

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019538.D
 Acq On : 02 Feb 2024 21:17
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 02 23:57:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	42182	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	158423	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	98605	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	228316	20.000	ng	0.00
76) Chrysene-d12	21.386	240	266080	20.000	ng	0.00
86) Perylene-d12	23.804	264	327732	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	539405	206.126	ng	0.00
7) Phenol-d6	7.081	99	687664	194.888	ng	0.00
23) Nitrobenzene-d5	9.081	82	429146	117.379	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	324095	225.112	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	946724	118.692	ng	0.00
79) Terphenyl-d14	19.869	244	1791281	110.713	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	13592	13.481	ng	97
3) Pyridine	3.787	79	29855	10.922	ng	92
4) n-Nitrosodimethylamine	3.711	42	14977	12.585	ng	# 94
6) Aniline	7.240	93	46469	13.553	ng	98
8) 2-Chlorophenol	7.469	128	31431	11.699	ng	100
9) Benzaldehyde	7.058	77	33264	13.446	ng	95
10) Phenol	7.105	94	40566	11.535	ng	92
11) bis(2-Chloroethyl)ether	7.346	93	31475	11.504	ng	95
12) 1,3-Dichlorobenzene	7.799	146	37819	11.504	ng	97
13) 1,4-Dichlorobenzene	7.946	146	37957	11.396	ng	100
14) 1,2-Dichlorobenzene	8.258	146	36526	11.334	ng	98
15) Benzyl Alcohol	8.158	79	32229	11.432	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.452	45	31071	11.356	ng	98
17) 2-Methylphenol	8.352	107	26308	11.111	ng	97
18) Hexachloroethane	8.981	117	14211	11.008	ng	95
19) n-Nitroso-di-n-propyla...	8.722	70	27119	11.252	ng	97
20) 3+4-Methylphenols	8.681	107	35330	10.934	ng	94
22) Acetophenone	8.740	105	51976	11.516	ng	# 97
24) Nitrobenzene	9.122	77	41953	11.397	ng	98
25) Isophorone	9.646	82	68133	10.701	ng	99
26) 2-Nitrophenol	9.828	139	14661	10.445	ng	91
27) 2,4-Dimethylphenol	9.887	122	23513	13.101	ng	99
28) bis(2-Chloroethoxy)met...	10.140	93	39706	11.022	ng	97
29) 2,4-Dichlorophenol	10.358	162	29366	10.824	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	37246	11.197	ng	100
31) Naphthalene	10.757	128	97167	11.183	ng	98
32) Benzoic acid	9.958	122	14087	8.056	ng	90
33) 4-Chloroaniline	10.881	127	38600	12.013	ng	97
34) Hexachlorobutadiene	11.034	225	28236	11.454	ng	96
35) Caprolactam	11.646	113	8239	10.727	ng	92
36) 4-Chloro-3-methylphenol	11.993	107	31363	10.602	ng	96
37) 2-Methylnaphthalene	12.369	142	64852	10.785	ng	94
38) 1-Methylnaphthalene	12.369	142	64852	10.975	ng	96
40) 1,2,4,5-Tetrachloroben...	12.728	216	45325	11.919	ng	98
41) Hexachlorocyclopentadiene	12.704	237	26165	15.231	ng	93
43) 2,4,6-Trichlorophenol	12.975	196	25253	10.967	ng	97

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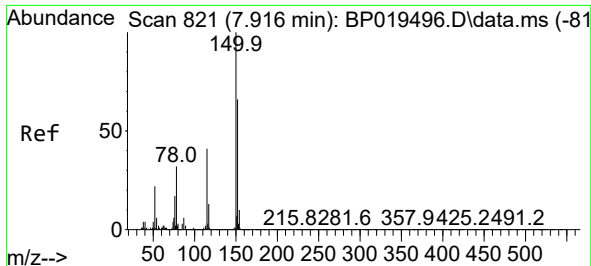
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	27087	10.712	ng	98
46) 1,1'-Biphenyl	13.381	154	91470	11.623	ng	97
47) 2-Chloronaphthalene	13.422	162	72093	11.159	ng	99
48) 2-Nitroaniline	13.634	65	18588	10.290	ng	94
49) Acenaphthylene	14.263	152	113161	12.485	ng	99
50) Dimethylphthalate	14.010	163	88675	11.747	ng	98
51) 2,6-Dinitrotoluene	14.134	165	17668	10.653	ng	96
52) Acenaphthene	14.604	154	63683	11.321	ng	99
53) 3-Nitroaniline	14.457	138	17361	11.391	ng	98
54) 2,4-Dinitrophenol	14.663	184	8322	9.664	ng	90
55) Dibenzofuran	14.940	168	108374	11.829	ng	98
56) 4-Nitrophenol	14.757	139	14128	11.309	ng	95
57) 2,4-Dinitrotoluene	14.916	165	22535	10.369	ng	# 99
58) Fluorene	15.593	166	86711	11.883	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.163	232	23771	11.177	ng	97
60) Diethylphthalate	15.375	149	86106	11.468	ng	98
61) 4-Chlorophenyl-phenyle...	15.593	204	47726	11.636	ng	99
62) 4-Nitroaniline	15.616	138	18894	11.827	ng	93
63) Azobenzene	15.887	77	83287	11.471	ng	97
65) 4,6-Dinitro-2-methylph...	15.669	198	11514	8.844	ng	96
66) n-Nitrosodiphenylamine	15.810	169	74597	10.909	ng	98
67) 4-Bromophenyl-phenylether	16.492	248	28833	10.102	ng	98
68) Hexachlorobenzene	16.587	284	35395	10.619	ng	96
69) Atrazine	16.769	200	30346	13.374	ng	93
70) Pentachlorophenol	16.939	266	20160	9.713	ng	98
71) Phenanthrene	17.339	178	143338	11.929	ng	98
72) Anthracene	17.434	178	140857	11.752	ng	98
73) Carbazole	17.704	167	127202	11.682	ng	99
74) Di-n-butylphthalate	18.269	149	148347	11.268	ng	98
75) Fluoranthene	19.304	202	178572	12.166	ng	99
77) Benzidine	19.498	184	85003	15.280	ng	100
78) Pyrene	19.657	202	187868	10.004	ng	99
80) Butylbenzylphthalate	20.551	149	69132	9.858	ng	100
81) Benzo(a)anthracene	21.375	228	216108	11.538	ng	98
82) 3,3'-Dichlorobenzidine	21.310	252	83232	12.195	ng	95
83) Chrysene	21.422	228	201470	11.330	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	111416	10.433	ng	99
85) Di-n-octyl phthalate	22.263	149	189365	10.079	ng	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	276979	11.041	ng	100
88) Benzo(b)fluoranthene	23.063	252	226757	10.978	ng	98
89) Benzo(k)fluoranthene	23.116	252	222945	11.299	ng	99
90) Benzo(a)pyrene	23.692	252	201339	10.955	ng	98
91) Dibenzo(a,h)anthracene	26.351	278	230968	11.194	ng	98
92) Benzo(g,h,i)perylene	27.092	276	222985	10.653	ng	99

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

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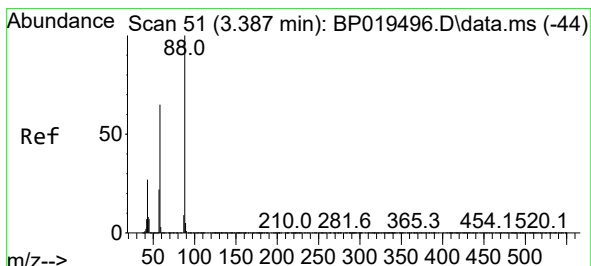
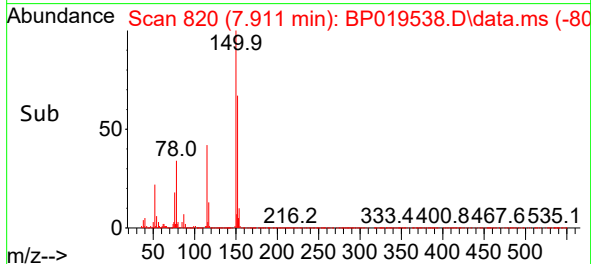
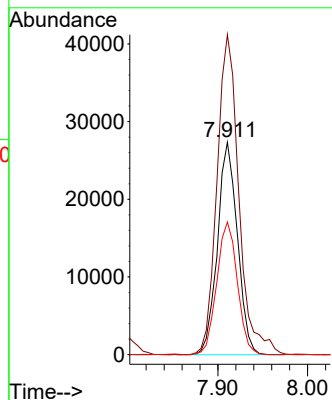
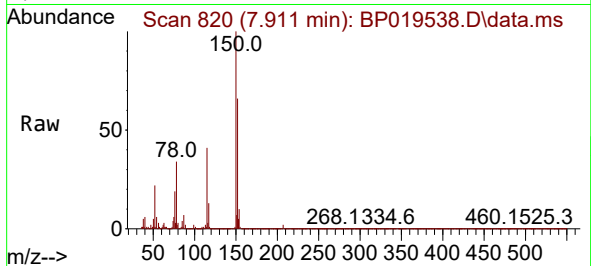




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.911 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP019538.D
 Acq: 02 Feb 2024 21:17

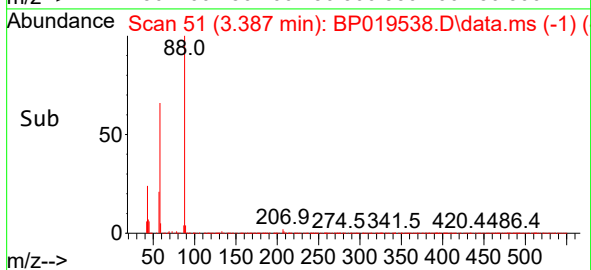
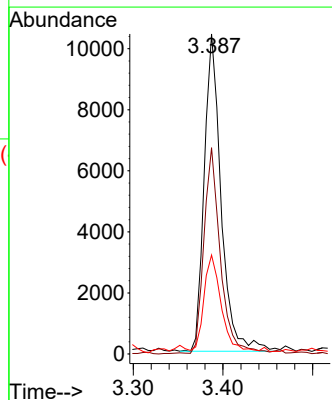
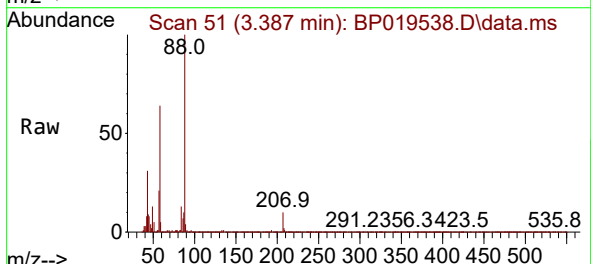
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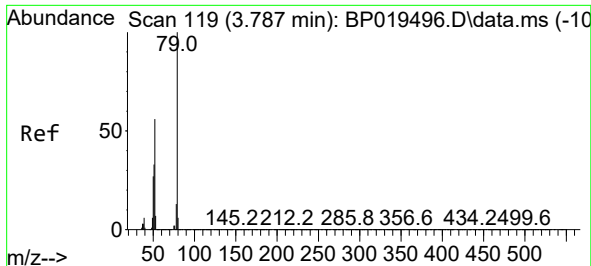
Tgt Ion:152 Resp: 42182
 Ion Ratio Lower Upper
 152 100
 150 150.6 121.8 182.8
 115 62.5 49.9 74.9



#2
 1,4-Dioxane
 Concen: 13.481 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BP019538.D
 Acq: 02 Feb 2024 21:17

Tgt Ion: 88 Resp: 13592
 Ion Ratio Lower Upper
 88 100
 58 63.9 52.6 78.8
 43 29.6 21.9 32.9

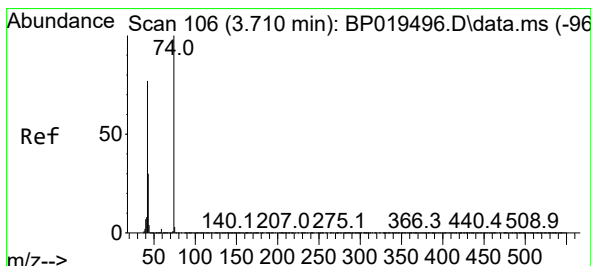
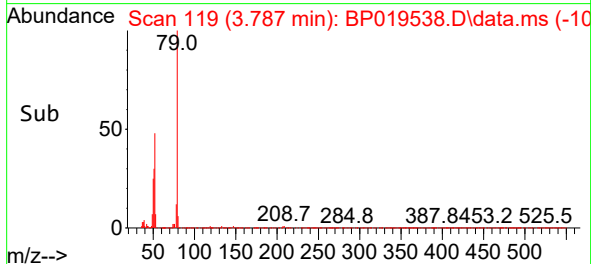
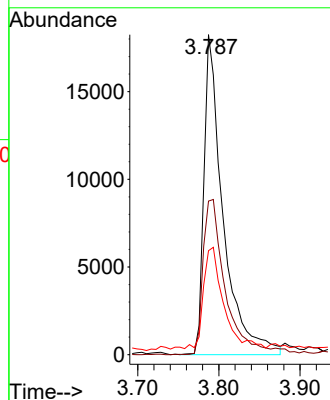
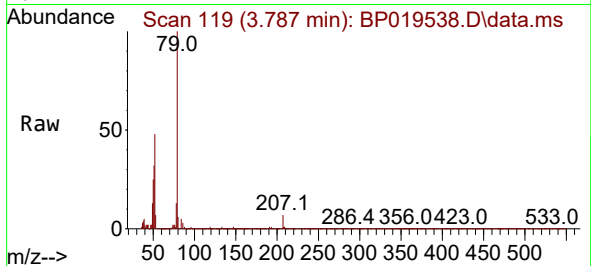




#3
Pyridine
Concen: 10.922 ng
RT: 3.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

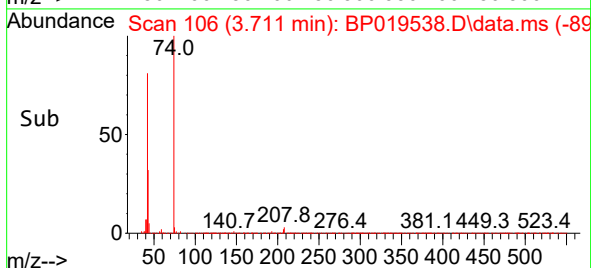
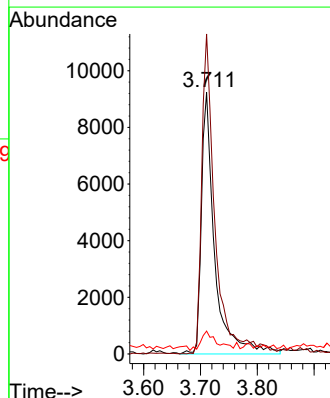
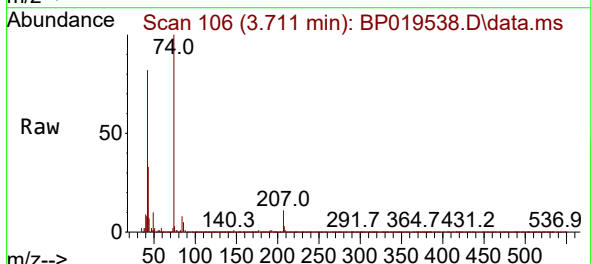
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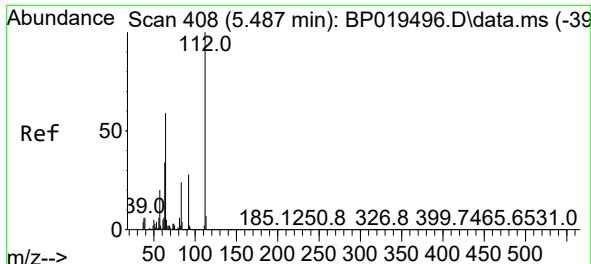
Tgt Ion: 79 Resp: 29855
Ion Ratio Lower Upper
79 100
52 48.0 45.0 67.6
51 32.5 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 12.585 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 42 Resp: 14977
Ion Ratio Lower Upper
42 100
74 122.3 103.4 155.2
44 8.7 4.8 7.2#

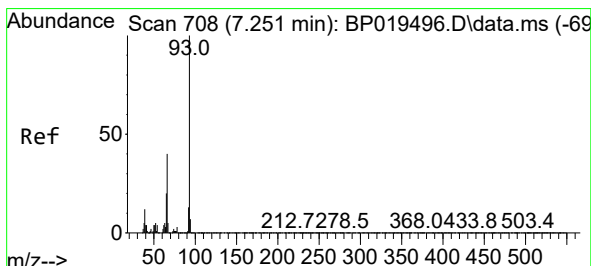
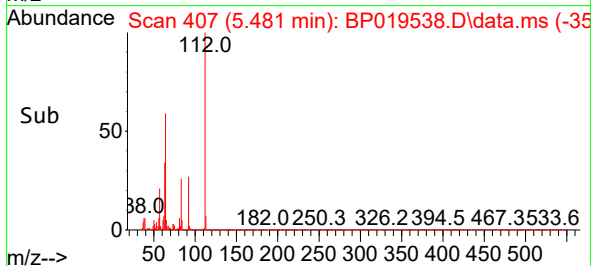
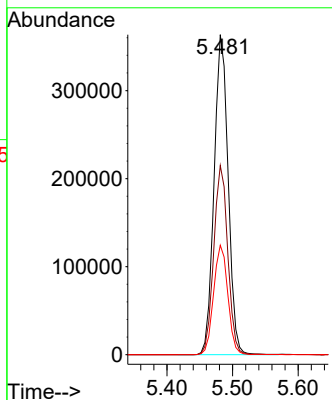
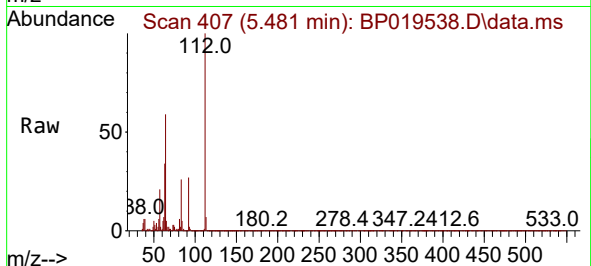




#5
2-Fluorophenol
Concen: 206.126 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

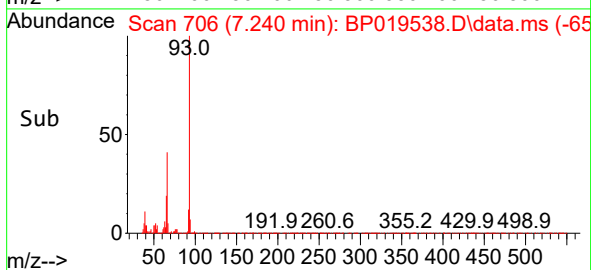
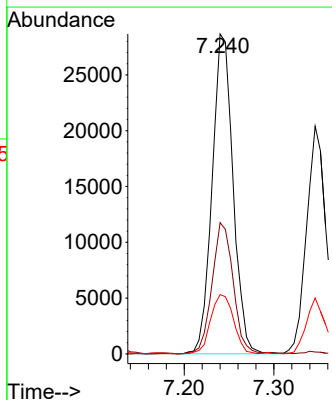
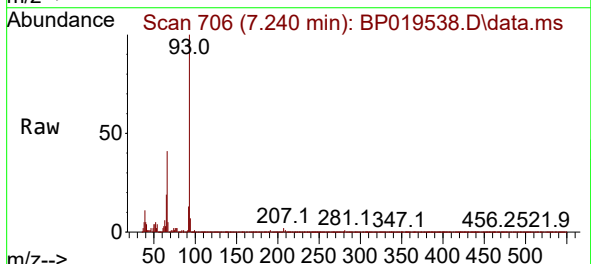
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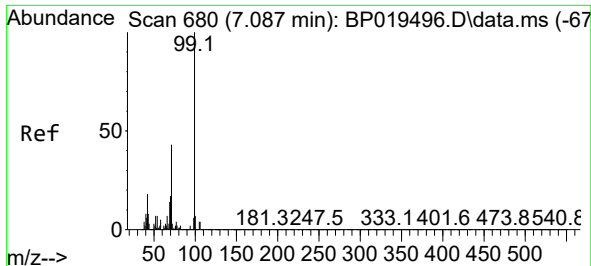
Tgt Ion:112 Resp: 539405
Ion Ratio Lower Upper
112 100
64 59.1 47.4 71.0
63 34.2 27.0 40.6



#6
Aniline
Concen: 13.553 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 93 Resp: 46469
Ion Ratio Lower Upper
93 100
66 41.0 32.3 48.5
65 18.6 16.4 24.6

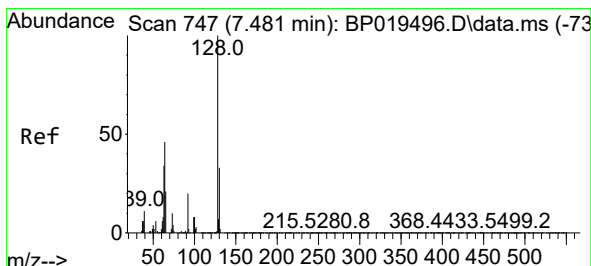
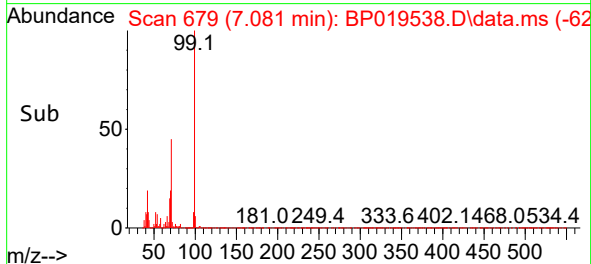
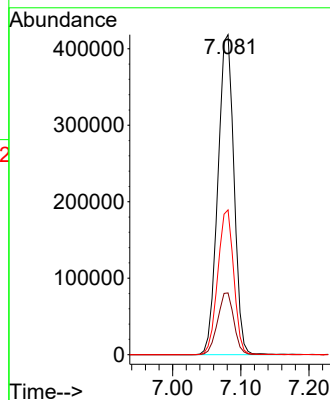
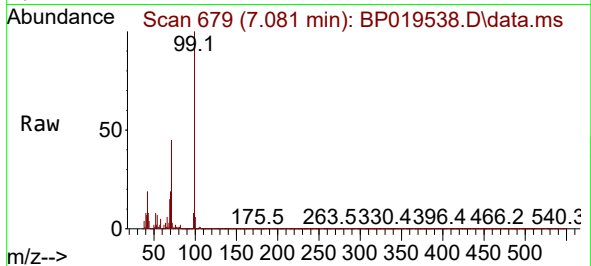




#7
Phenol-d6
Concen: 194.888 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

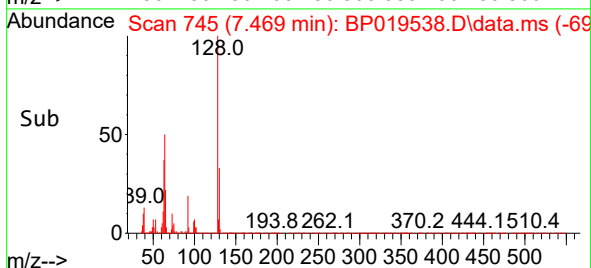
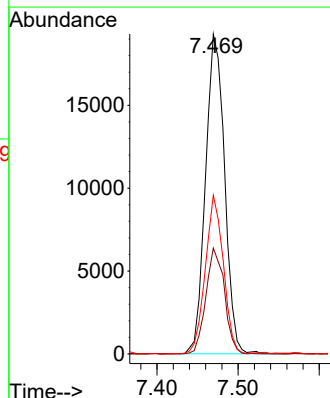
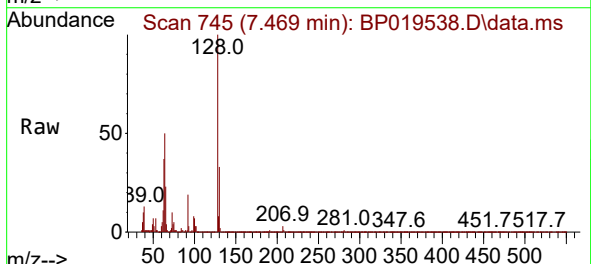
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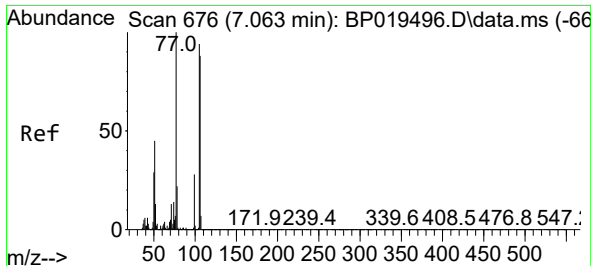
Tgt Ion: 99 Resp: 687664
Ion Ratio Lower Upper
99 100
42 19.3 14.7 22.1
71 45.3 34.8 52.2



#8
2-Chlorophenol
Concen: 11.699 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 128 Resp: 31431
Ion Ratio Lower Upper
128 100
130 33.1 13.3 53.3
64 49.6 29.7 69.7

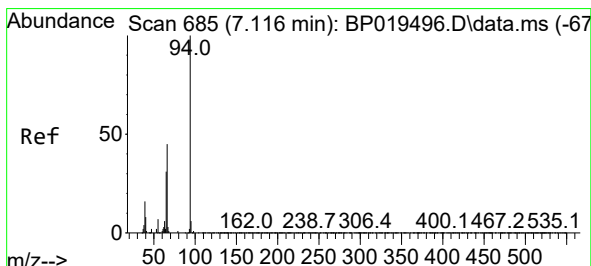
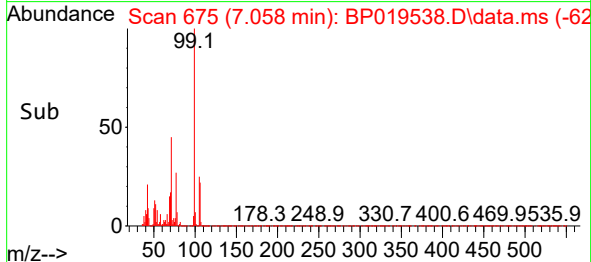
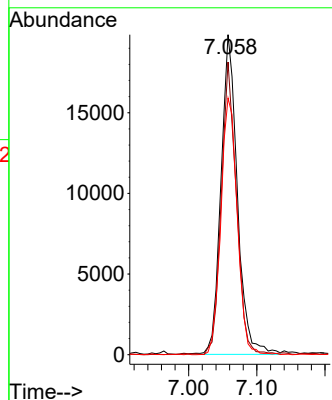
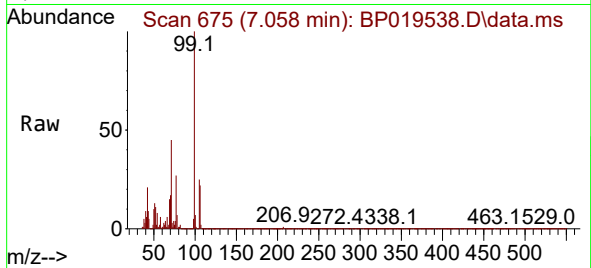




