

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020624\
 Data File : BP019571.D
 Acq On : 06 Feb 2024 13:37
 Operator : MA/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 07 01:38:40 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	87943	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	343620	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	206554	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	385769	20.000	ng	0.00
76) Chrysene-d12	21.386	240	351729	20.000	ng	0.00
86) Perylene-d12	23.804	264	472501	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	523220	95.902	ng	0.00
7) Phenol-d6	7.075	99	699753	95.122	ng	-0.01
23) Nitrobenzene-d5	9.081	82	542130	68.364	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	267982	88.858	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1172237	70.159	ng	0.00
79) Terphenyl-d14	19.863	244	1309326	61.219	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	17147	8.157	ng	96
3) Pyridine	3.787	79	36327	6.374	ng	91
4) n-Nitrosodimethylamine	3.711	42	17069	6.880	ng	89
6) Aniline	7.240	93	59442	8.316	ng	96
8) 2-Chlorophenol	7.469	128	38804	6.928	ng	95
9) Benzaldehyde	7.058	77	41991	8.142	ng	99
10) Phenol	7.105	94	51132	6.974	ng	94
11) bis(2-Chloroethyl)ether	7.346	93	40982	7.184	ng	96
12) 1,3-Dichlorobenzene	7.793	146	47667	6.955	ng	98
13) 1,4-Dichlorobenzene	7.946	146	48575	6.995	ng	100
14) 1,2-Dichlorobenzene	8.258	146	46828	6.970	ng	98
15) Benzyl Alcohol	8.158	79	40513	6.893	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.440	45	42283	7.413	ng	99
17) 2-Methylphenol	8.352	107	34188	6.926	ng	98
18) Hexachloroethane	8.981	117	19181	7.126	ng	92
19) n-Nitroso-di-n-propyla...	8.722	70	35368	7.039	ng	98
20) 3+4-Methylphenols	8.681	107	44011	6.533	ng	97
22) Acetophenone	8.740	105	68792	7.027	ng	# 98
24) Nitrobenzene	9.116	77	55664	6.972	ng	98
25) Isophorone	9.640	82	90790	6.574	ng	96
26) 2-Nitrophenol	9.822	139	18650	6.126	ng	92
27) 2,4-Dimethylphenol	9.887	122	30477	7.829	ng	96
28) bis(2-Chloroethoxy)met...	10.134	93	53500	6.847	ng	99
29) 2,4-Dichlorophenol	10.352	162	37995	6.457	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	48771	6.759	ng	94
31) Naphthalene	10.757	128	126463	6.710	ng	99
32) Benzoic acid	9.957	122	15263	4.024	ng	85
33) 4-Chloroaniline	10.881	127	50359	