#9
Benzaldehyde
Concen: 13.446 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

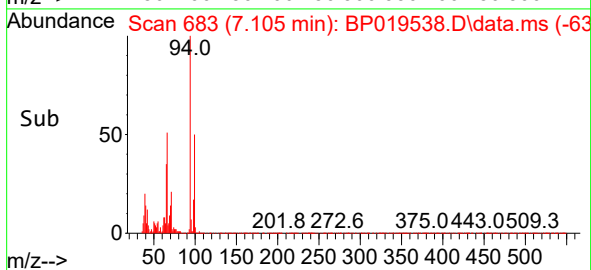
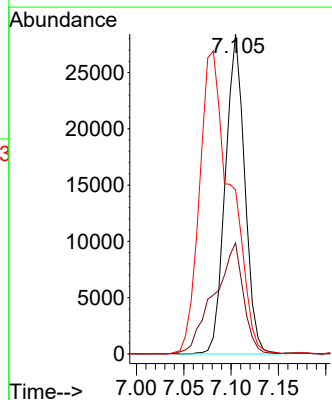
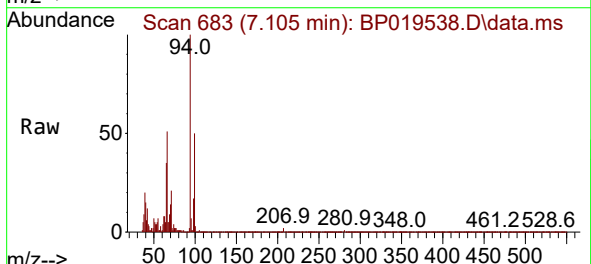
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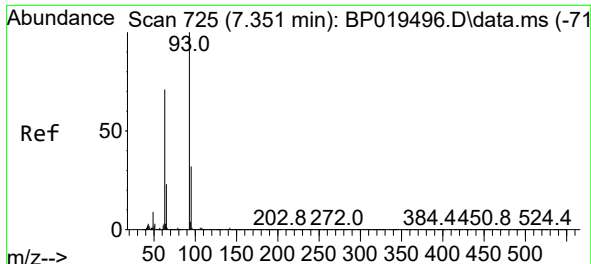
Tgt Ion: 77 Resp: 33264
Ion Ratio Lower Upper
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105 91.5 74.0 114.0
106 80.2 67.8 107.8



#10
Phenol
Concen: 11.535 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 94 Resp: 40566
Ion Ratio Lower Upper
94 100
65 34.7 11.3 51.3
66 51.2 25.1 65.1

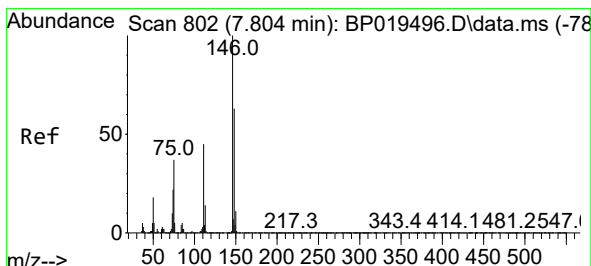
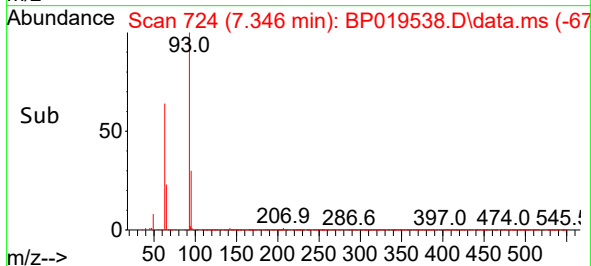
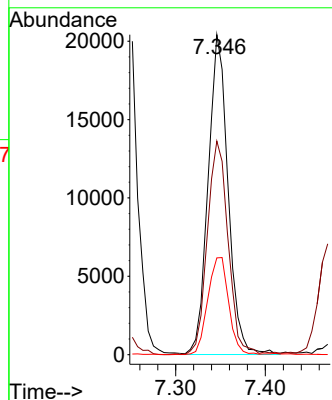
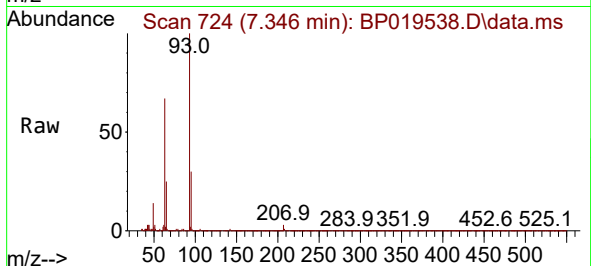




#11
bis(2-Chloroethyl)ether
Concen: 11.504 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

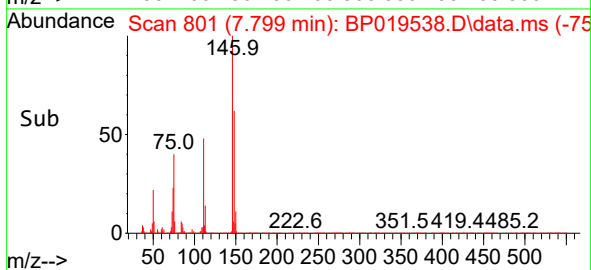
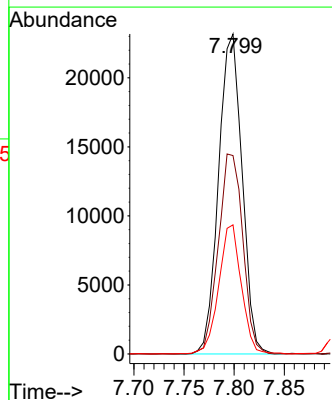
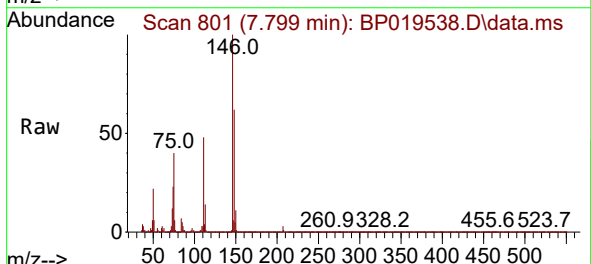
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

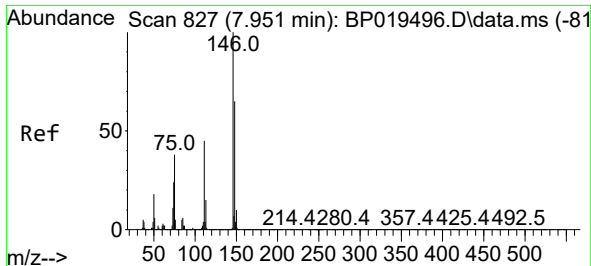
Tgt Ion: 93 Resp: 31475
Ion Ratio Lower Upper
93 100
63 66.8 51.2 91.2
95 30.3 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 11.504 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 146 Resp: 37819
Ion Ratio Lower Upper
146 100
148 62.0 50.4 75.6
75 40.3 29.9 44.9

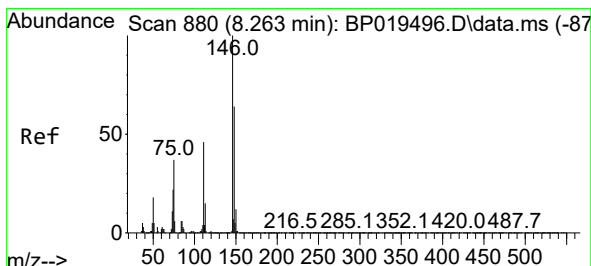
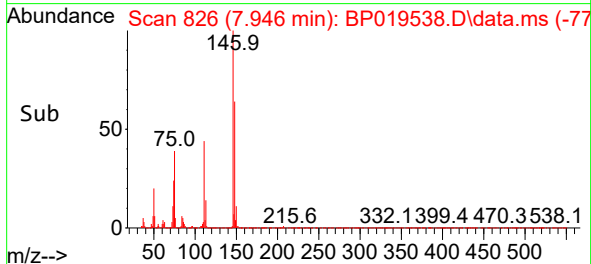
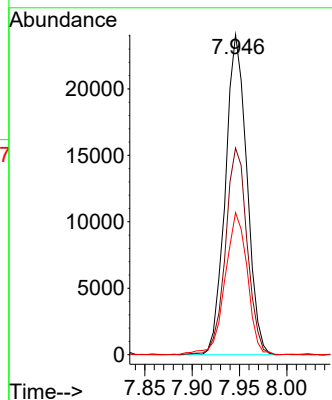
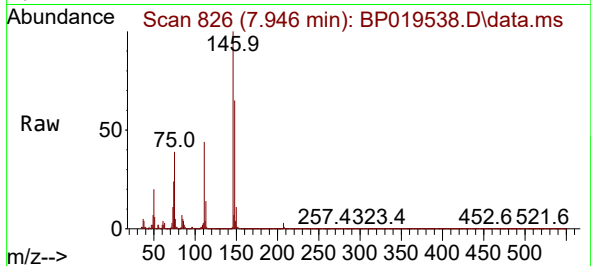




#13
1,4-Dichlorobenzene
Concen: 11.396 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

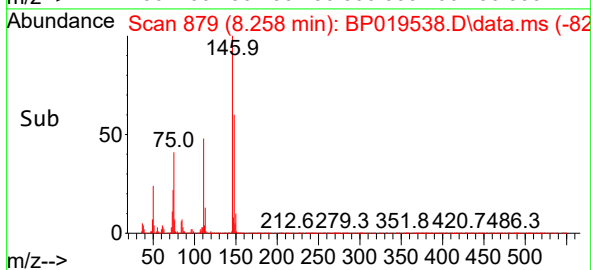
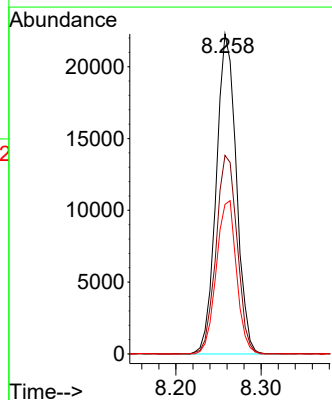
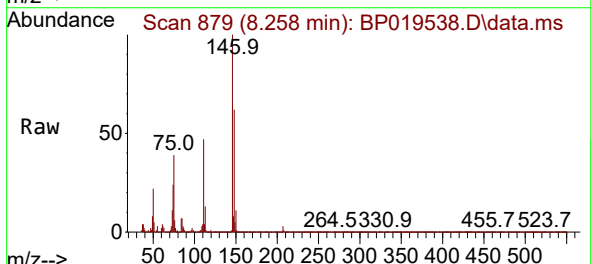
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

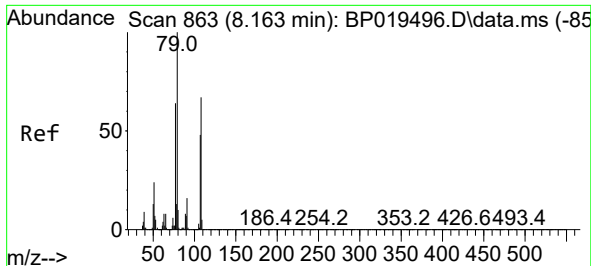
Tgt Ion:146 Resp: 37957
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
111 44.4 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 11.334 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:146 Resp: 36526
Ion Ratio Lower Upper
146 100
148 62.0 51.4 77.0
111 46.8 37.0 55.6

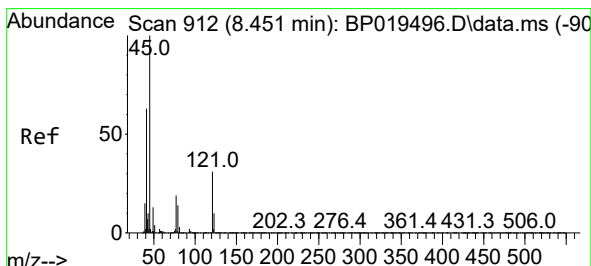
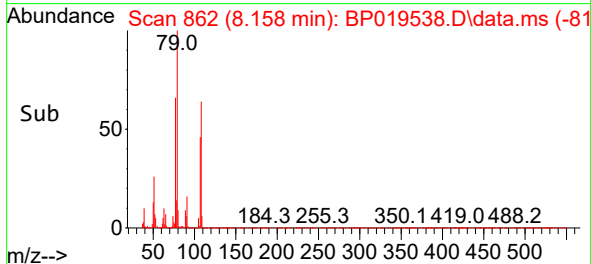
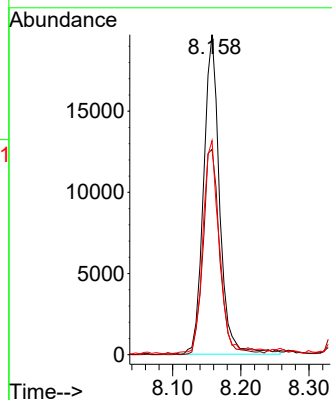
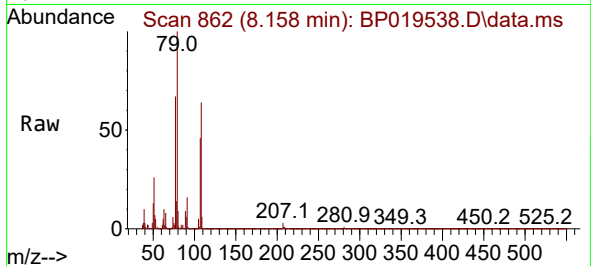




#15
Benzyl Alcohol
Concen: 11.432 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

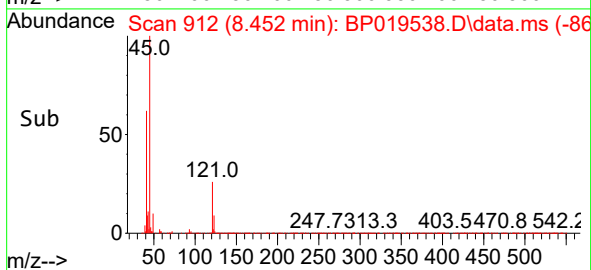
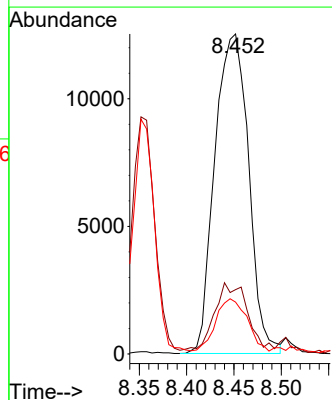
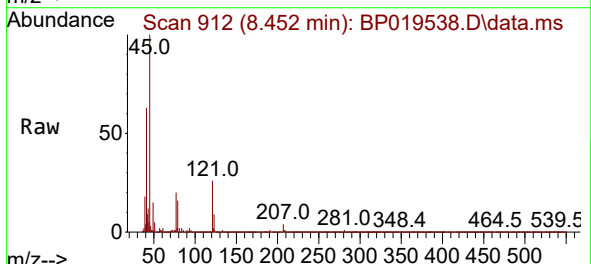
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

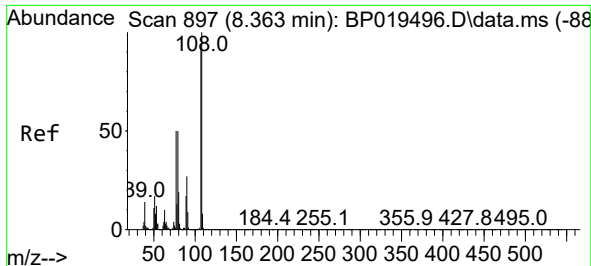
Tgt Ion: 79 Resp: 32229
Ion Ratio Lower Upper
79 100
108 64.1 53.8 80.6
77 66.9 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.356 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 45 Resp: 31071
Ion Ratio Lower Upper
45 100
77 20.1 0.8 40.8
79 16.2 0.0 35.5

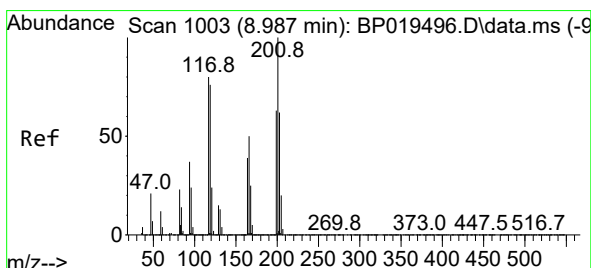
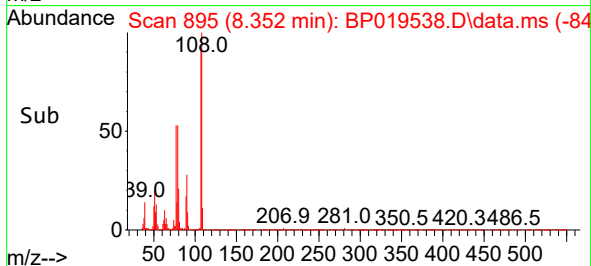
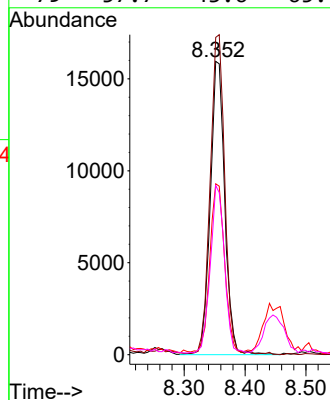
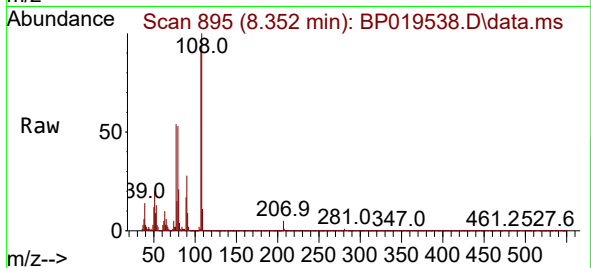




#17
2-Methylphenol
Concen: 11.111 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

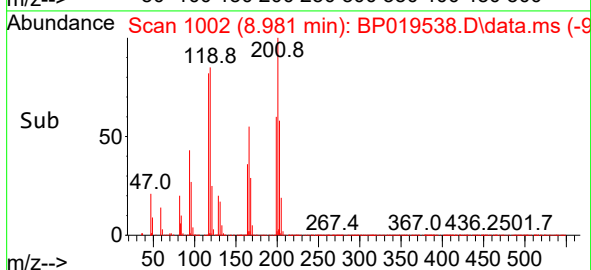
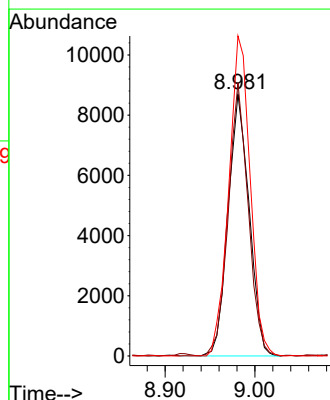
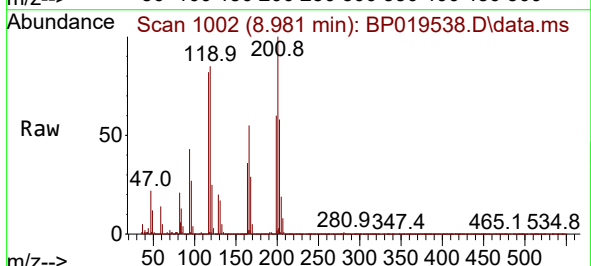
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

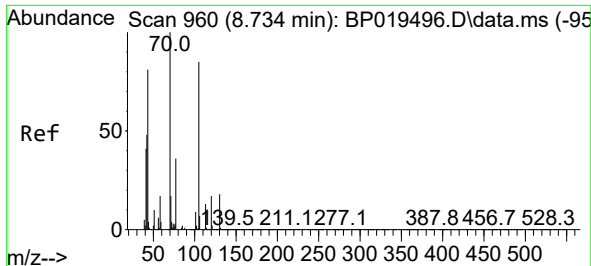
Tgt Ion:	107	Resp:	26308
Ion	Ratio	Lower	Upper
107	100		
108	108.2	87.0	130.6
77	58.3	43.5	65.3
79	57.7	43.6	65.4



#18
Hexachloroethane
Concen: 11.008 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:	117	Resp:	14211
Ion	Ratio	Lower	Upper
117	100		
119	104.4	75.5	113.3
201	122.3	99.4	149.2

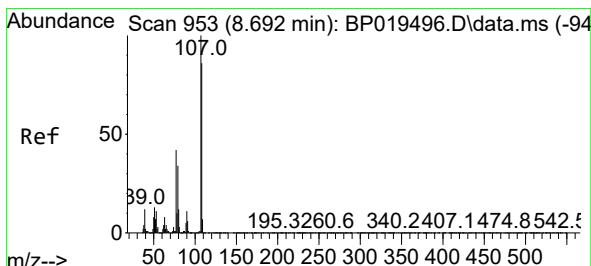
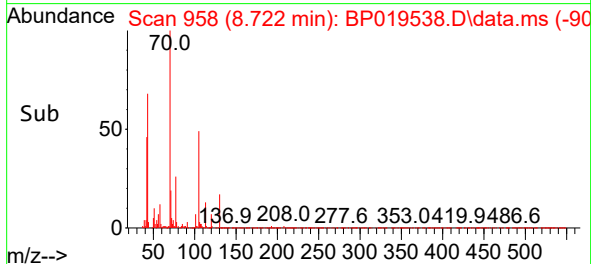
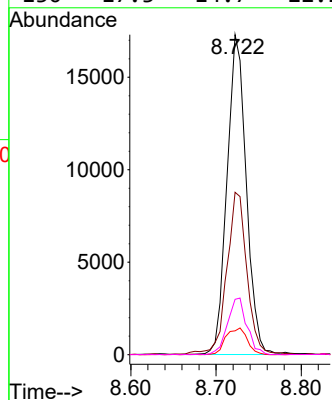
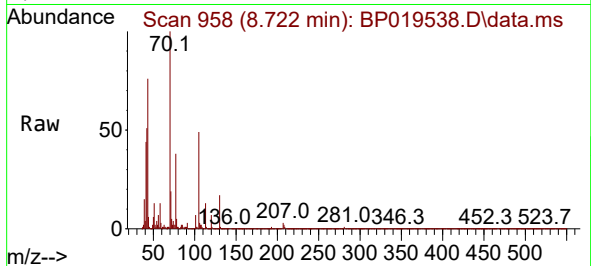




#19
n-Nitroso-di-n-propylamine
Concen: 11.252 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

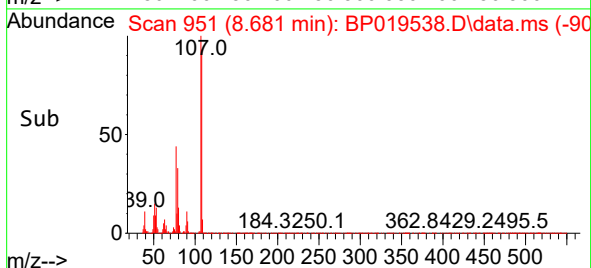
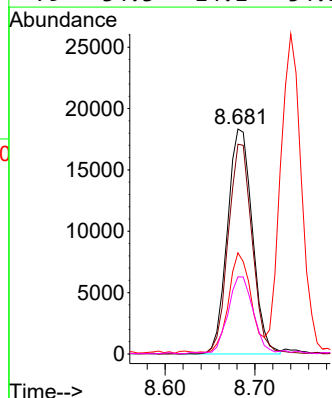
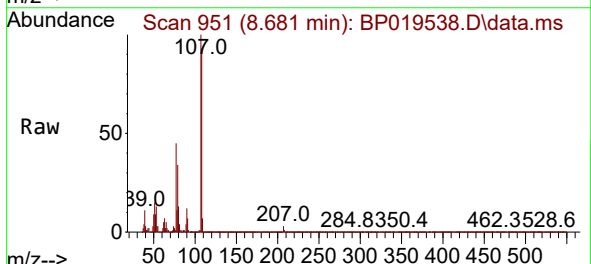
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

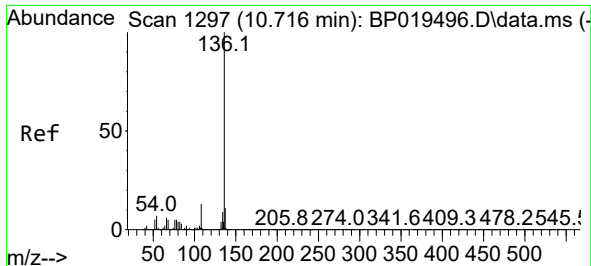
Tgt Ion:	70	Resp:	27119
Ion	Ratio	Lower	Upper
70	100		
42	50.8	39.2	58.8
101	7.4	7.3	10.9
130	17.3	14.7	22.1



#20
3+4-Methylphenols
Concen: 10.934 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:	107	Resp:	35330
Ion	Ratio	Lower	Upper
107	100		
108	93.2	65.5	105.5
77	44.9	21.8	61.8
79	34.3	14.1	54.1

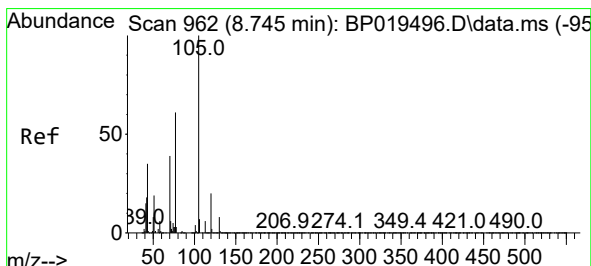
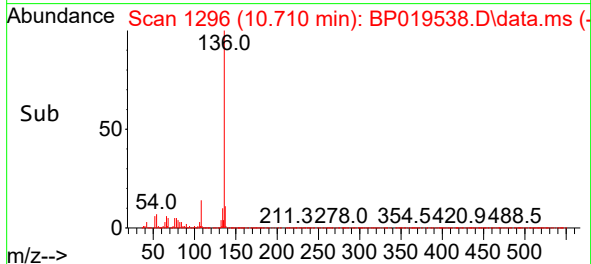
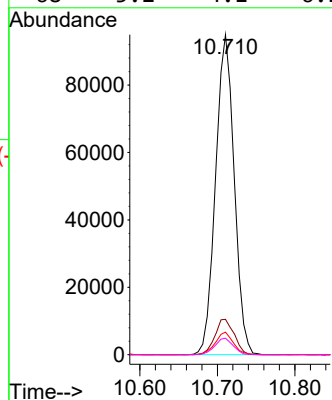
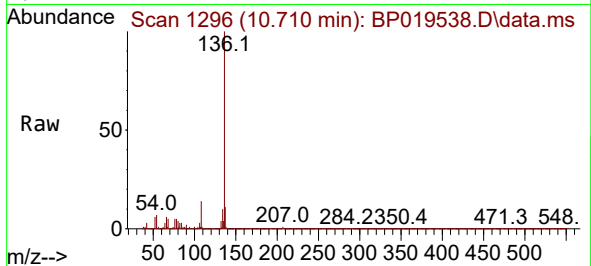




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

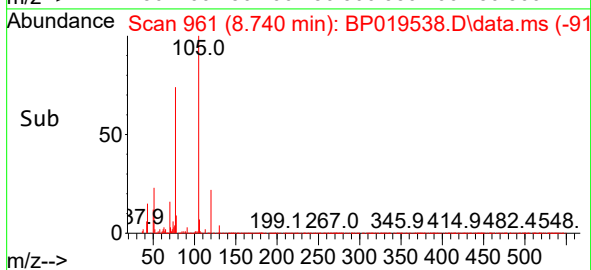
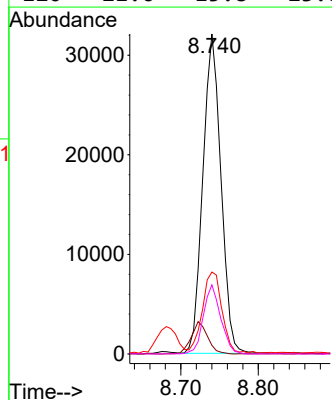
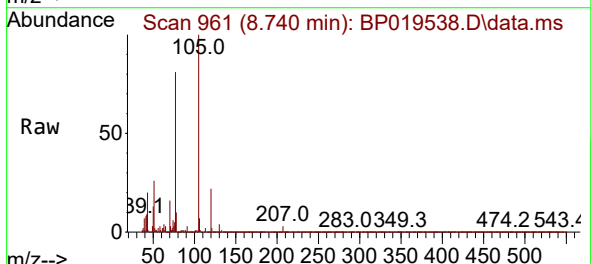
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

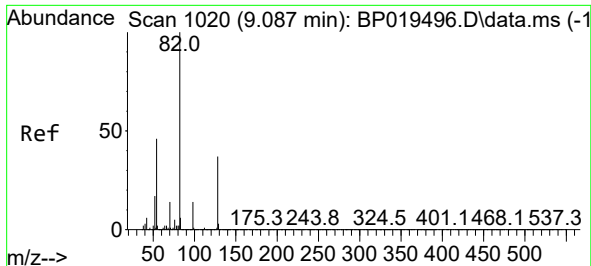
Tgt Ion:	136	Resp:	158423
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.0	5.3	7.9
68	5.2	4.1	6.1



#22
Acetophenone
Concen: 11.516 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:	105	Resp:	51976
Ion Ratio	Lower	Upper	
105	100		
71	2.7	4.9	7.3
51	25.6	20.7	31.1
120	21.6	15.8	23.8





#23

Nitrobenzene-d5

Concen: 117.379 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

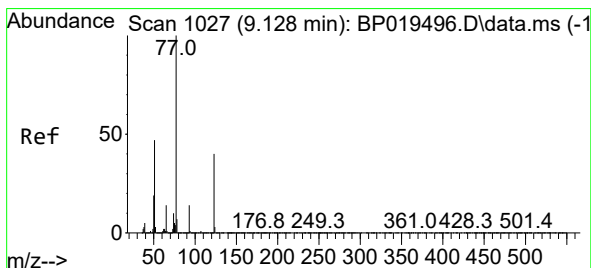
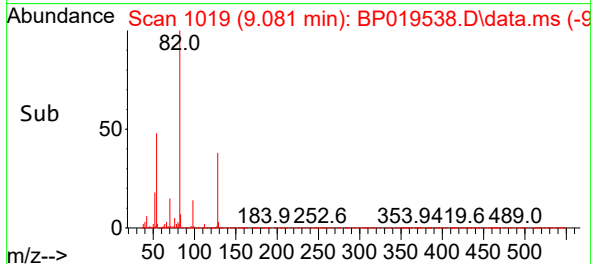
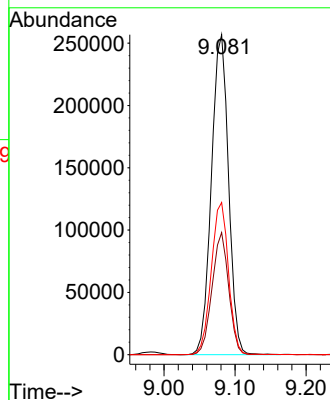
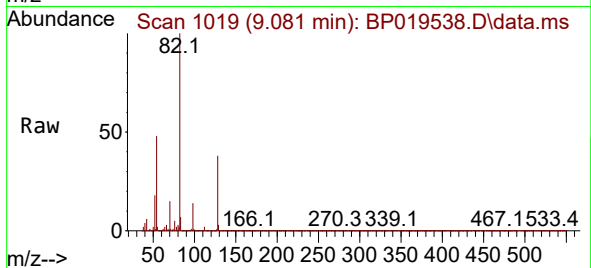
Tgt Ion: 82 Resp: 429146

Ion Ratio Lower Upper

82 100

128 38.2 29.7 44.5

54 47.6 36.8 55.2



#24

Nitrobenzene

Concen: 11.397 ng

RT: 9.122 min Scan# 1026

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

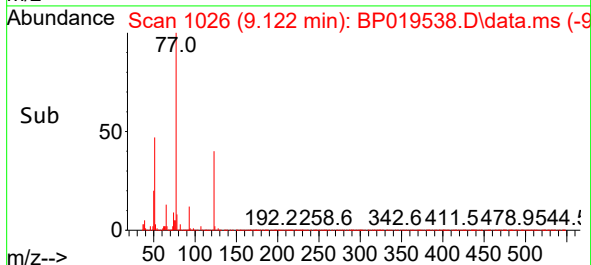
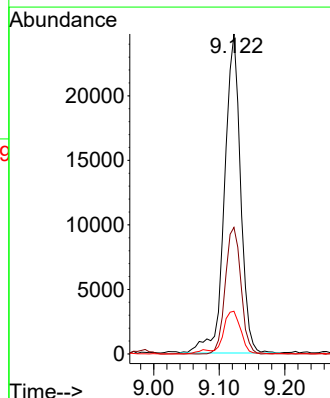
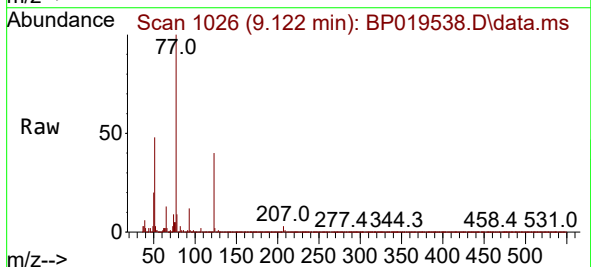
Tgt Ion: 77 Resp: 41953

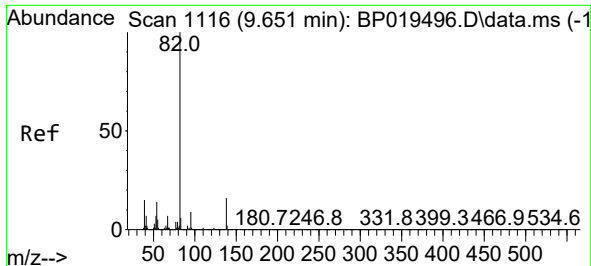
Ion Ratio Lower Upper

77 100

123 39.6 32.3 48.5

65 13.3 11.6 17.4

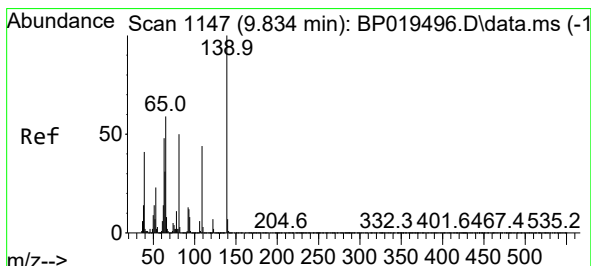
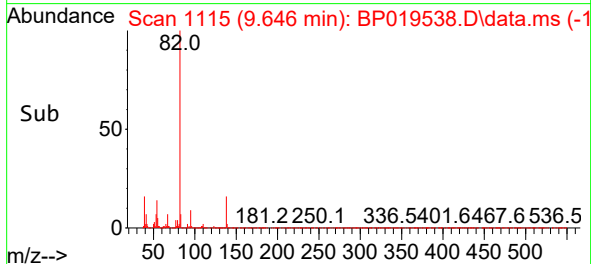
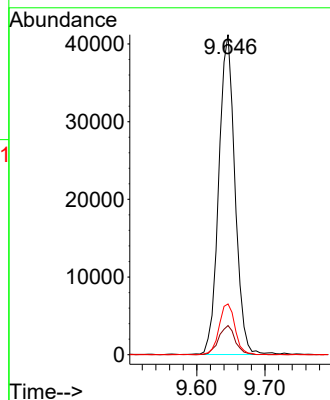
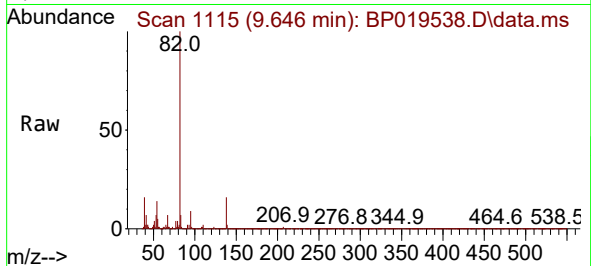




#25
Isophorone
Concen: 10.701 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

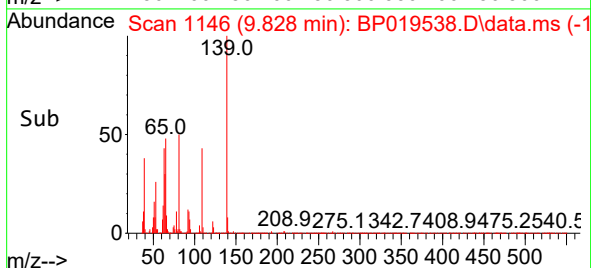
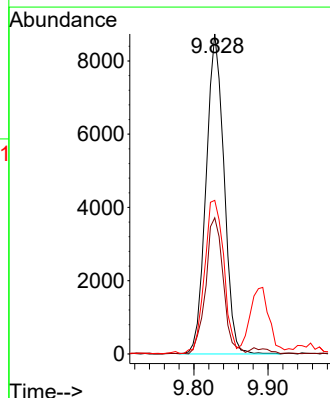
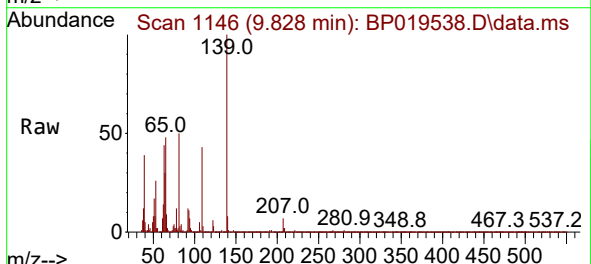
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

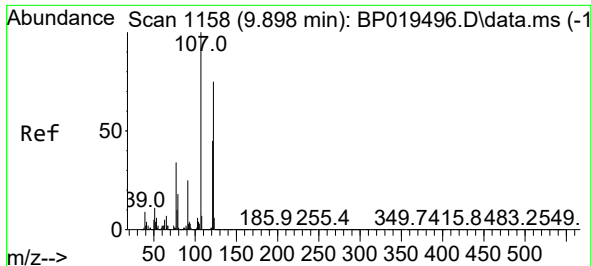
Tgt Ion: 82 Resp: 68133
Ion Ratio Lower Upper
82 100
95 9.1 7.0 10.4
138 15.9 13.1 19.7



#26
2-Nitrophenol
Concen: 10.445 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 139 Resp: 14661
Ion Ratio Lower Upper
139 100
109 42.5 34.9 52.3
65 48.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 13.101 ng

RT: 9.887 min Scan# 1158

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

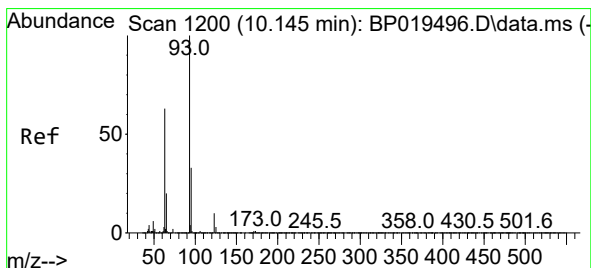
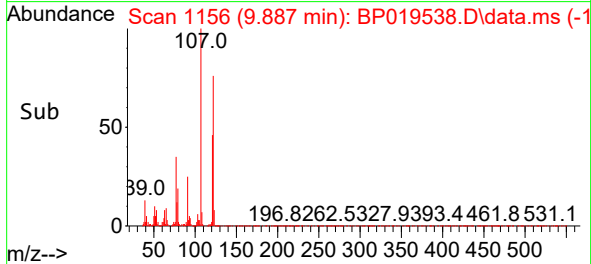
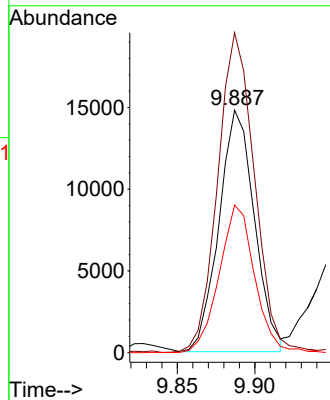
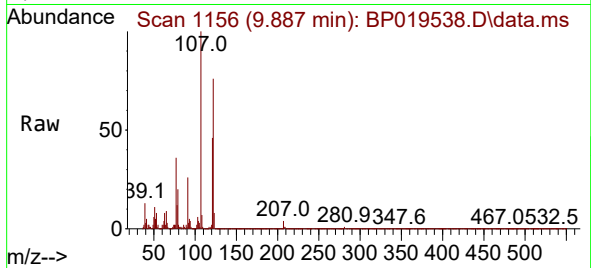
Tgt Ion:122 Resp: 23513

Ion Ratio Lower Upper

122 100

107 131.9 105.9 158.9

121 60.9 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 11.022 ng

RT: 10.140 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

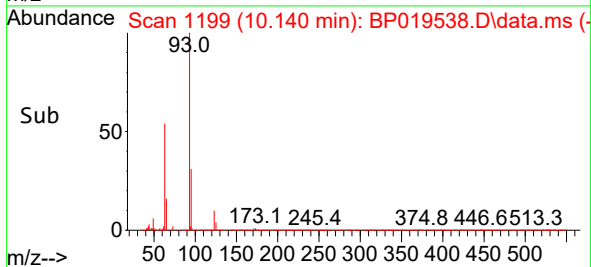
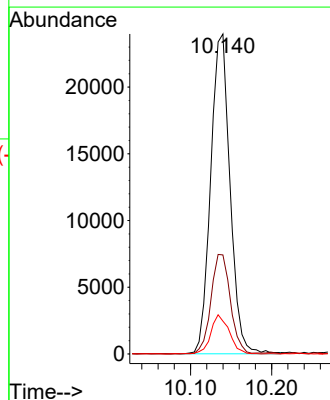
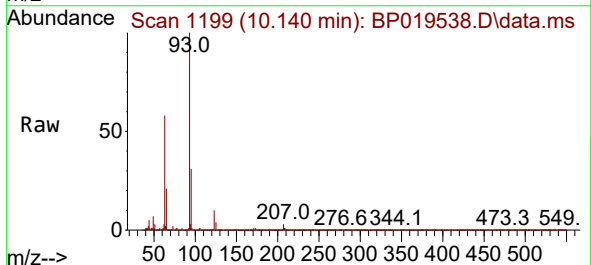
Tgt Ion: 93 Resp: 39706

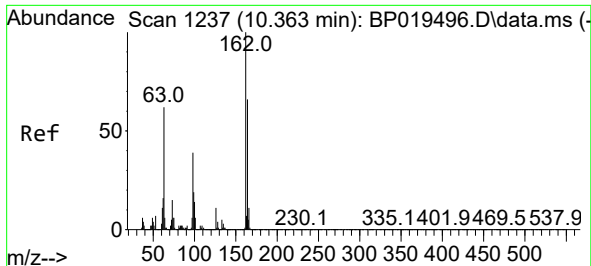
Ion Ratio Lower Upper

93 100

95 31.0 26.2 39.4

123 10.2 8.5 12.7

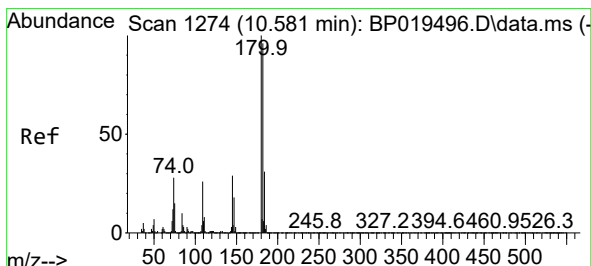
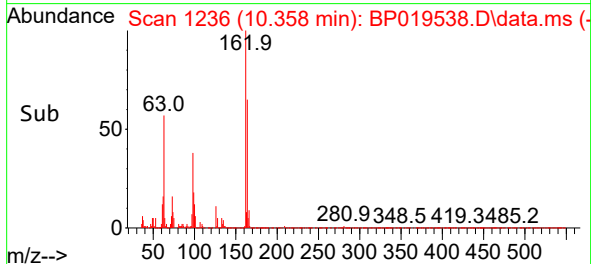
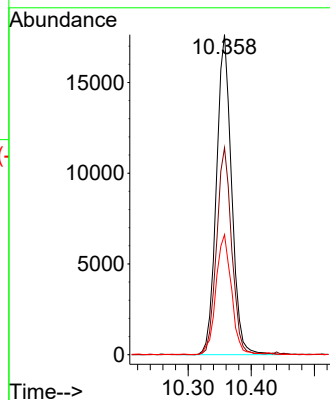
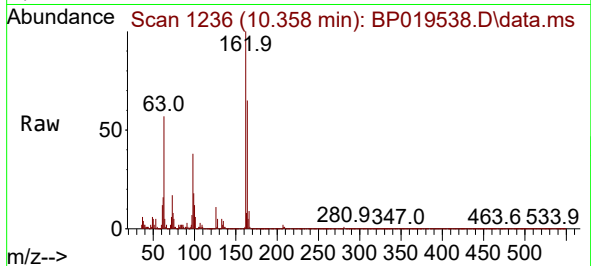




#29
2,4-Dichlorophenol
Concen: 10.824 ng
RT: 10.358 min Scan# 1236
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

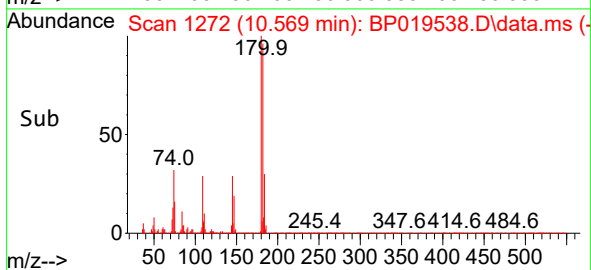
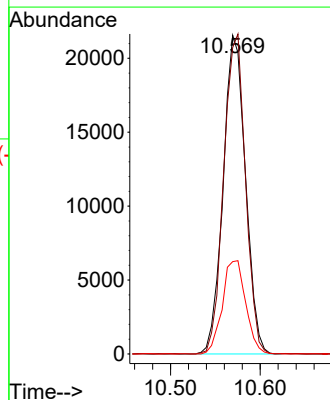
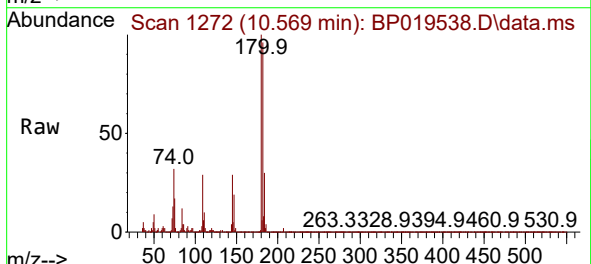
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

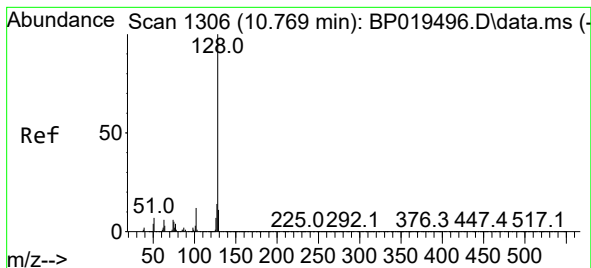
Tgt Ion:162 Resp: 29366
Ion Ratio Lower Upper
162 100
164 64.6 46.0 86.0
98 37.5 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 11.197 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:180 Resp: 37246
Ion Ratio Lower Upper
180 100
182 96.1 77.0 115.6
145 29.0 23.2 34.8





#31

Naphthalene

Concen: 11.183 ng

RT: 10.757 min Scan# 1167

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

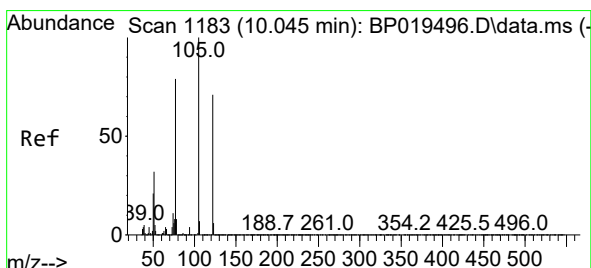
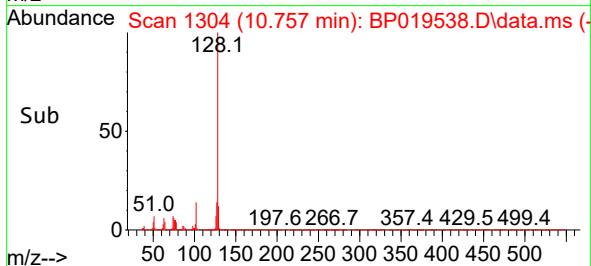
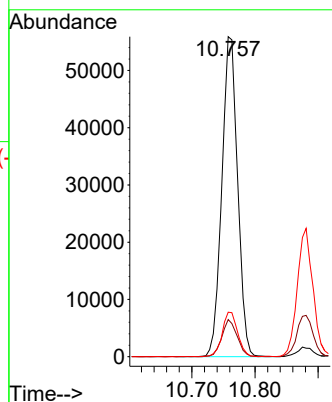
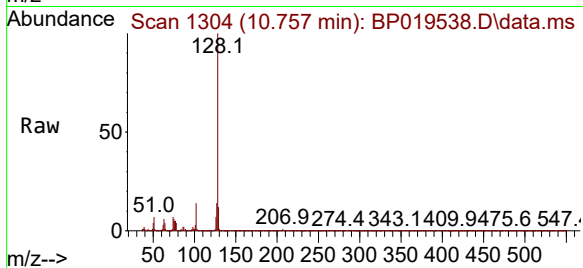
Tgt Ion:128 Resp: 97167

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

127 13.9 10.8 16.2



#32

Benzoic acid

Concen: 8.056 ng

RT: 9.958 min Scan# 1168

Delta R.T. -0.088 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

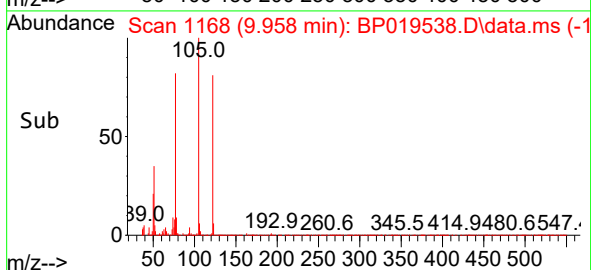
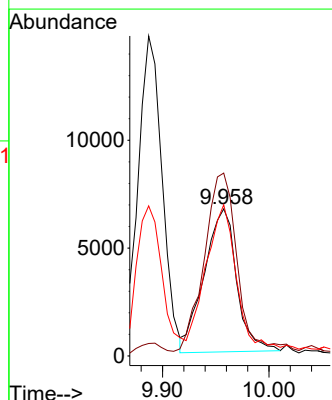
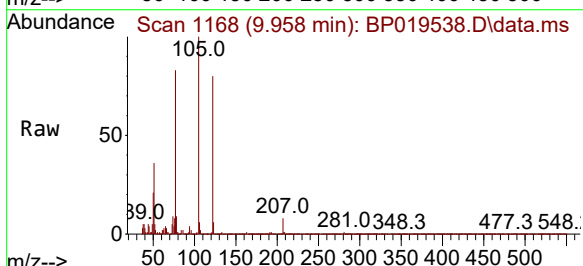
Tgt Ion:122 Resp: 14087

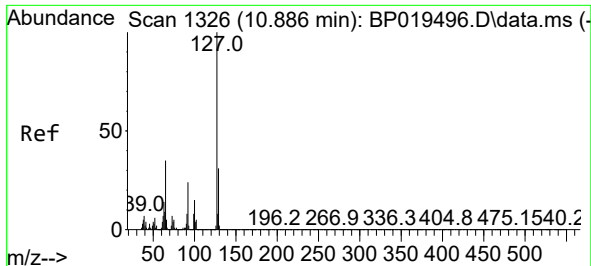
Ion Ratio Lower Upper

122 100

105 124.3 118.8 158.8

77 102.8 91.7 131.7

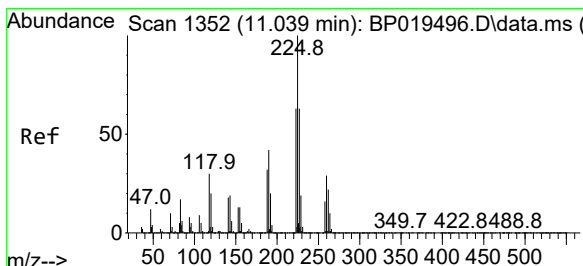
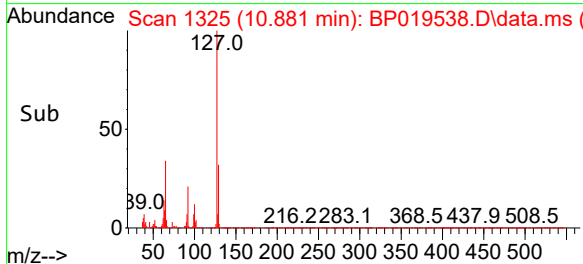
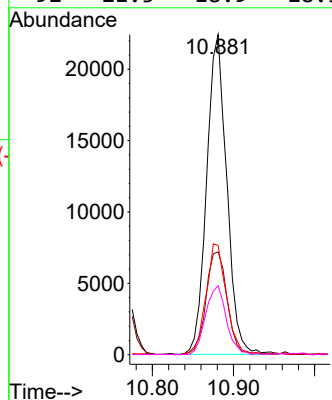
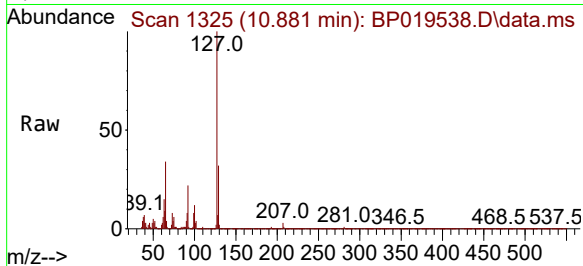




#33
4-Chloroaniline
Concen: 12.013 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

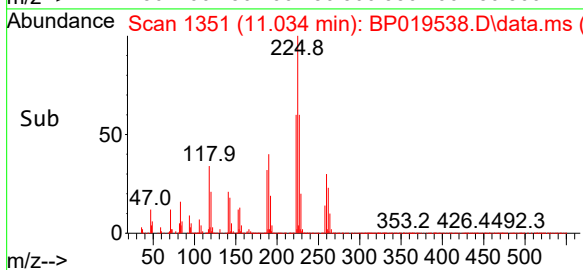
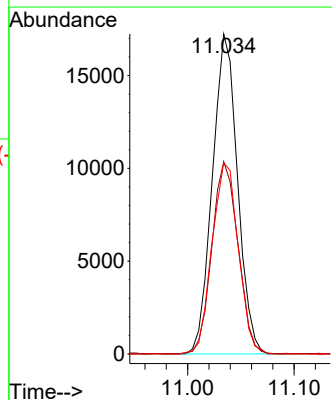
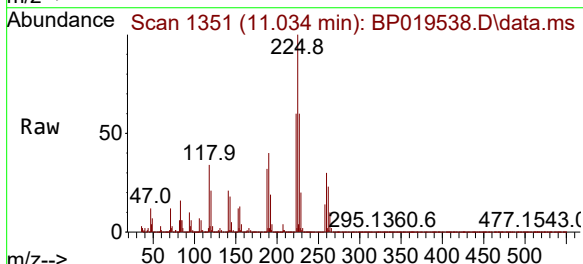
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

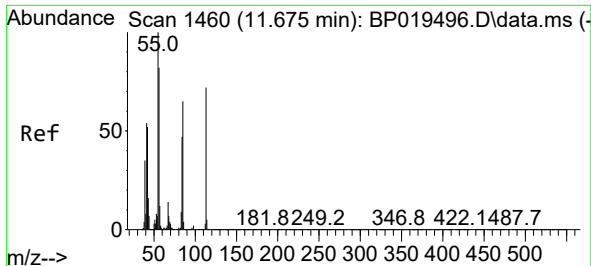
Tgt Ion:	127	Resp:	38600
Ion	Ratio	Lower	Upper
127	100		
129	32.1	24.6	36.8
65	34.2	28.2	42.4
92	21.5	18.9	28.3



#34
Hexachlorobutadiene
Concen: 11.454 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:	225	Resp:	28236
Ion	Ratio	Lower	Upper
225	100		
223	60.1	50.5	75.7
227	59.7	50.2	75.2

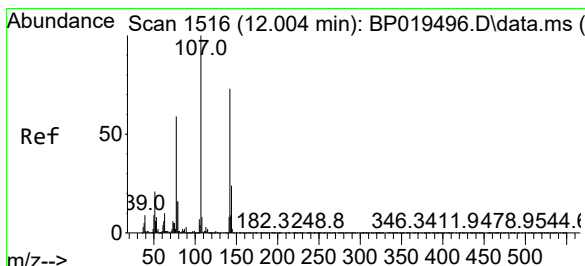
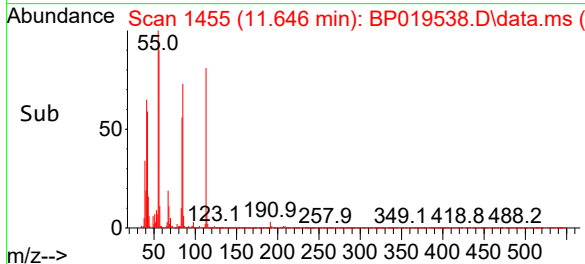
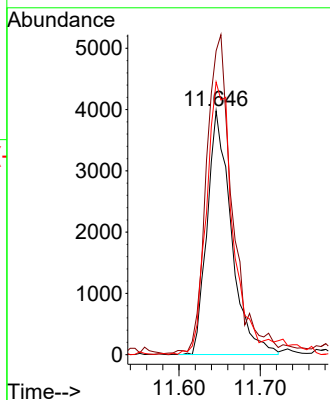
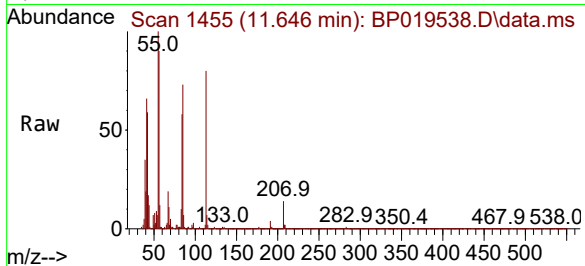




#35
Caprolactam
Concen: 10.727 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

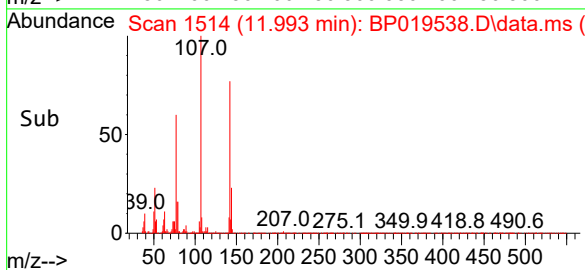
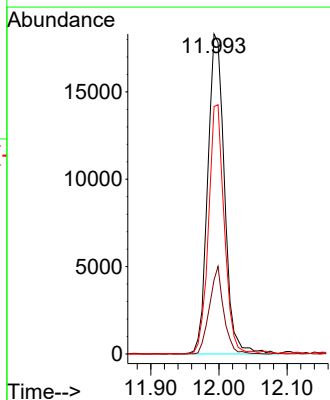
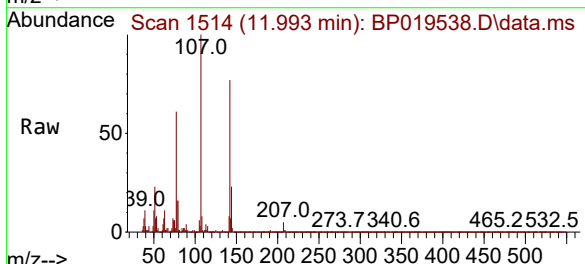
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

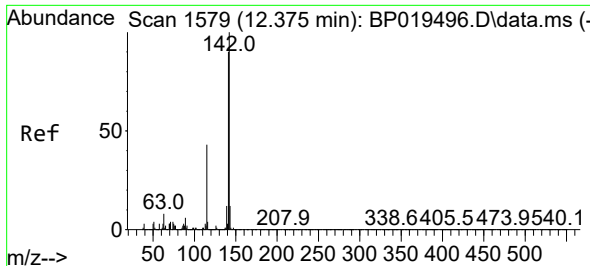
Tgt Ion:113 Resp: 8239
Ion Ratio Lower Upper
113 100
55 124.5 120.0 160.0
56 111.8 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 10.602 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:107 Resp: 31363
Ion Ratio Lower Upper
107 100
144 23.1 19.0 28.4
142 77.3 58.6 88.0

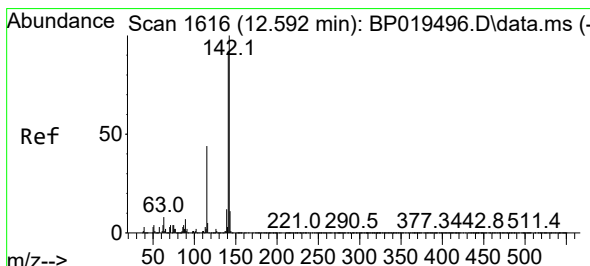
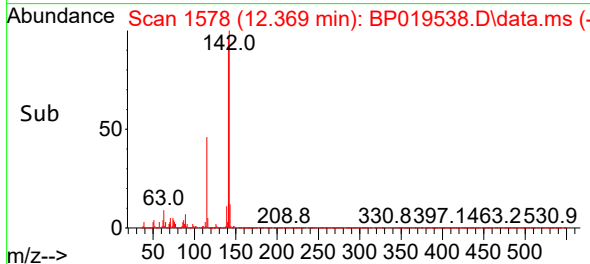
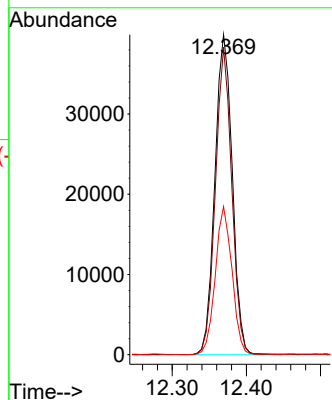
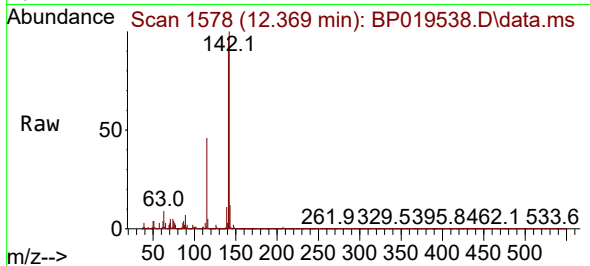




#37
2-Methylnaphthalene
Concen: 10.785 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

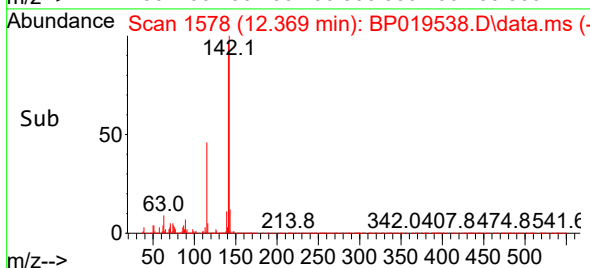
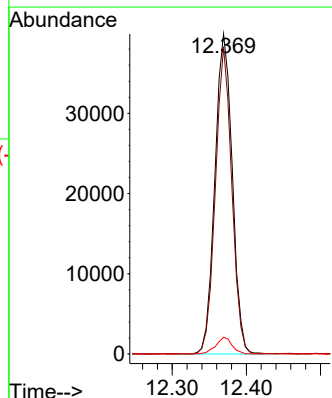
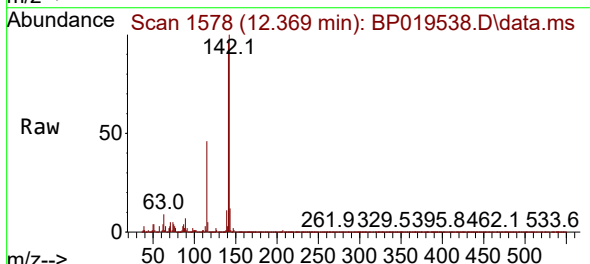
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

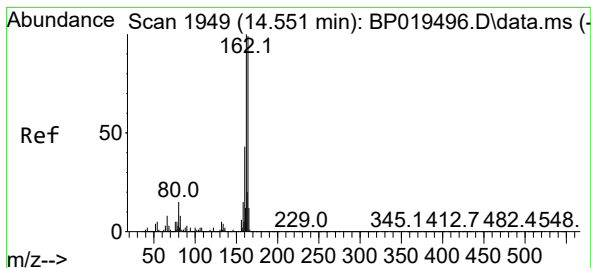
Tgt Ion:142 Resp: 64852
Ion Ratio Lower Upper
142 100
141 96.0 72.2 108.4
115 46.2 34.2 51.2



#38
1-Methylnaphthalene
Concen: 10.975 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.223 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:142 Resp: 64852
Ion Ratio Lower Upper
142 100
141 96.0 74.0 111.0
116 5.2 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

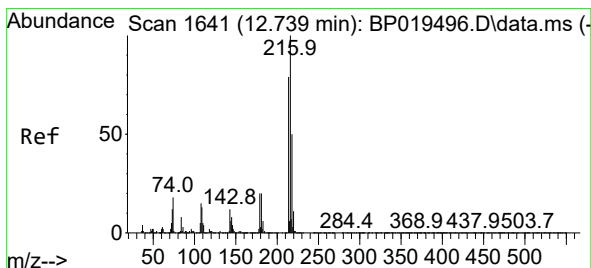
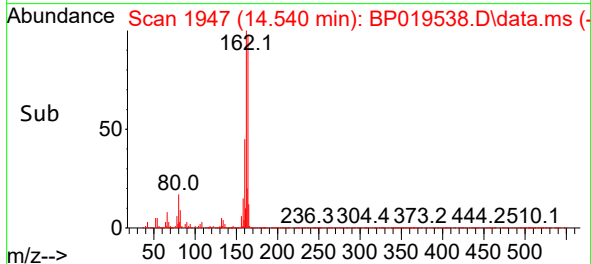
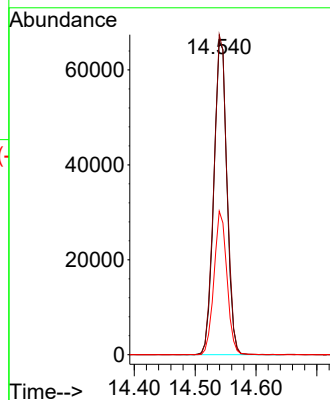
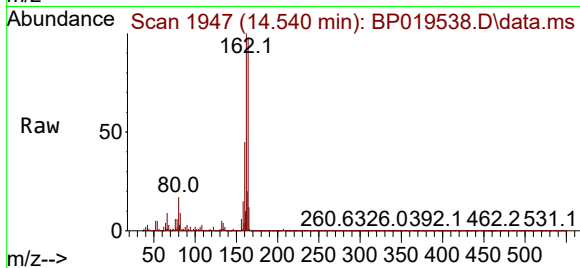
Tgt Ion:164 Resp: 98605

Ion Ratio Lower Upper

164 100

162 102.0 81.2 121.8

160 45.7 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.919 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Tgt Ion:216 Resp: 45325

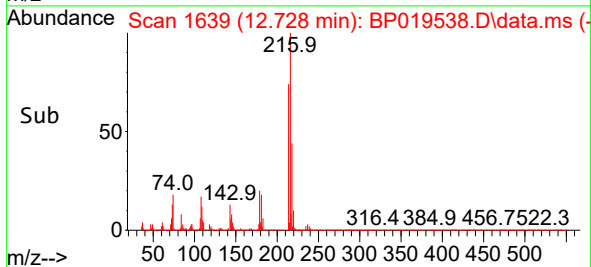
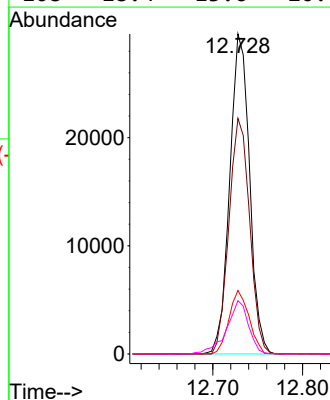
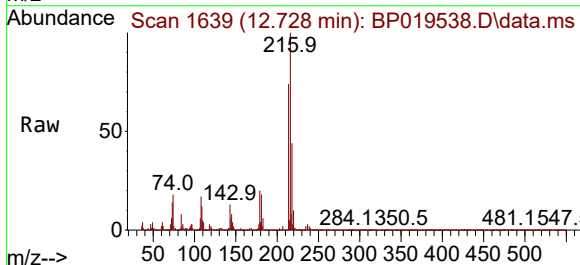
Ion Ratio Lower Upper

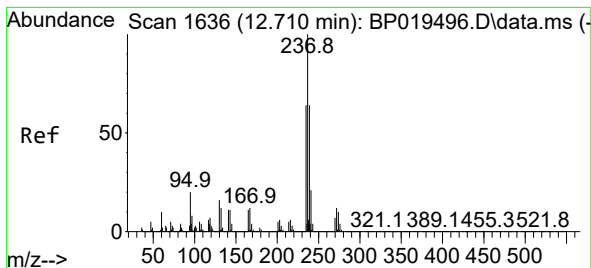
216 100

214 76.7 62.8 94.2

179 20.3 16.6 24.8

108 18.4 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 15.231 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

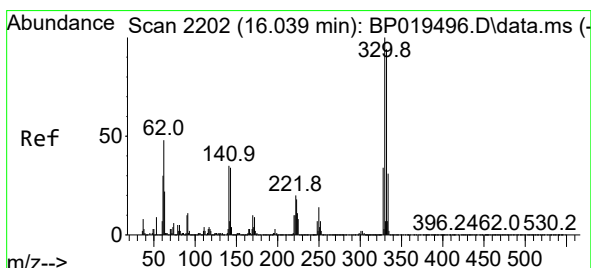
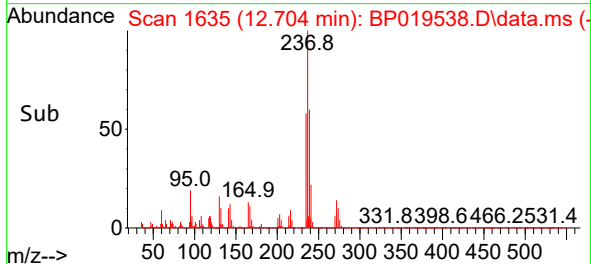
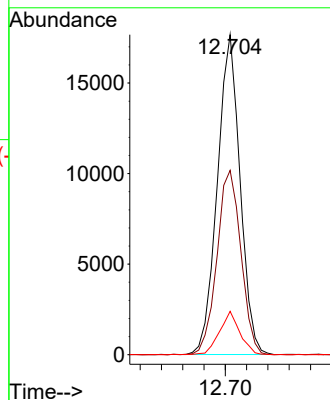
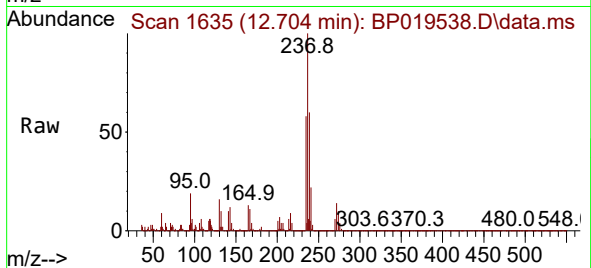
Tgt Ion:237 Resp: 26165

Ion Ratio Lower Upper

237 100

235 57.6 43.7 83.7

272 13.6 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 225.112 ng

RT: 16.034 min Scan# 2201

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

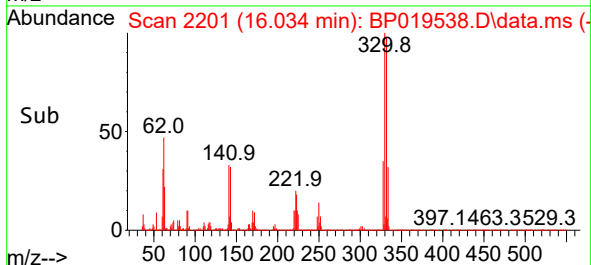
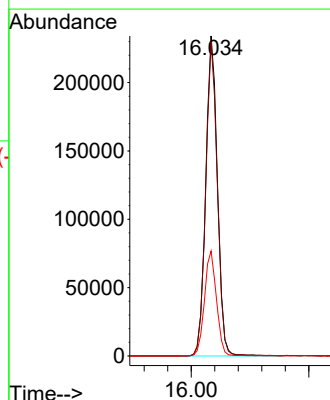
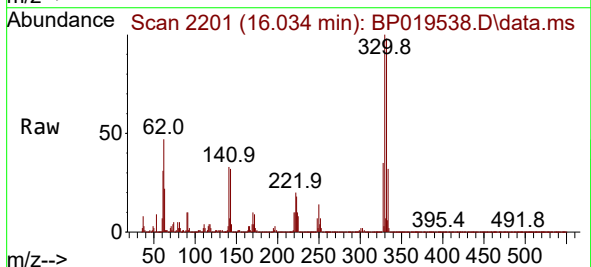
Tgt Ion:330 Resp: 324095

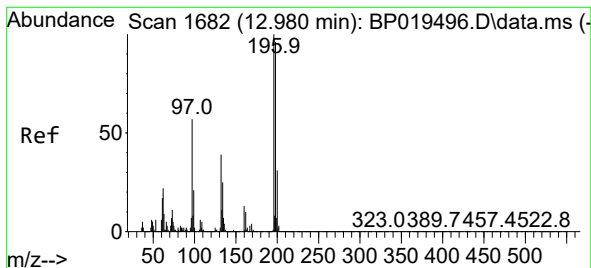
Ion Ratio Lower Upper

330 100

332 97.0 77.2 115.8

141 33.5 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 10.967 ng

RT: 12.975 min Scan# 1681

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

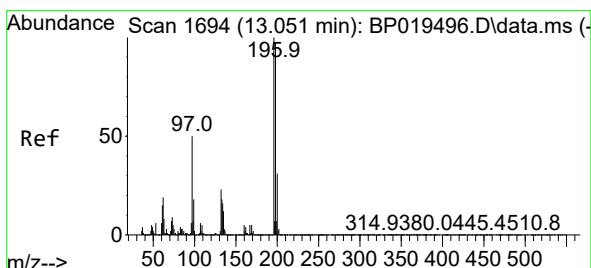
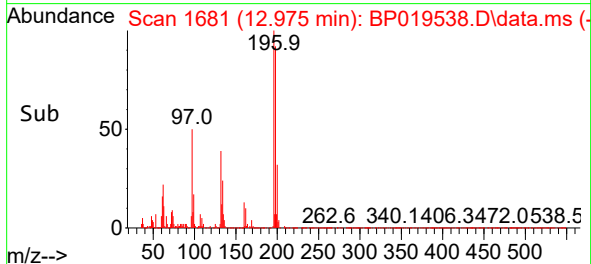
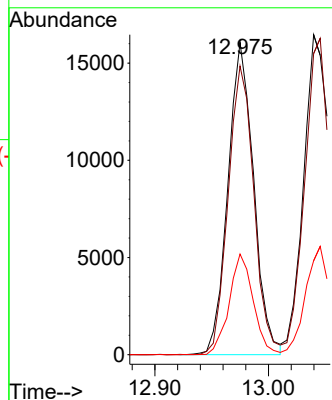
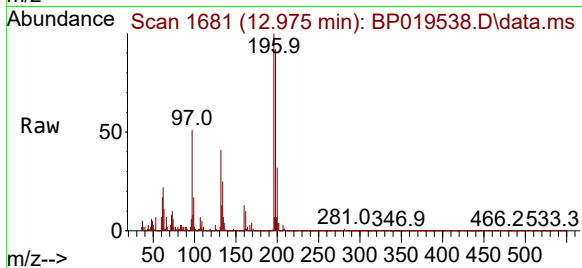
Tgt Ion:196 Resp: 25253

Ion Ratio Lower Upper

196 100

198 92.4 76.7 115.1

200 32.2 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 10.712 ng

RT: 13.040 min Scan# 1692

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Tgt Ion:196 Resp: 27087

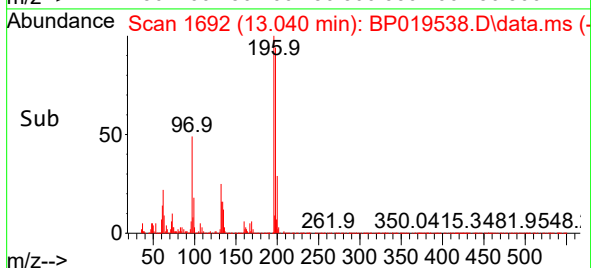
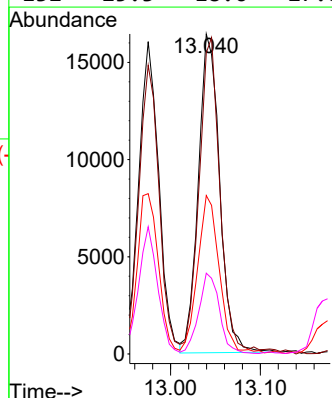
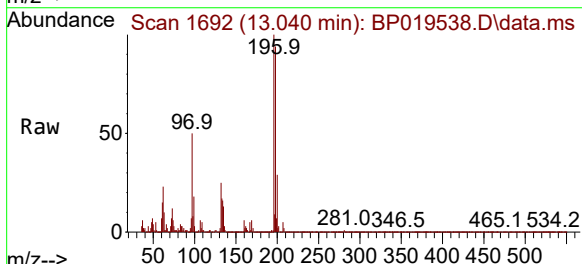
Ion Ratio Lower Upper

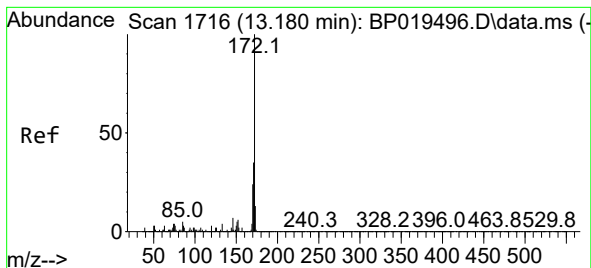
196 100

198 94.1 77.5 116.3

97 49.5 39.9 59.9

132 25.3 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 118.692 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

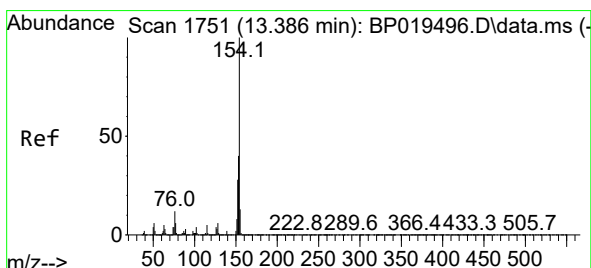
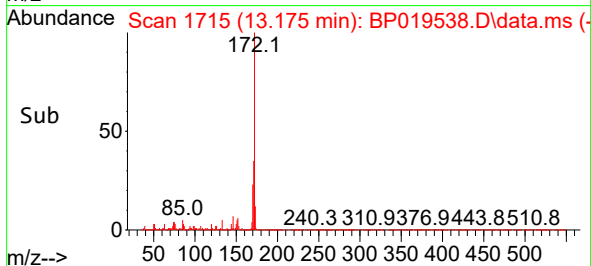
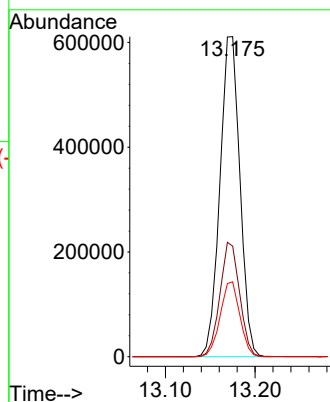
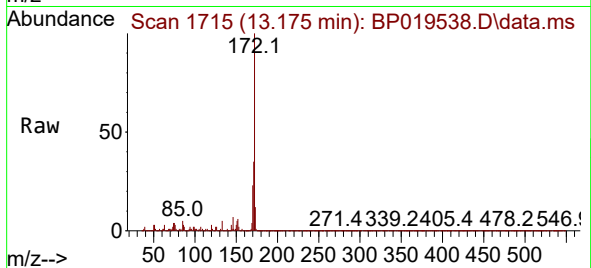
Tgt Ion:172 Resp: 946724

Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.4 18.9 28.3



#46

1,1'-Biphenyl

Concen: 11.623 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

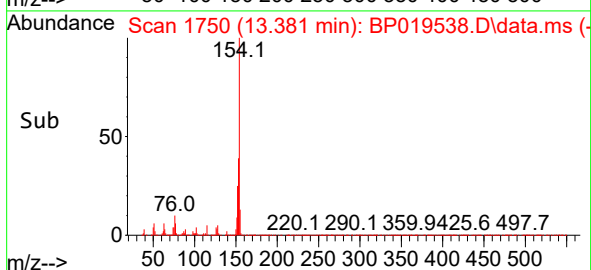
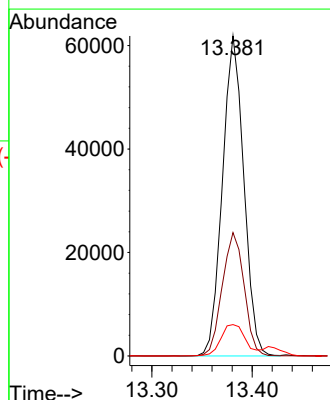
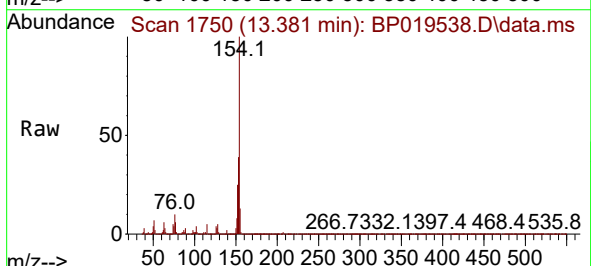
Tgt Ion:154 Resp: 91470

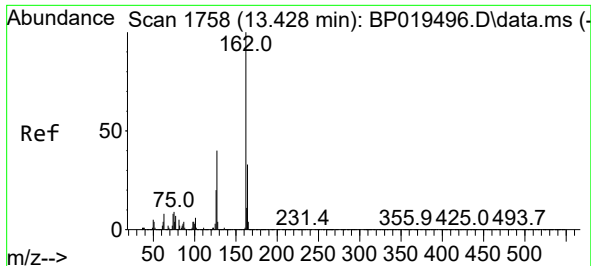
Ion Ratio Lower Upper

154 100

153 38.5 20.2 60.2

76 9.8 0.0 31.6





#47

2-Chloronaphthalene

Concen: 11.159 ng

RT: 13.422 min Scan# 1758

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

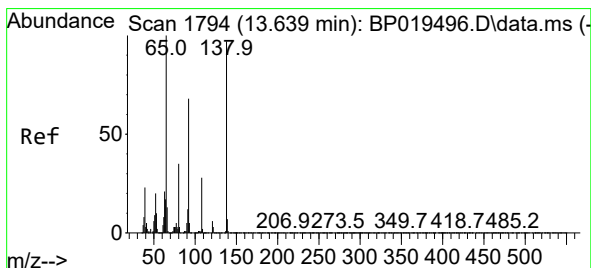
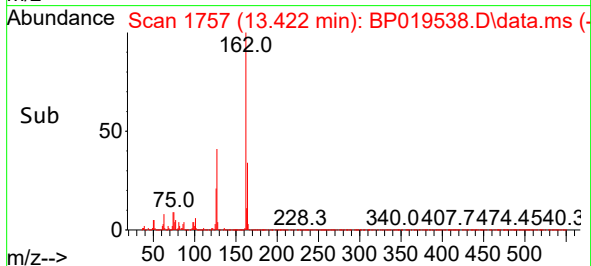
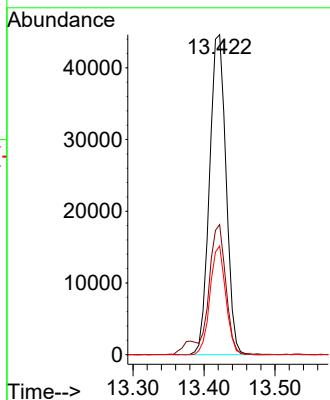
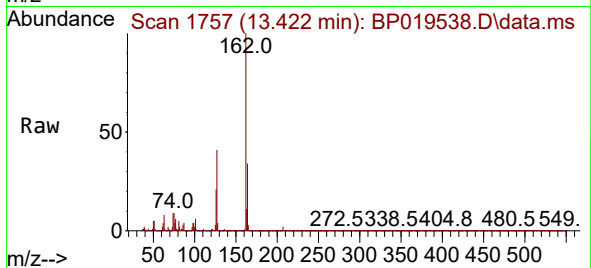
Tgt Ion:162 Resp: 72093

Ion Ratio Lower Upper

162 100

127 40.6 32.1 48.1

164 33.9 26.7 40.1



#48

2-Nitroaniline

Concen: 10.290 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

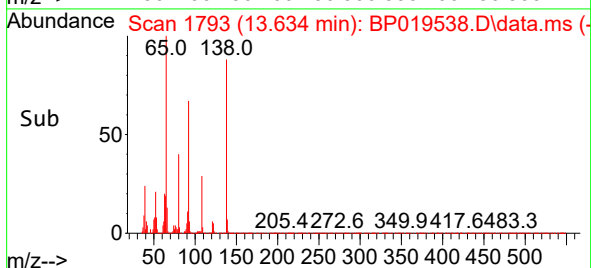
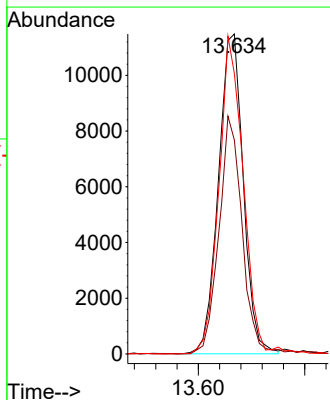
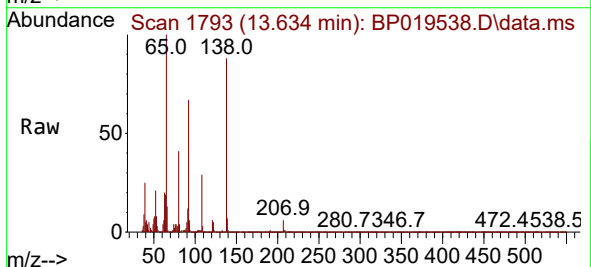
Tgt Ion: 65 Resp: 18588

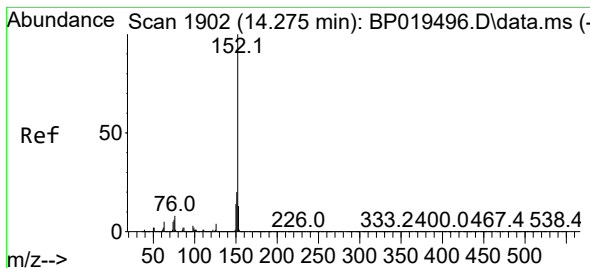
Ion Ratio Lower Upper

65 100

92 66.9 54.7 82.1

138 87.7 77.8 116.6





#49

Acenaphthylene

Concen: 12.485 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

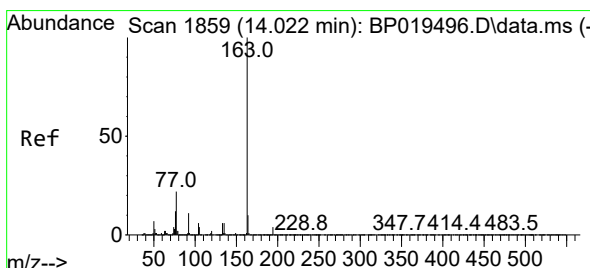
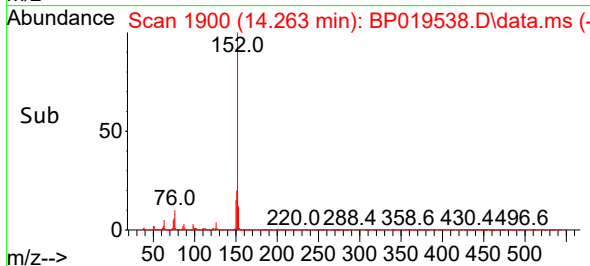
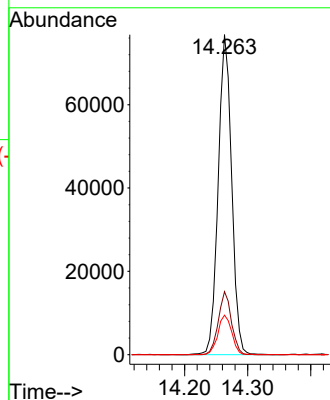
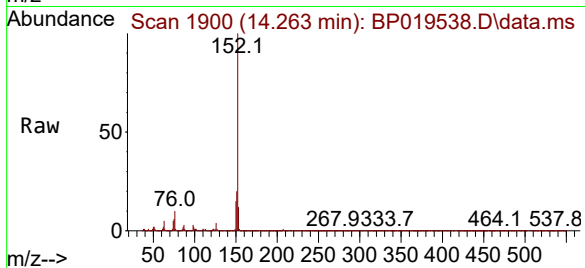
Tgt Ion:152 Resp: 113161

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 12.3 10.6 15.8



#50

Dimethylphthalate

Concen: 11.747 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

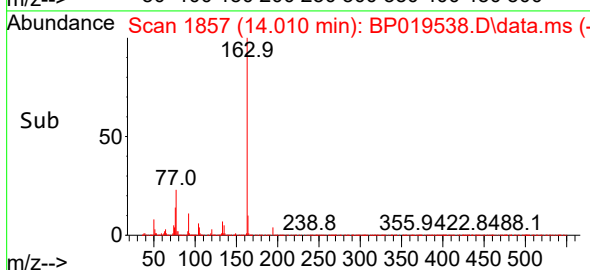
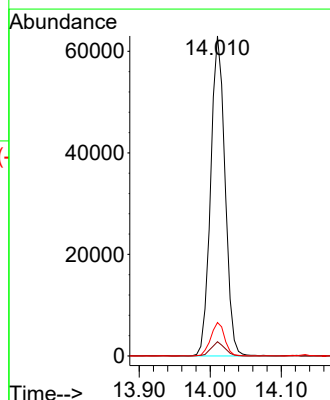
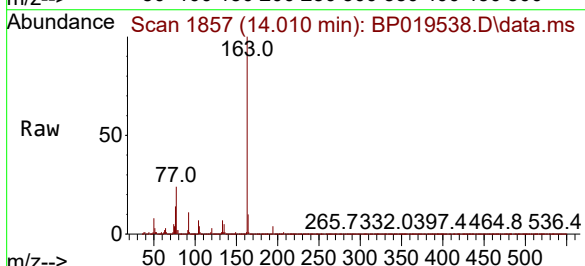
Tgt Ion:163 Resp: 88675

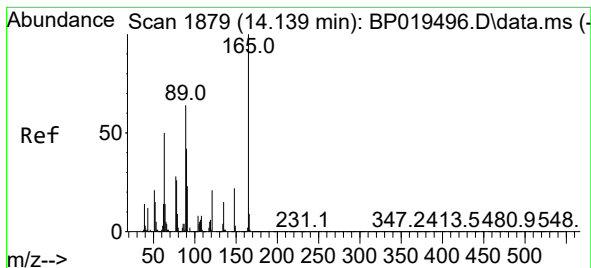
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 10.5 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 10.653 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

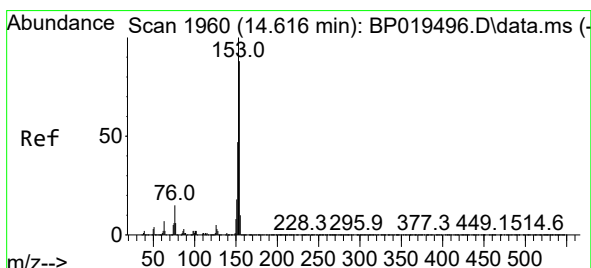
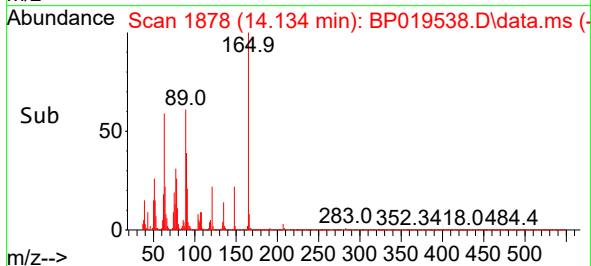
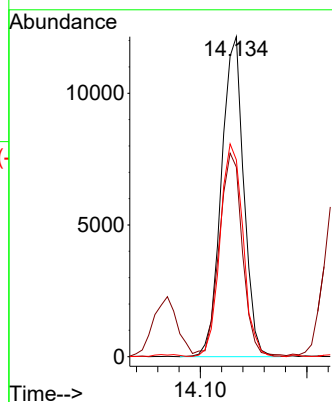
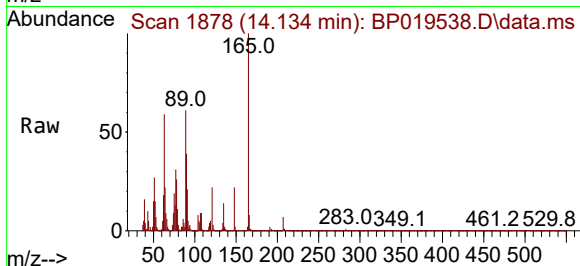
Tgt Ion:165 Resp: 17668

Ion Ratio Lower Upper

165 100

63 59.3 50.4 75.6

89 61.5 51.7 77.5



#52

Acenaphthene

Concen: 11.321 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

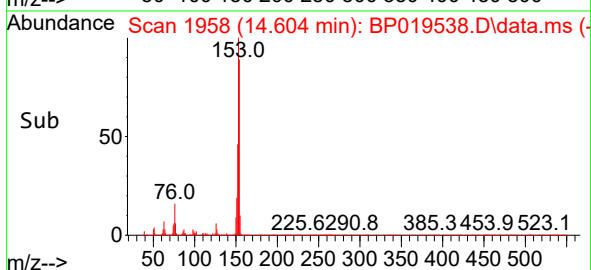
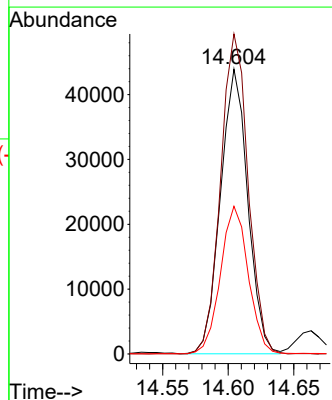
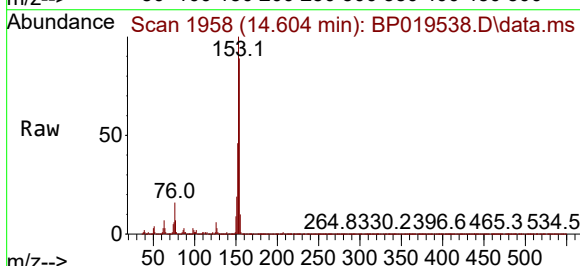
Tgt Ion:154 Resp: 63683

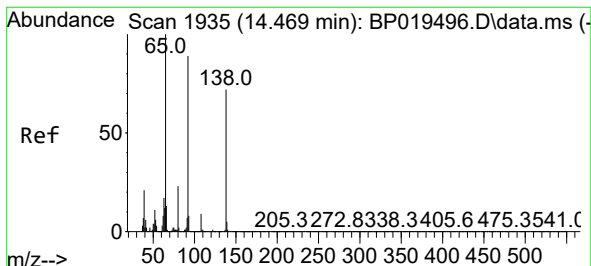
Ion Ratio Lower Upper

154 100

153 112.3 90.5 135.7

152 51.8 42.1 63.1





#53

3-Nitroaniline

Concen: 11.391 ng

RT: 14.457 min Scan# 1933

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

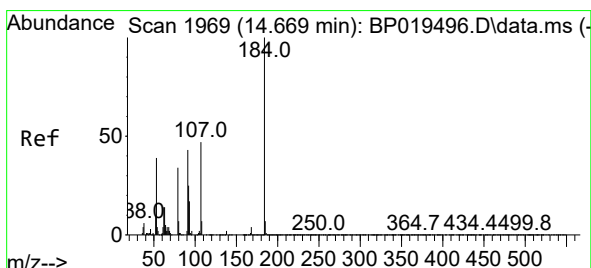
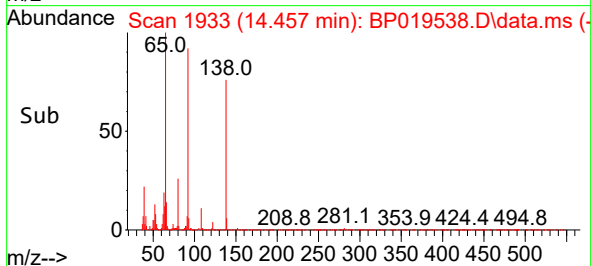
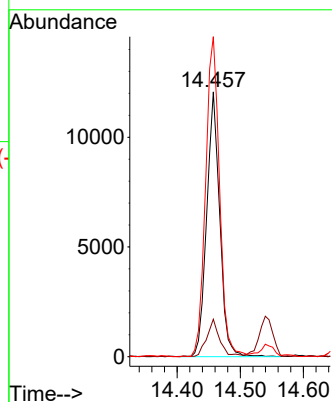
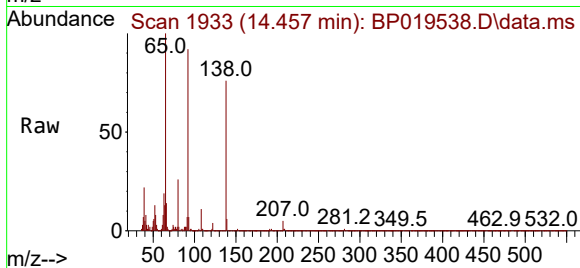
Tgt Ion:138 Resp: 17361

Ion Ratio Lower Upper

138 100

108 14.1 9.7 14.5

92 120.8 98.0 147.0



#54

2,4-Dinitrophenol

Concen: 9.664 ng

RT: 14.663 min Scan# 1968

Delta R.T. -0.006 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

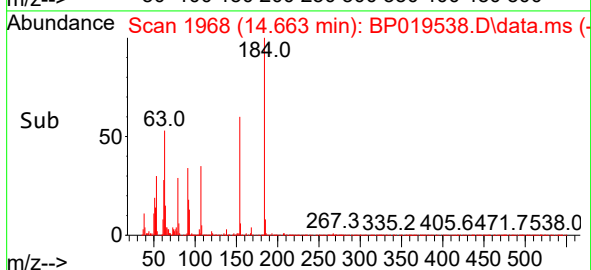
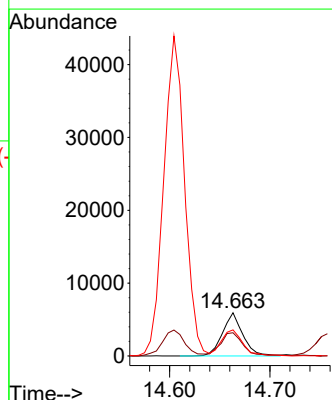
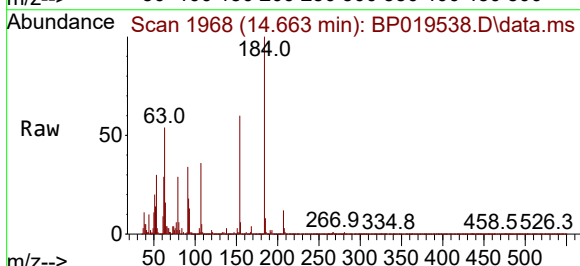
Tgt Ion:184 Resp: 8322

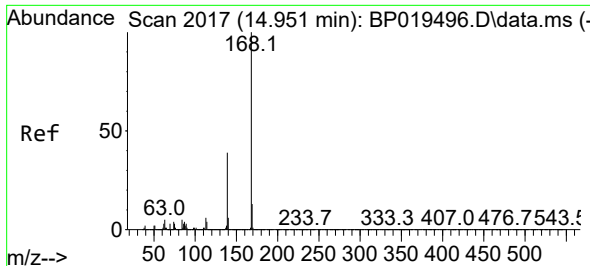
Ion Ratio Lower Upper

184 100

63 53.6 50.5 75.7

154 60.3 53.4 80.0

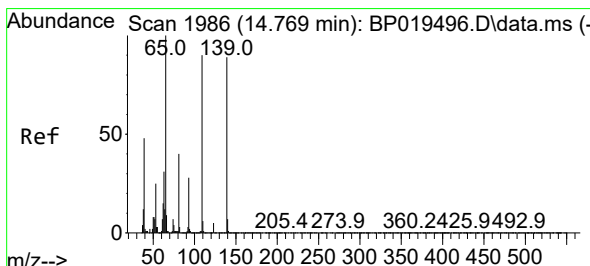
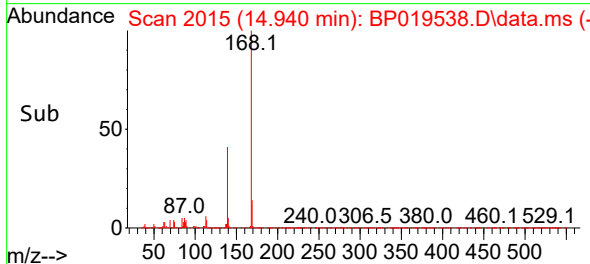
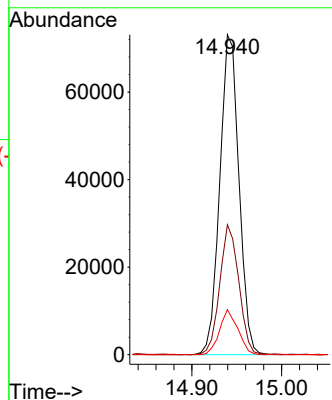
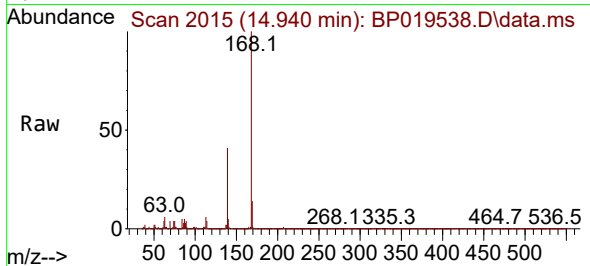




#55
Dibenzenofuran
Concen: 11.829 ng
RT: 14.940 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

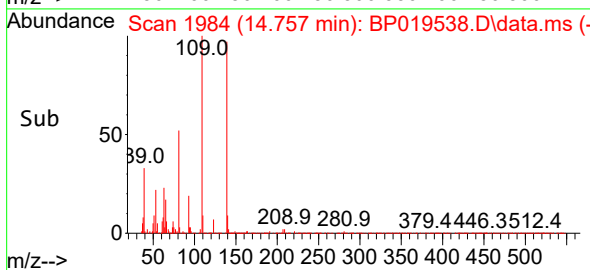
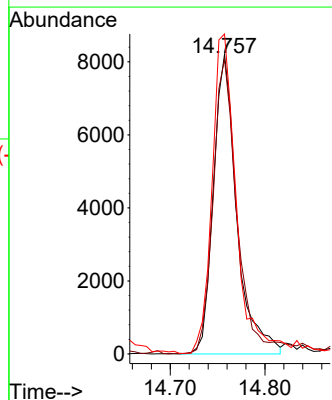
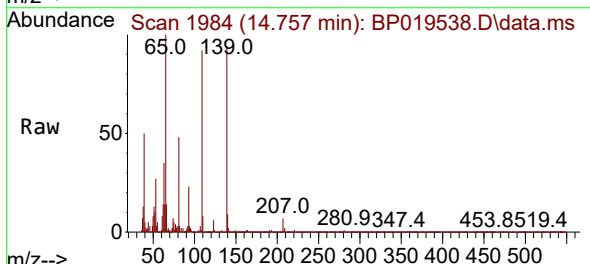
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

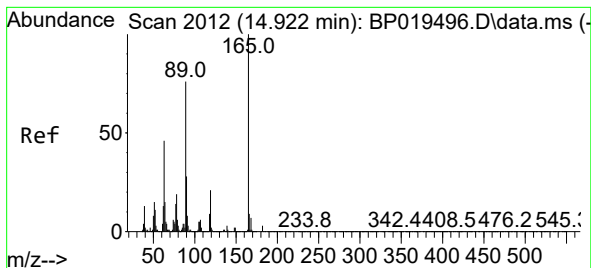
Tgt Ion:168 Resp: 108374
Ion Ratio Lower Upper
168 100
139 40.6 31.5 47.3
169 14.1 10.3 15.5



#56
4-Nitrophenol
Concen: 11.309 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:139 Resp: 14128
Ion Ratio Lower Upper
139 100
109 98.5 82.0 122.0
65 106.9 92.9 132.9





#57

2,4-Dinitrotoluene

Concen: 10.369 ng

RT: 14.916 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:165 Resp: 22535

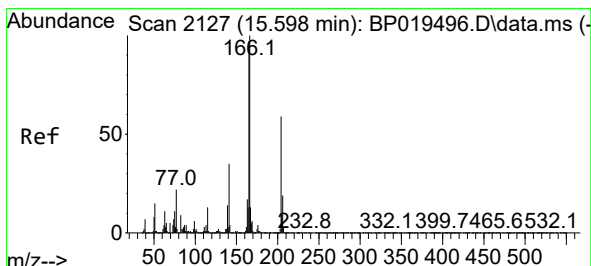
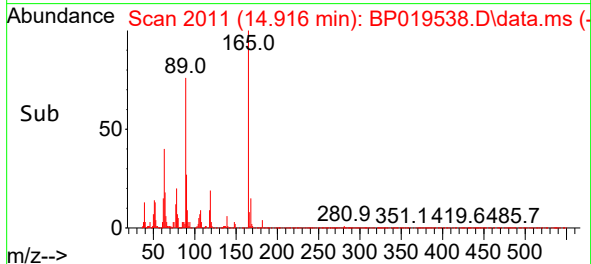
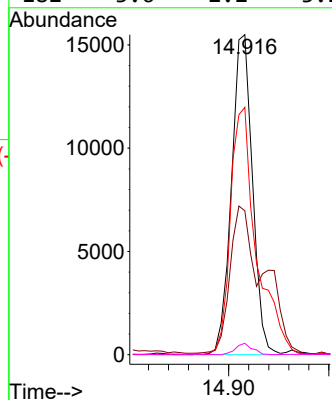
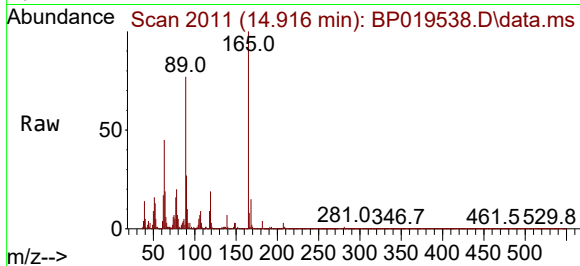
Ion Ratio Lower Upper

165 100

63 45.0 36.9 55.3

89 77.3 61.1 91.7

182 3.6 2.2 3.2#



#58

Fluorene

Concen: 11.883 ng

RT: 15.593 min Scan# 2126

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

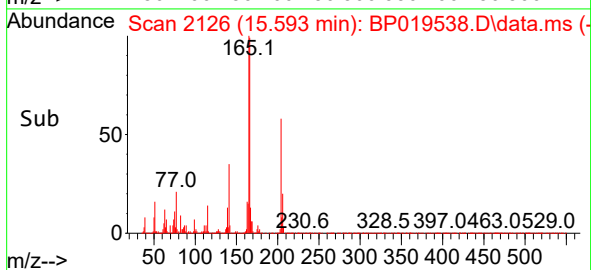
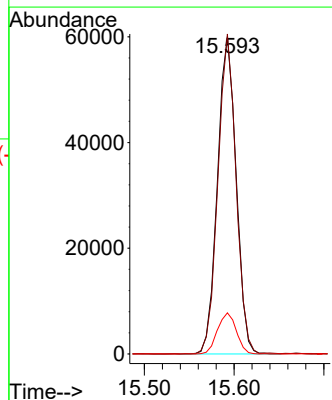
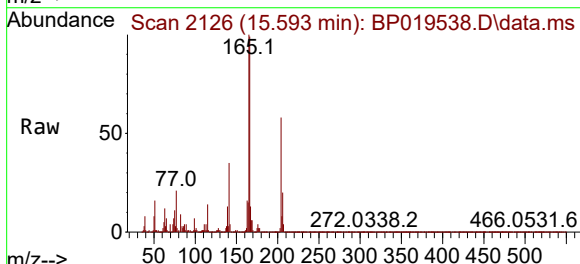
Tgt Ion:166 Resp: 86711

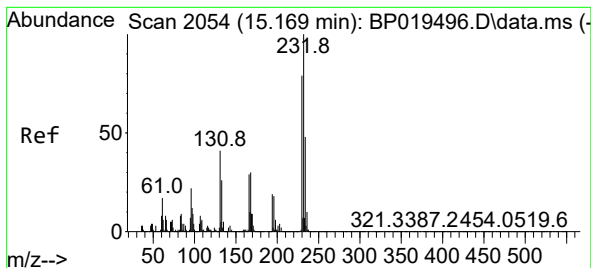
Ion Ratio Lower Upper

166 100

165 100.9 77.8 116.8

167 13.0 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 11.177 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:232 Resp: 23771

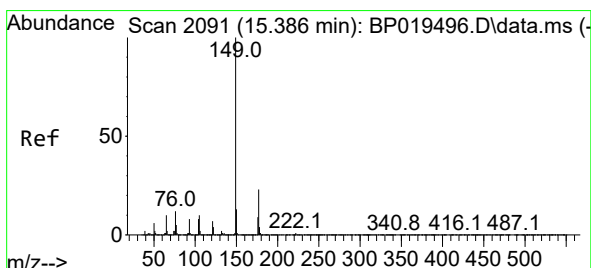
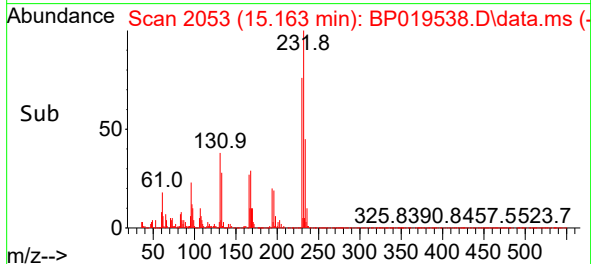
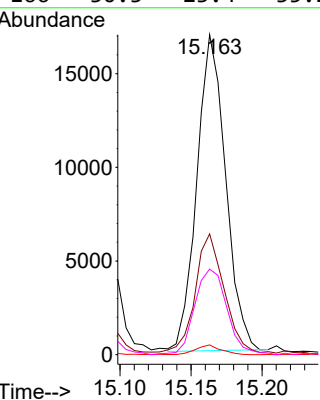
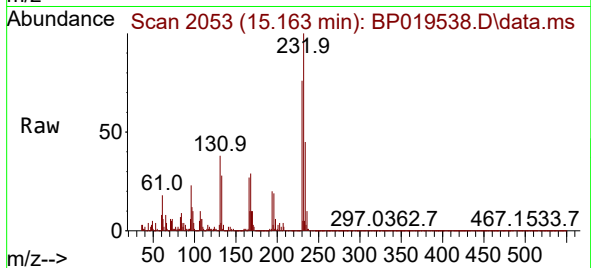
Ion Ratio Lower Upper

232 100

131 38.4 32.4 48.6

130 2.7 1.9 2.9

166 30.3 23.4 35.2



#60

Diethylphthalate

Concen: 11.468 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

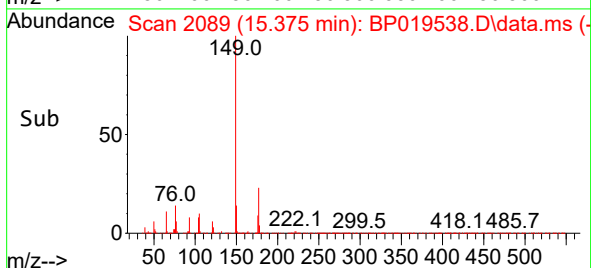
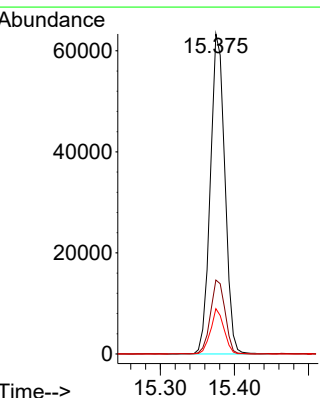
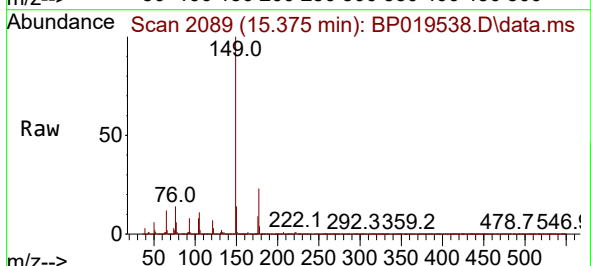
Tgt Ion:149 Resp: 86106

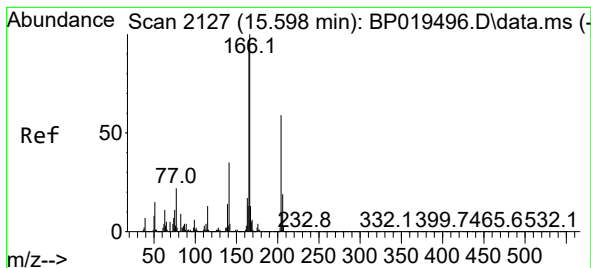
Ion Ratio Lower Upper

149 100

177 23.1 18.2 27.2

150 14.2 10.2 15.4

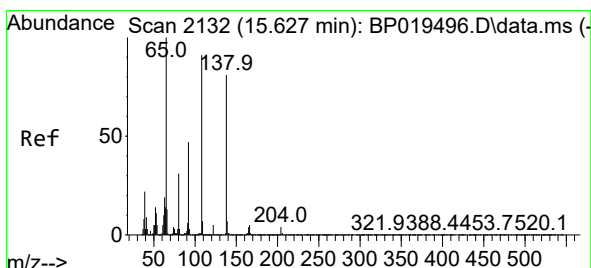
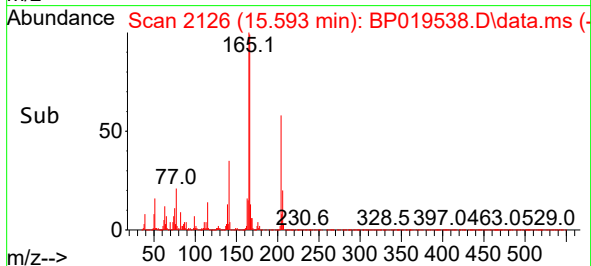
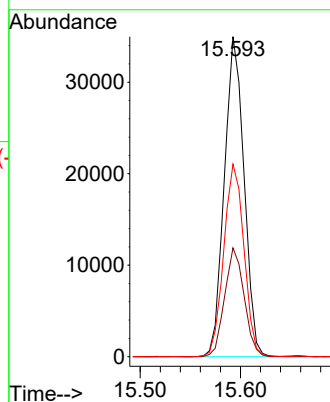
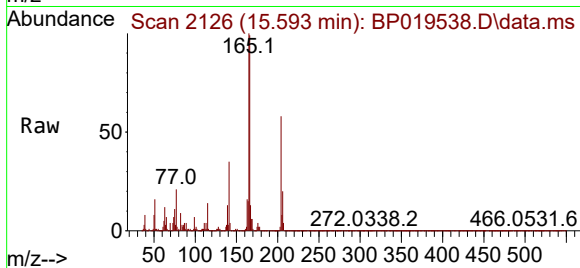




#61
4-Chlorophenyl-phenylether
Concen: 11.636 ng
RT: 15.593 min Scan# 2127
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

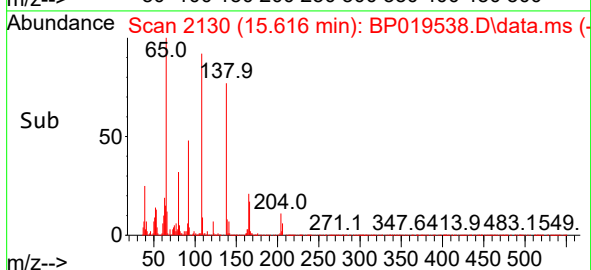
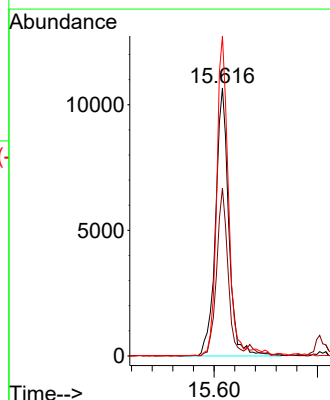
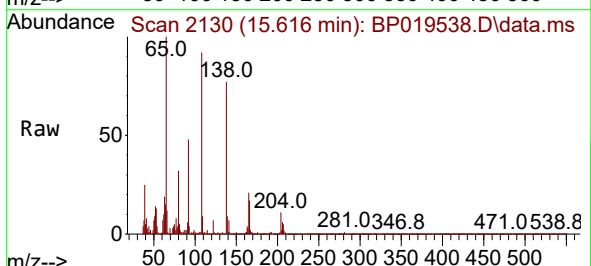
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

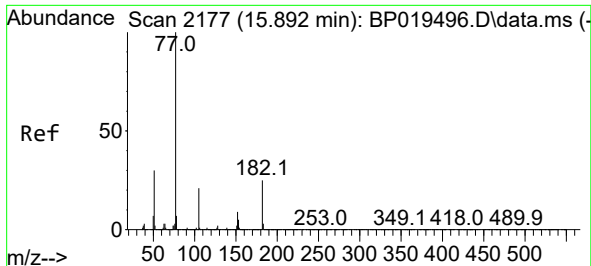
Tgt Ion:204 Resp: 47726
Ion Ratio Lower Upper
204 100
206 34.0 26.5 39.7
141 60.2 48.5 72.7



#62
4-Nitroaniline
Concen: 11.827 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:138 Resp: 18894
Ion Ratio Lower Upper
138 100
92 62.6 38.3 78.3
108 119.4 91.2 131.2

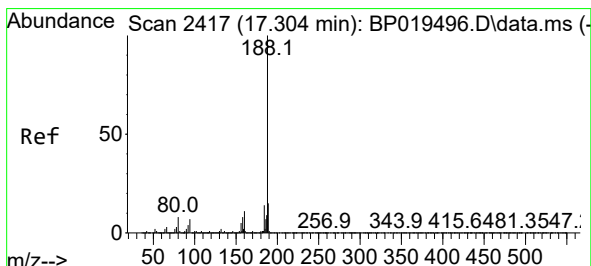
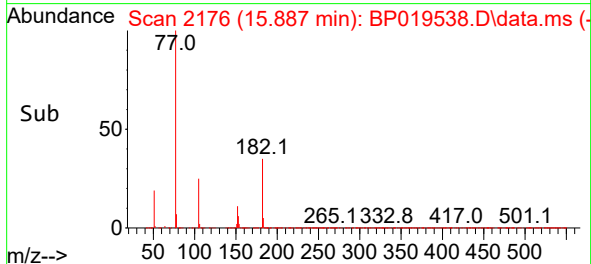
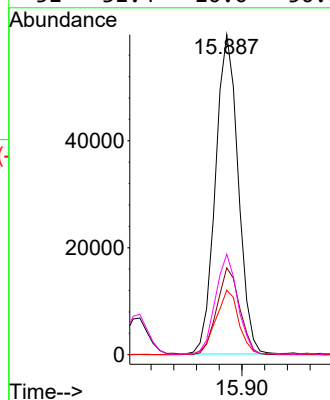
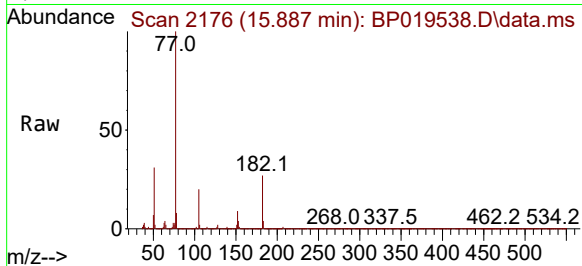




#63
Azobenzene
Concen: 11.471 ng
RT: 15.887 min Scan# 2176
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

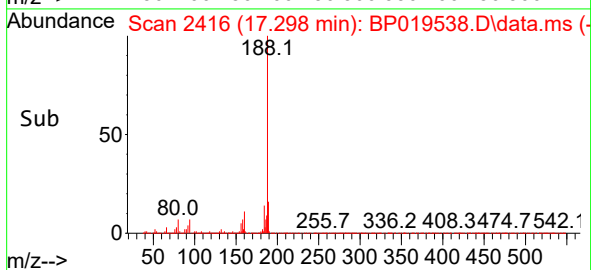
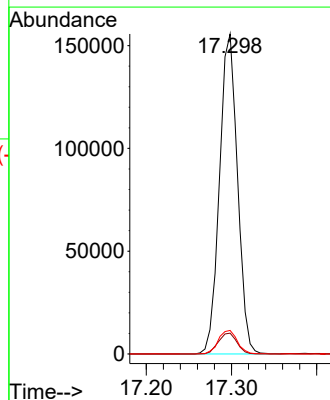
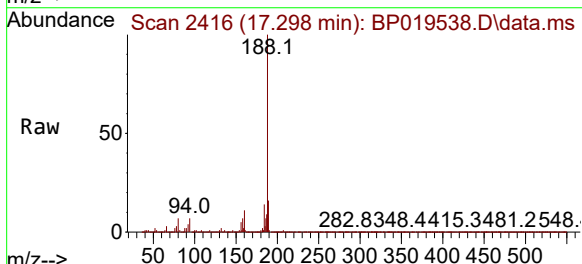
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

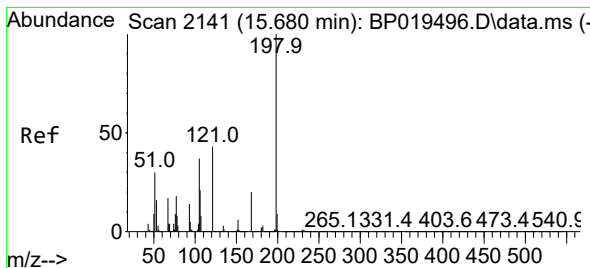
Tgt Ion: 77	Resp: 83287
Ion Ratio	Lower Upper
77 100	
182 27.2	5.1 45.1
105 20.1	0.8 40.8
51 31.4	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion: 188	Resp: 228316
Ion Ratio	Lower Upper
188 100	
94 6.5	5.4 8.2
80 7.4	6.3 9.5

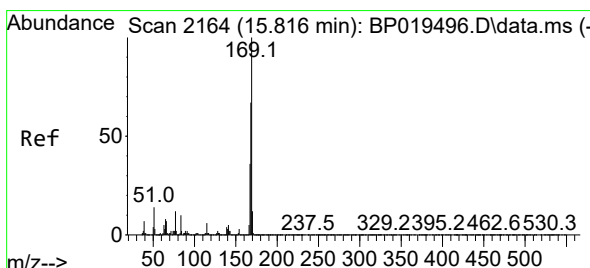
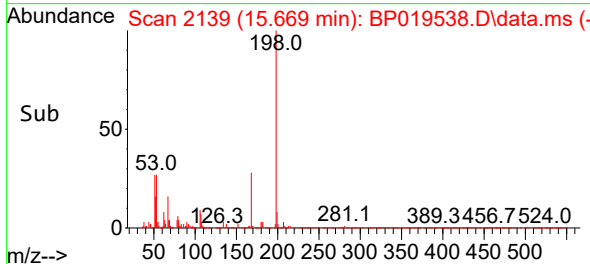
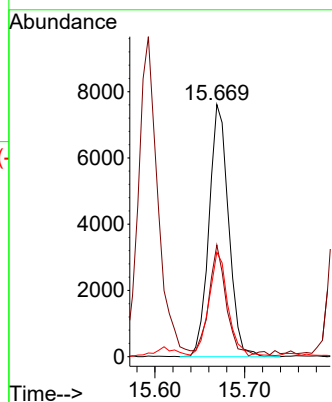
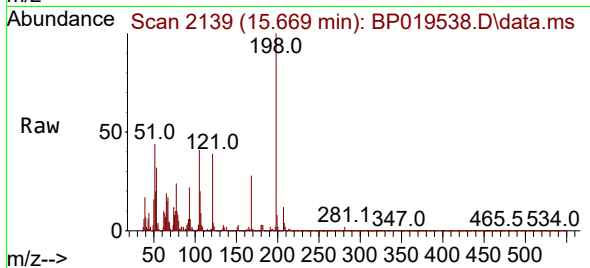




#65
4,6-Dinitro-2-methylphenol
Concen: 8.844 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

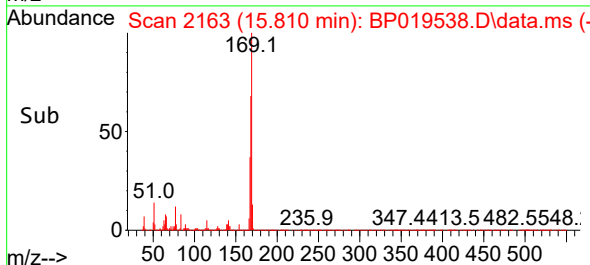
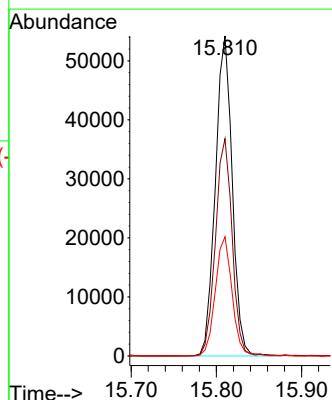
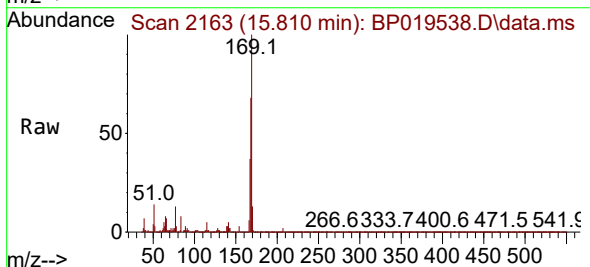
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

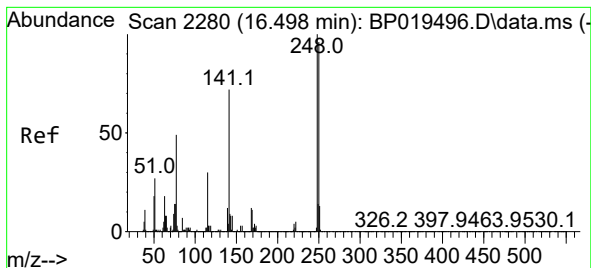
Tgt Ion:198 Resp: 11514
Ion Ratio Lower Upper
198 100
51 44.3 21.2 61.2
105 41.4 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 10.909 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.005 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:169 Resp: 74597
Ion Ratio Lower Upper
169 100
168 67.9 53.4 80.2
167 37.3 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 10.102 ng

RT: 16.492 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

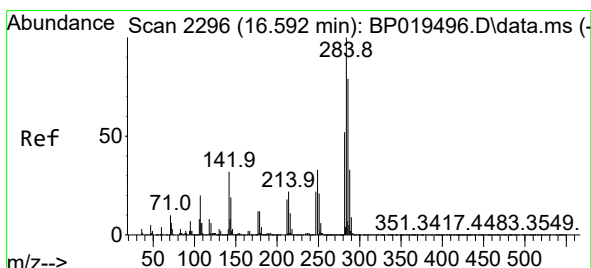
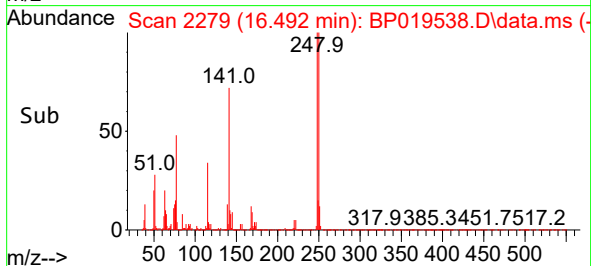
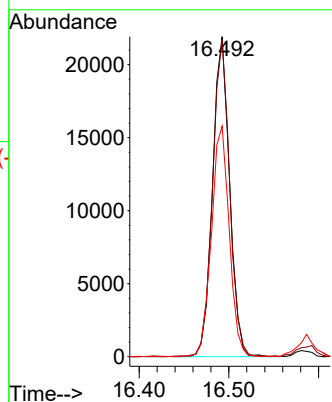
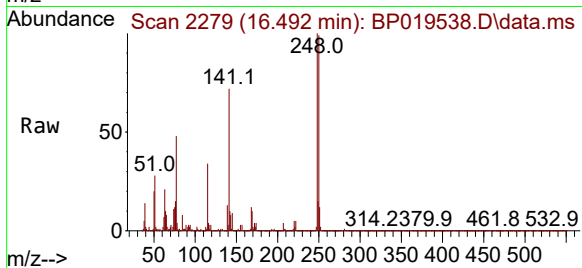
Tgt Ion:248 Resp: 28833

Ion Ratio Lower Upper

248 100

250 99.1 76.9 115.3

141 72.1 58.0 87.0



#68

Hexachlorobenzene

Concen: 10.619 ng

RT: 16.587 min Scan# 2295

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

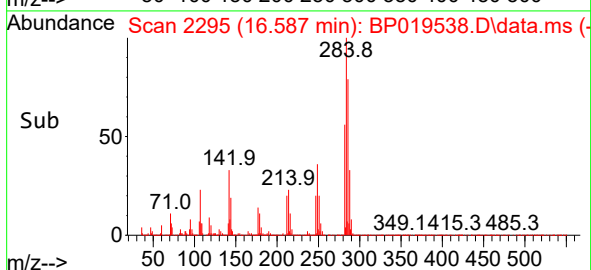
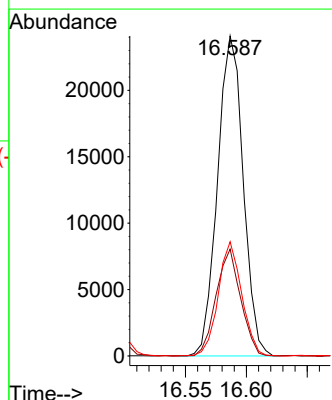
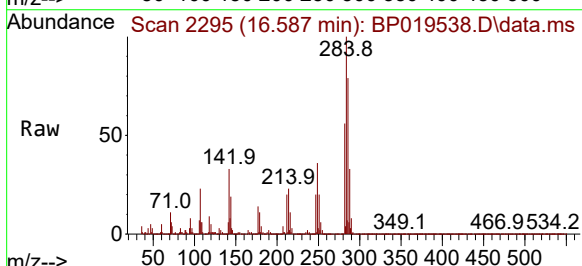
Tgt Ion:284 Resp: 35395

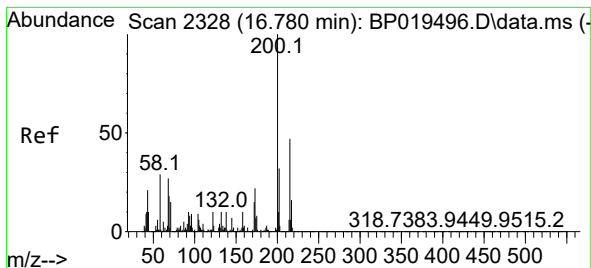
Ion Ratio Lower Upper

284 100

142 33.4 25.4 38.2

249 35.7 26.5 39.7





#69

Atrazine

Concen: 13.374 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

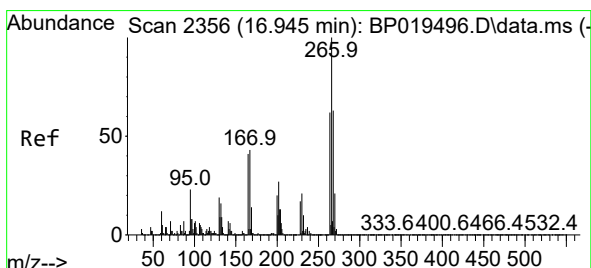
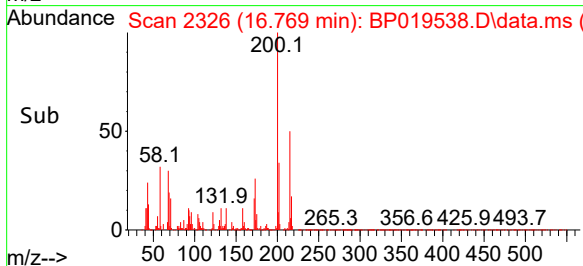
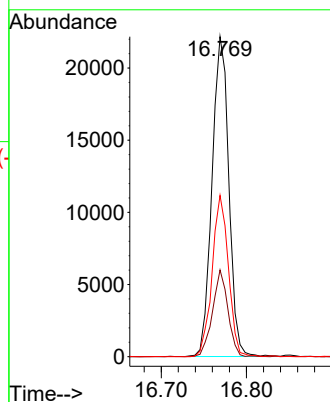
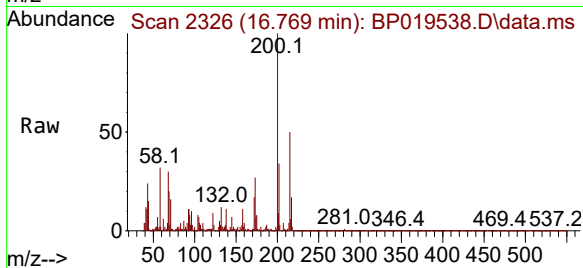
Tgt Ion:200 Resp: 30346

Ion Ratio Lower Upper

200 100

173 27.1 1.7 41.7

215 50.4 26.9 66.9



#70

Pentachlorophenol

Concen: 9.713 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

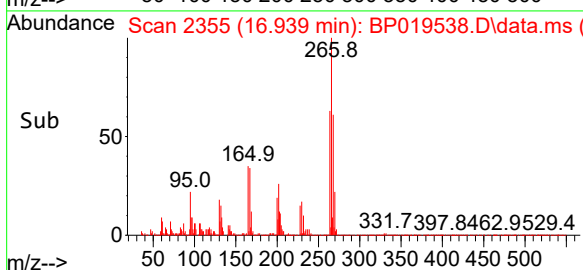
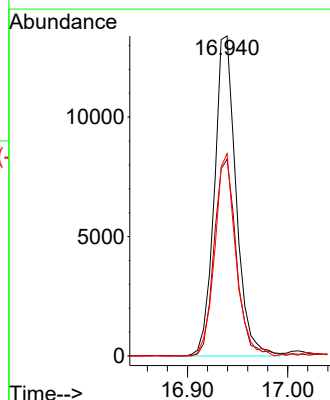
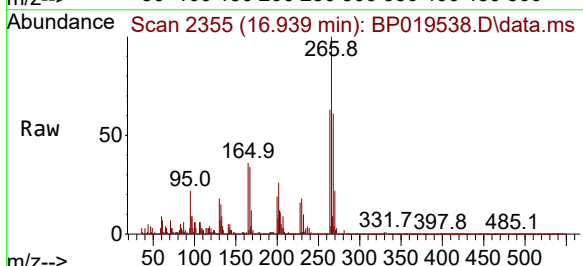
Tgt Ion:266 Resp: 20160

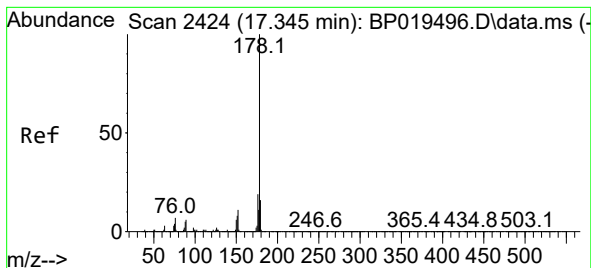
Ion Ratio Lower Upper

266 100

268 61.5 50.3 75.5

264 63.2 49.7 74.5





#71

Phenanthrene

Concen: 11.929 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

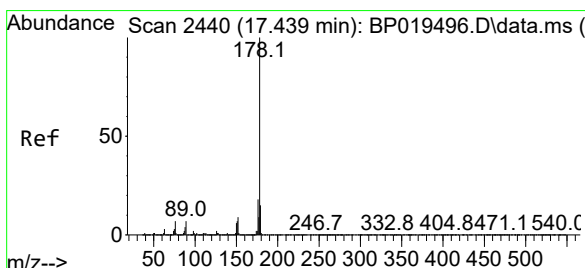
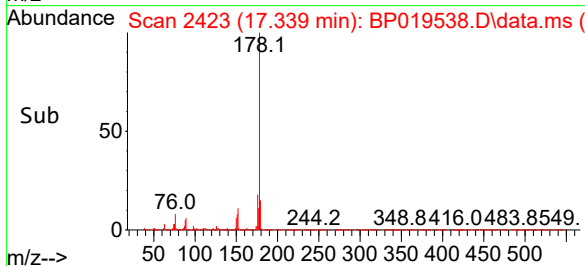
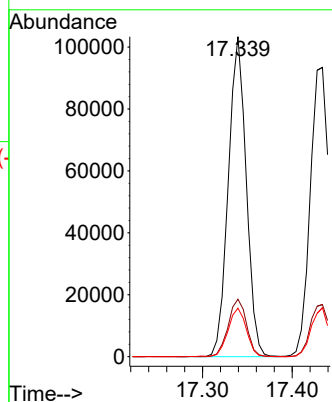
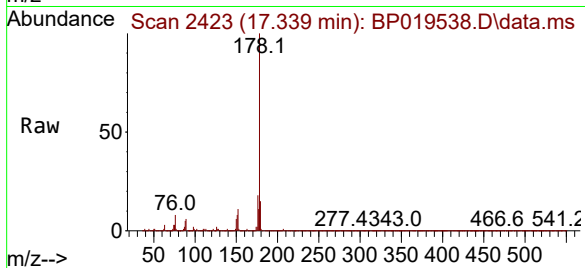
Tgt Ion:178 Resp: 143338

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

179 15.2 12.6 19.0



#72

Anthracene

Concen: 11.752 ng

RT: 17.434 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

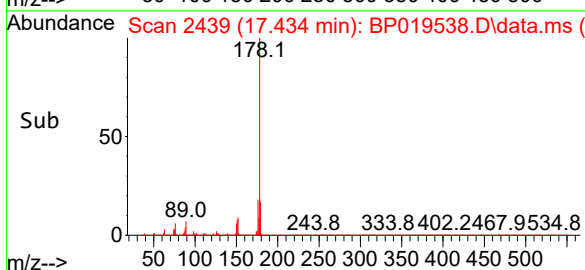
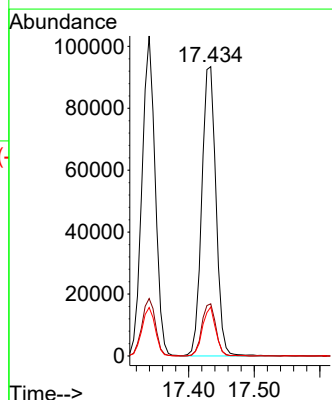
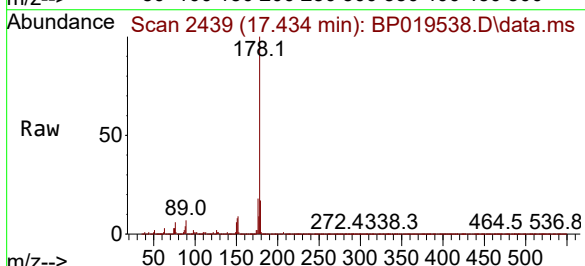
Tgt Ion:178 Resp: 140857

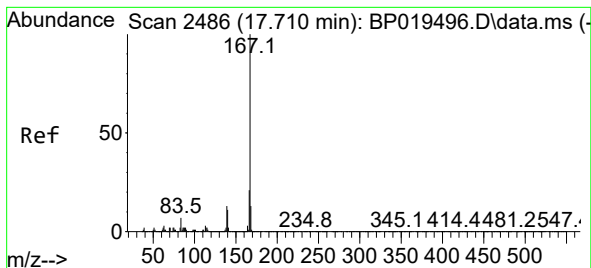
Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 16.9 12.2 18.2





#73

Carbazole

Concen: 11.682 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

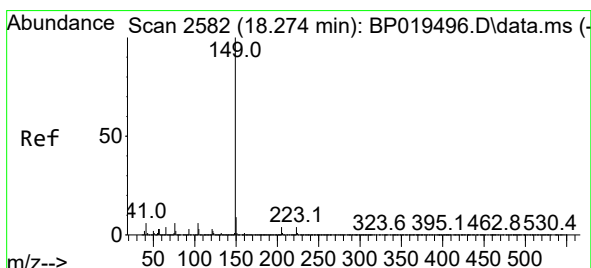
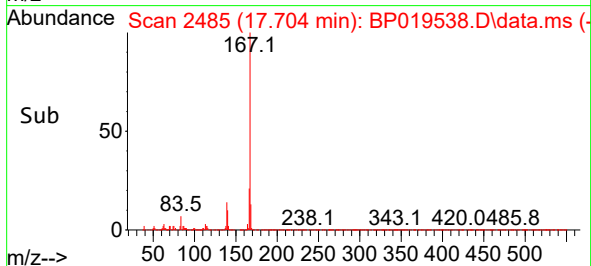
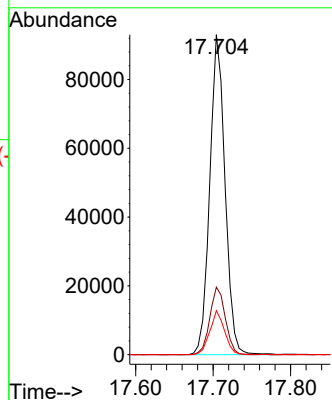
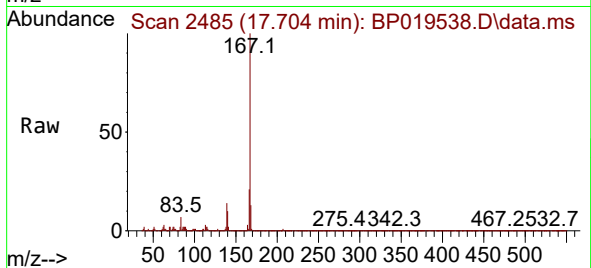
Tgt Ion:167 Resp: 127202

Ion Ratio Lower Upper

167 100

166 21.1 17.2 25.8

139 13.8 10.6 15.8



#74

Di-n-butylphthalate

Concen: 11.268 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

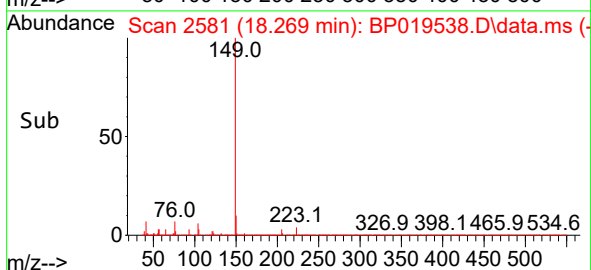
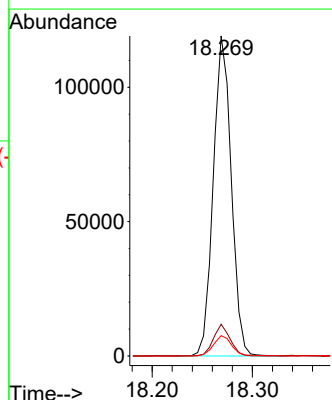
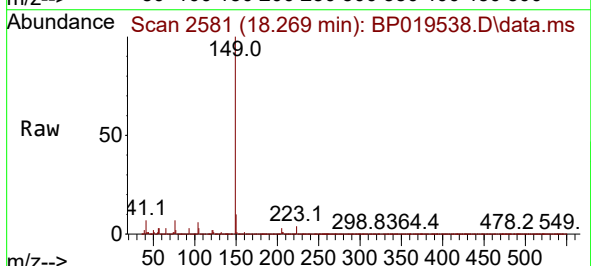
Tgt Ion:149 Resp: 148347

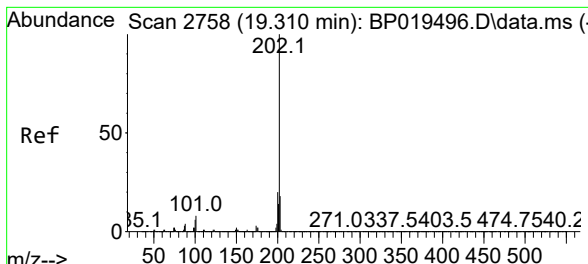
Ion Ratio Lower Upper

149 100

150 9.9 7.3 10.9

104 6.3 4.8 7.2

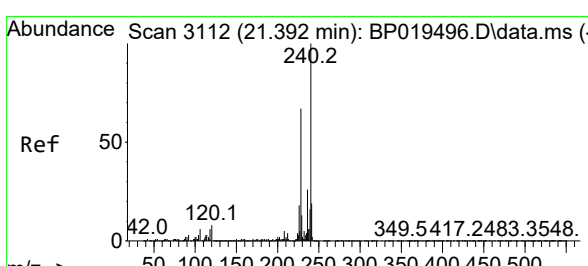
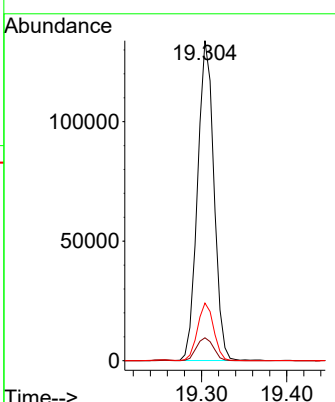
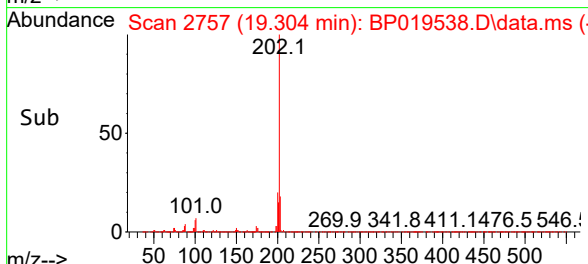
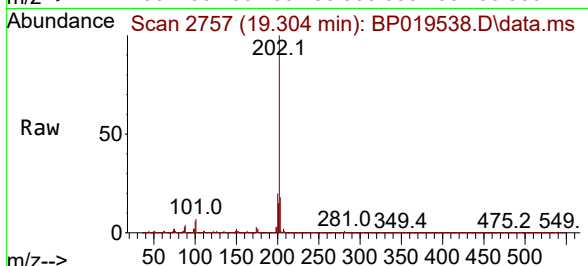




#75
 Fluoranthene
 Concen: 12.166 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BP019538.D
 Acq: 02 Feb 2024 21:17

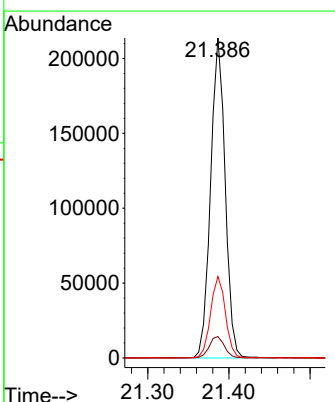
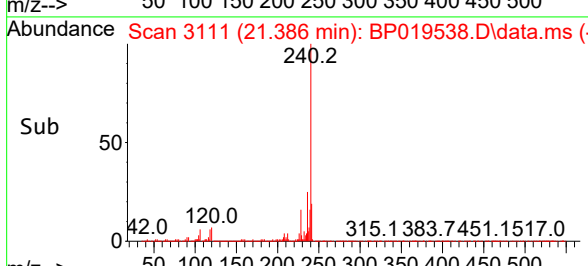
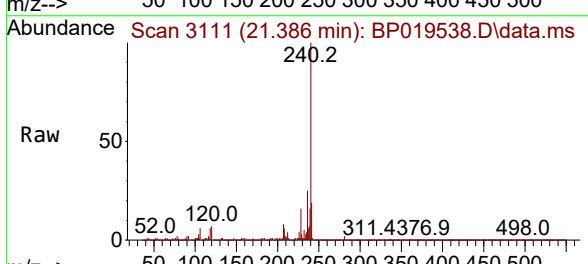
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

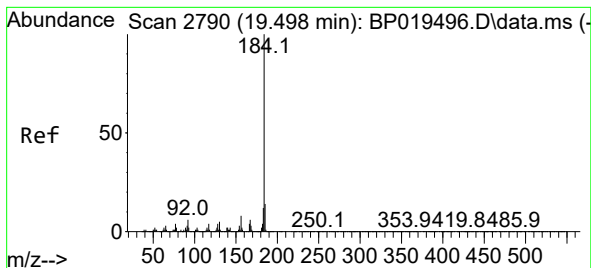
Tgt Ion:	202	Resp:	178572
Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	27.7
203	18.0	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019538.D
 Acq: 02 Feb 2024 21:17

Tgt Ion:	240	Resp:	266080
Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.1	9.1
236	25.4	20.7	31.1





#77

Benzidine

Concen: 15.280 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

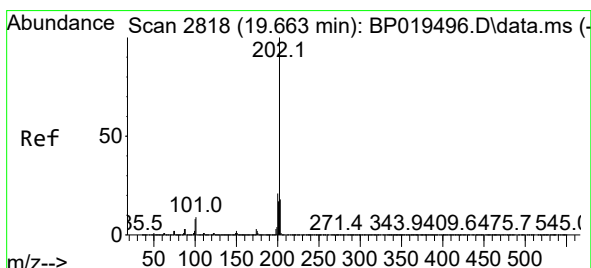
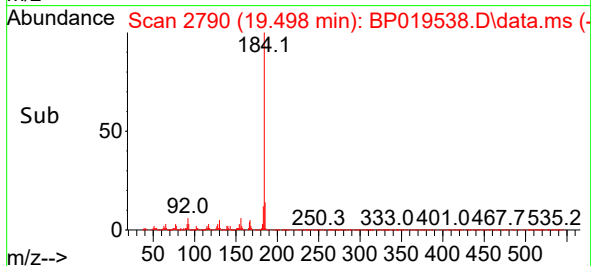
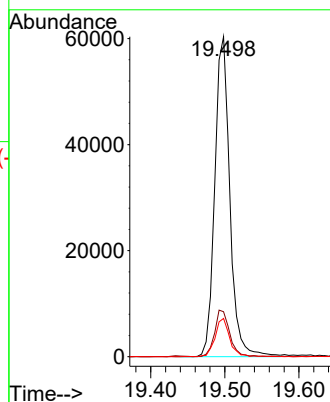
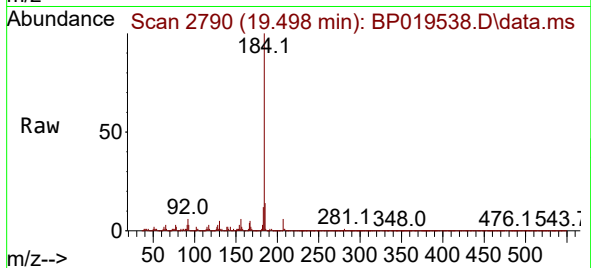
Tgt Ion:184 Resp: 85003

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

183 12.0 9.7 14.5



#78

Pyrene

Concen: 10.004 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

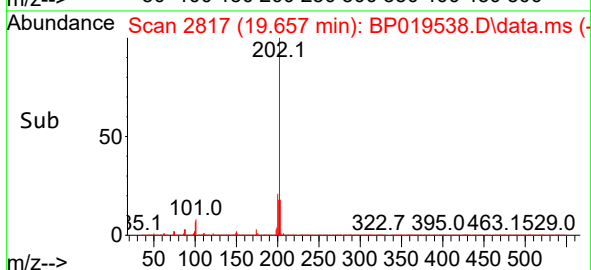
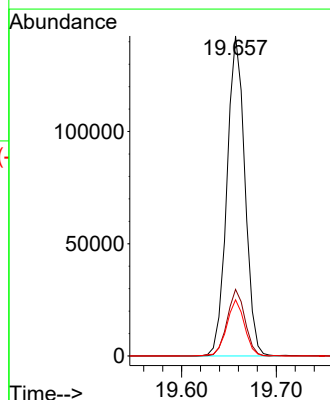
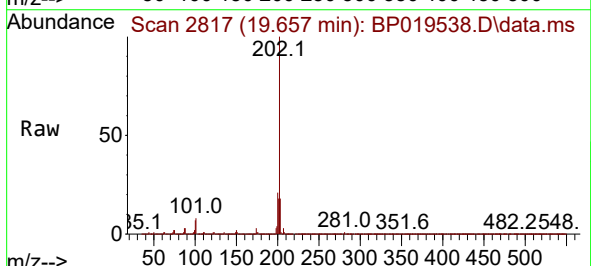
Tgt Ion:202 Resp: 187868

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 110.713 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

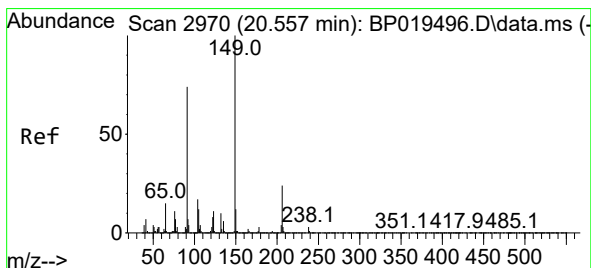
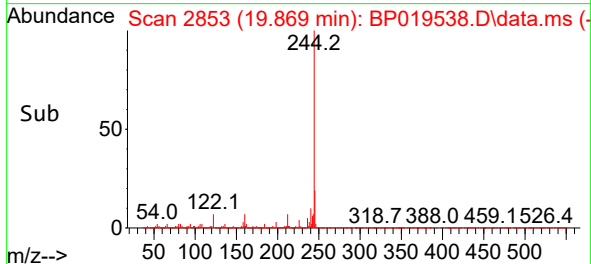
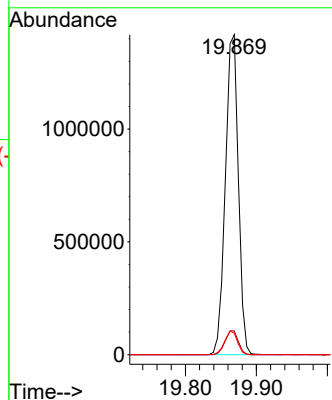
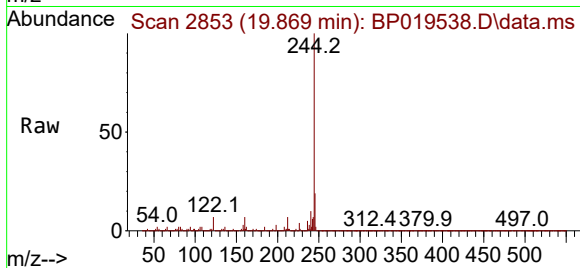
Tgt Ion:244 Resp: 1791281

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.7 5.9 8.9



#80

Butylbenzylphthalate

Concen: 9.858 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

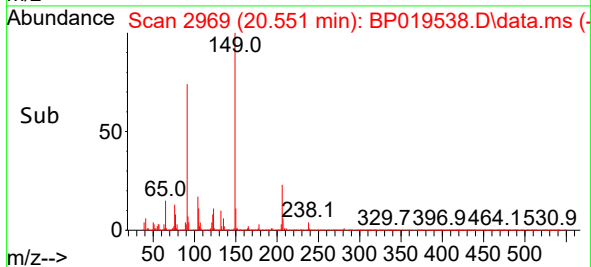
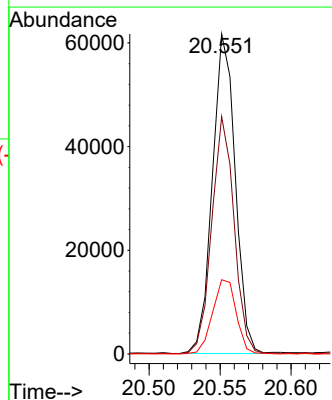
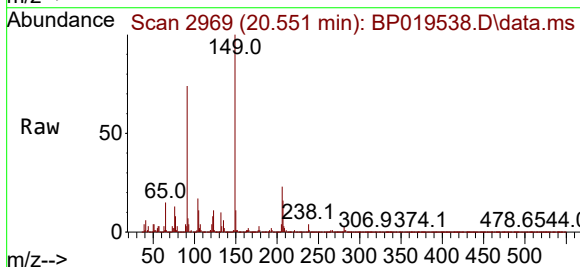
Tgt Ion:149 Resp: 69132

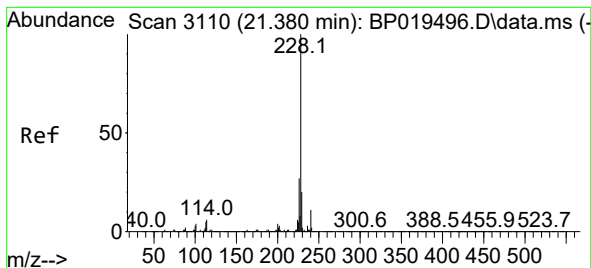
Ion Ratio Lower Upper

149 100

91 74.2 59.4 89.0

206 23.2 19.0 28.6





#81

Benzo(a)anthracene

Concen: 11.538 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

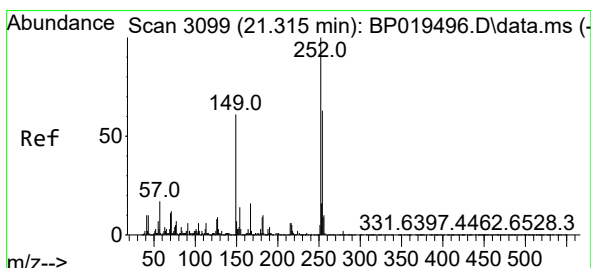
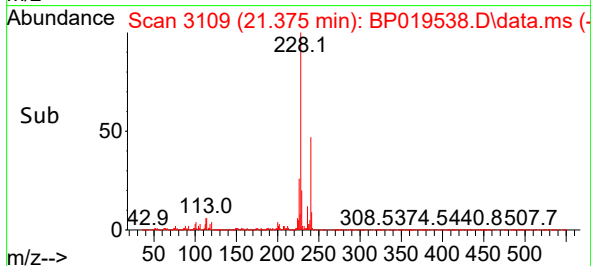
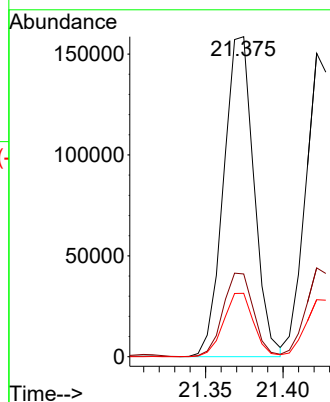
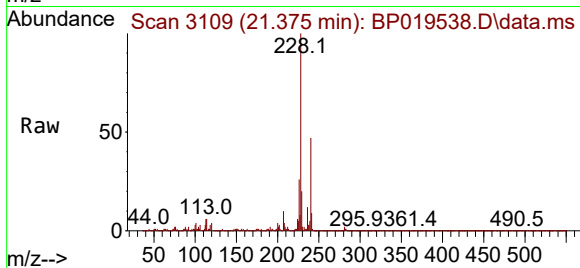
Tgt Ion:228 Resp: 216108

Ion Ratio Lower Upper

228 100

226 25.8 21.7 32.5

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 12.195 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

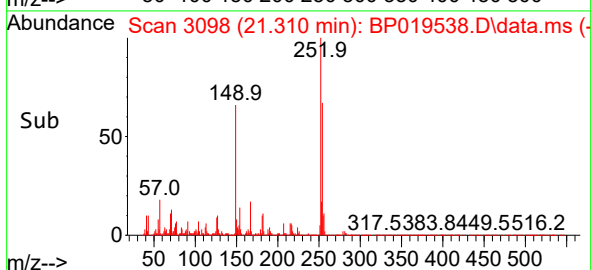
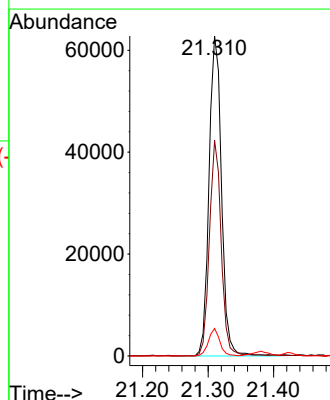
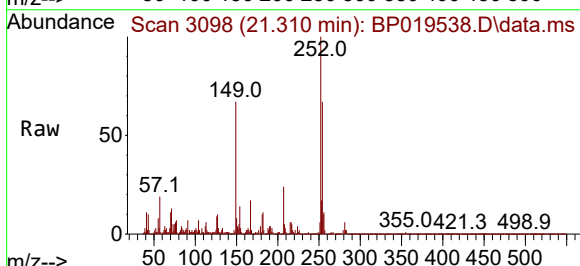
Tgt Ion:252 Resp: 83232

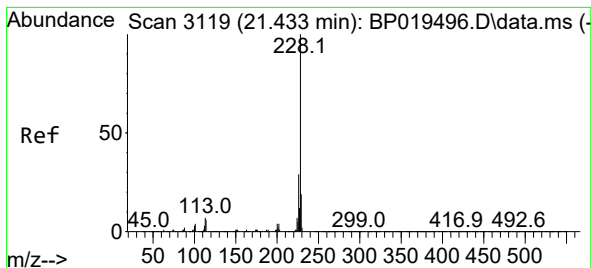
Ion Ratio Lower Upper

252 100

254 67.4 50.7 76.1

126 8.6 6.4 9.6





#83

Chrysene

Concen: 11.330 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

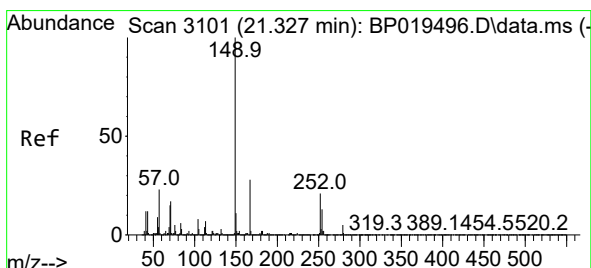
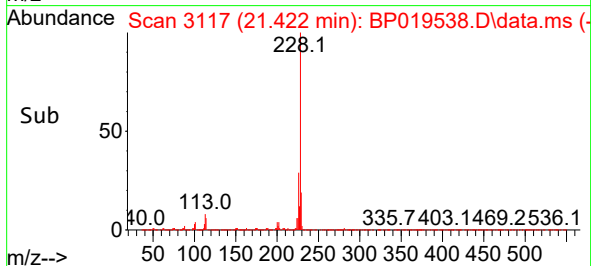
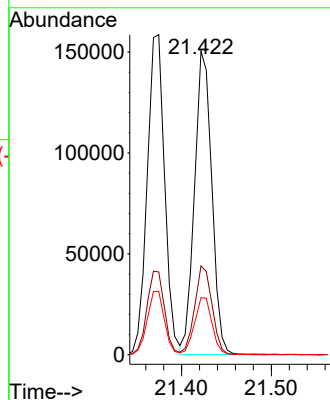
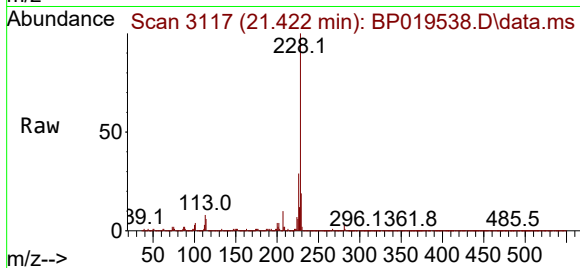
Tgt Ion:228 Resp: 201470

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 18.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.433 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.005 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

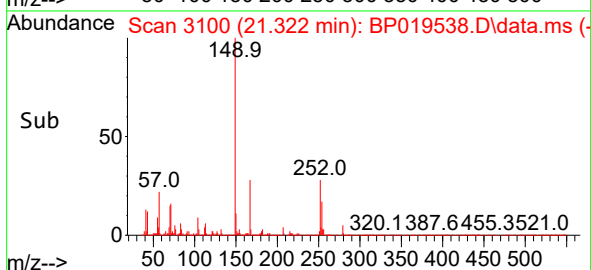
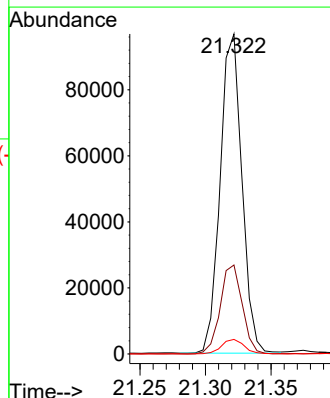
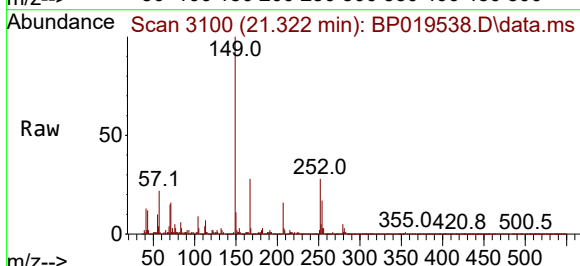
Tgt Ion:149 Resp: 111416

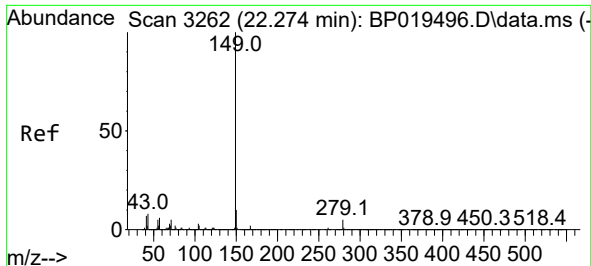
Ion Ratio Lower Upper

149 100

167 27.8 22.7 34.1

279 4.6 4.2 6.2

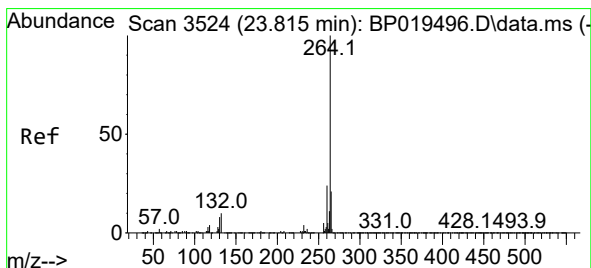
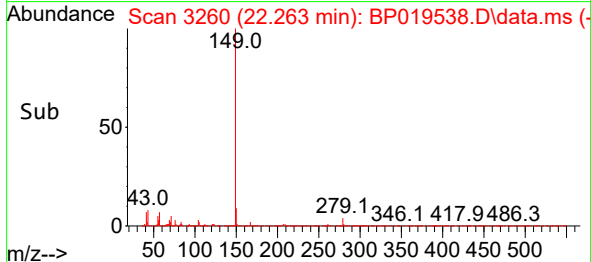
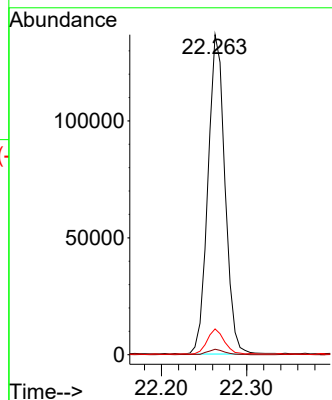
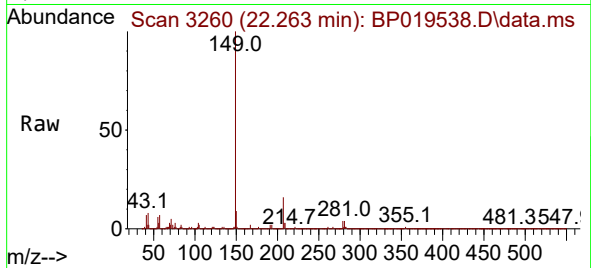




#85
Di-n-octyl phthalate
Concen: 10.079 ng
RT: 22.263 min Scan# 31
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

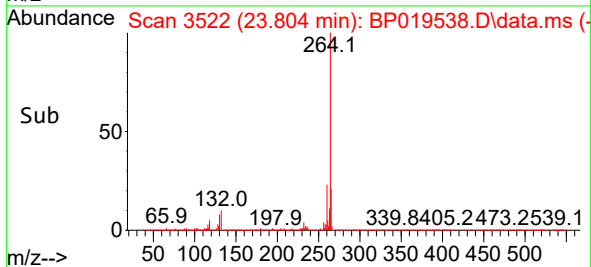
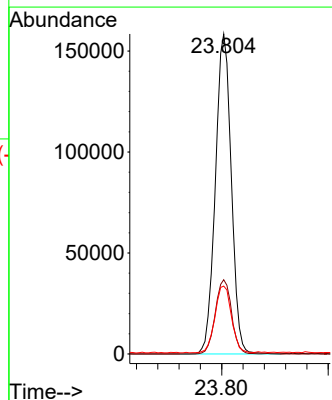
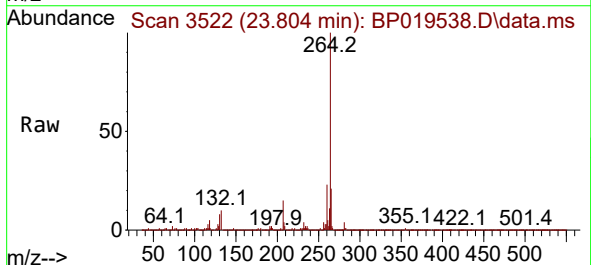
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

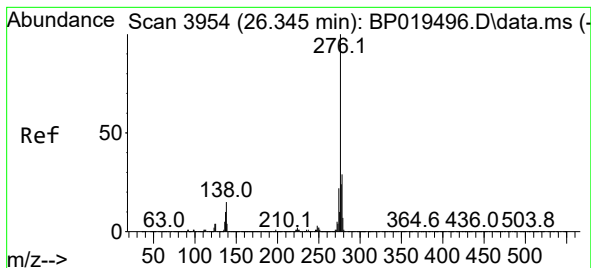
Tgt Ion:149 Resp: 189365
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.1 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.804 min Scan# 3522
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:264 Resp: 327732
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.041 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

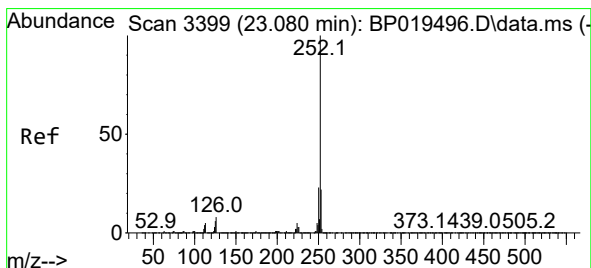
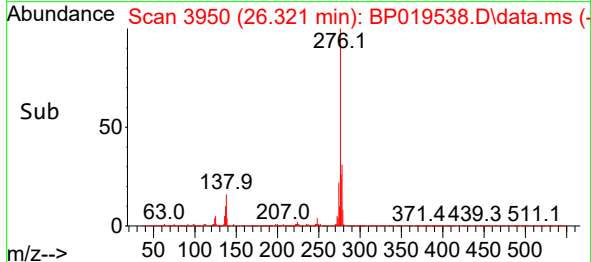
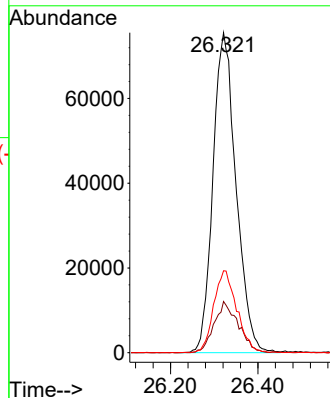
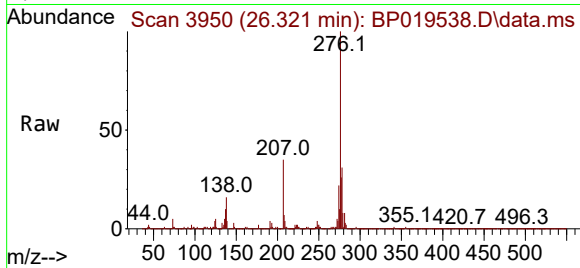
Tgt Ion:276 Resp: 276979

Ion Ratio Lower Upper

276 100

138 16.5 13.1 19.7

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.978 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

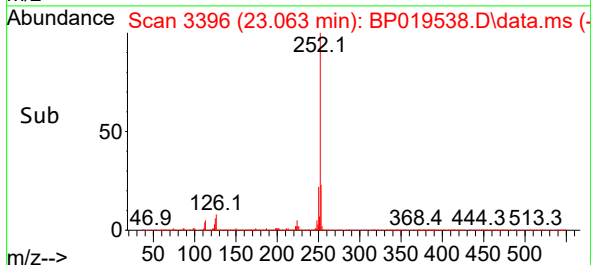
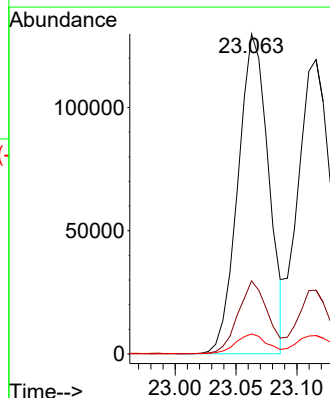
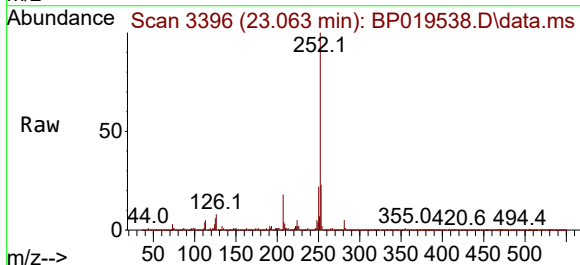
Tgt Ion:252 Resp: 226757

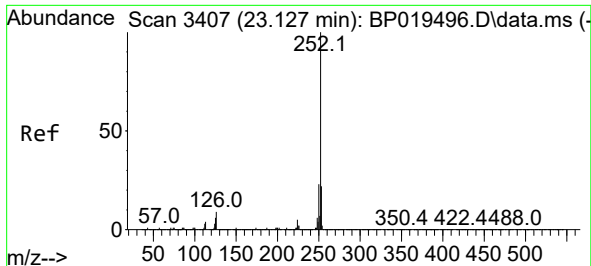
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 6.3 4.9 7.3

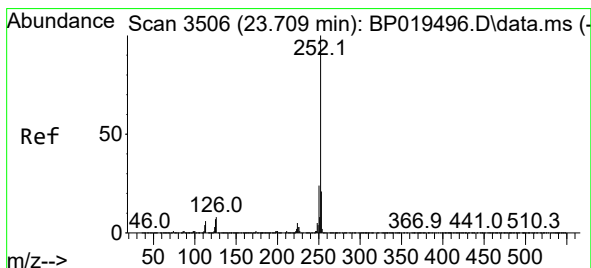
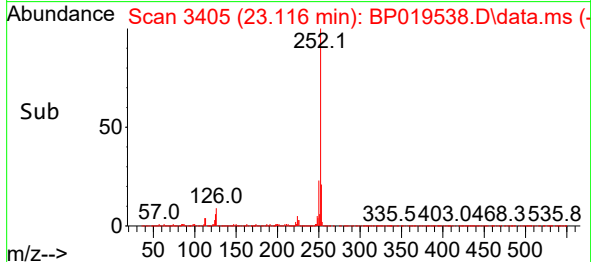
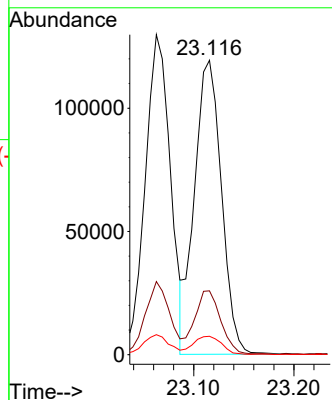
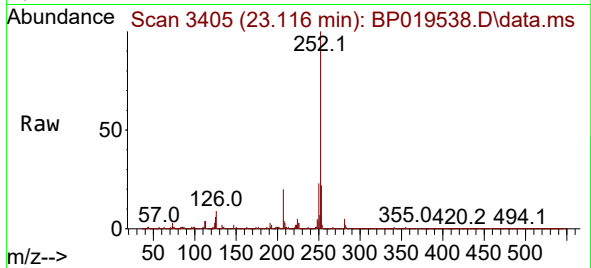




#89
Benzo(k)fluoranthene
Concen: 11.299 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

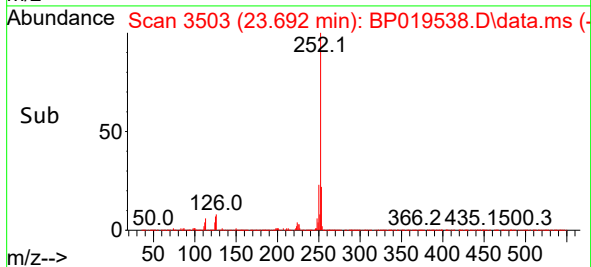
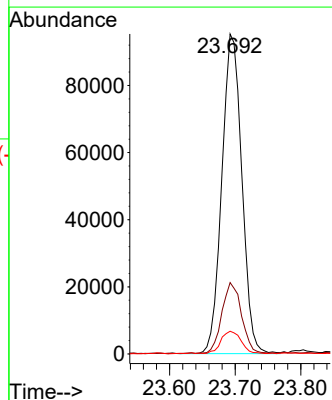
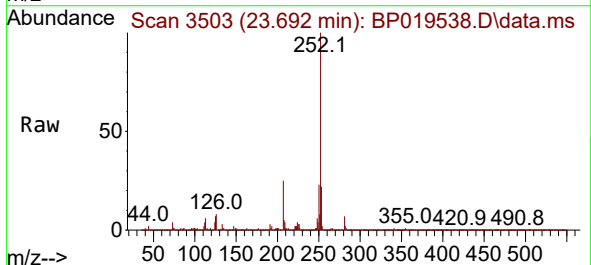
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

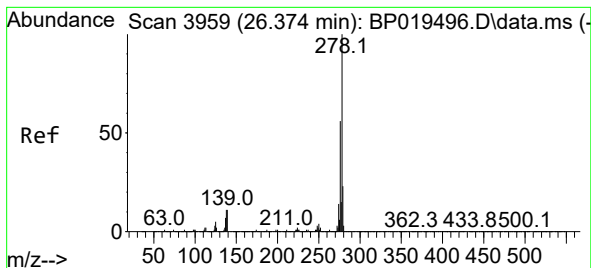
Tgt Ion:252 Resp: 222945
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 6.3 5.0 7.6



#90
Benzo(a)pyrene
Concen: 10.955 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019538.D
Acq: 02 Feb 2024 21:17

Tgt Ion:252 Resp: 201339
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 7.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 11.194 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

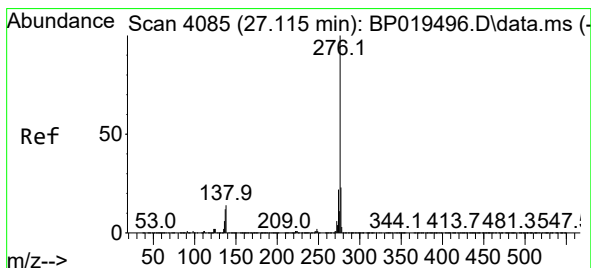
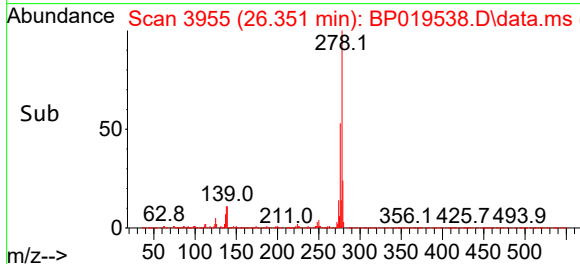
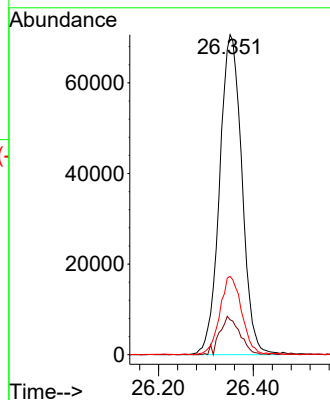
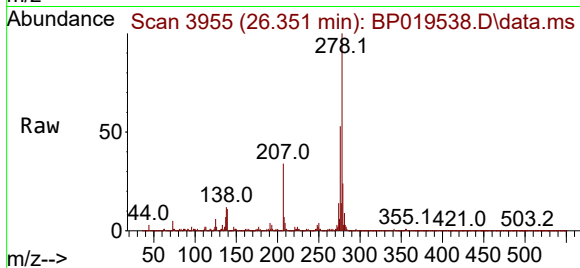
Tgt Ion:278 Resp: 230968

Ion Ratio Lower Upper

278 100

139 10.9 8.6 12.8

279 24.5 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 10.653 ng

RT: 27.092 min Scan# 4081

Delta R.T. -0.023 min

Lab File: BP019538.D

Acq: 02 Feb 2024 21:17

Tgt Ion:276 Resp: 222985

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 13.2 10.9 16.3

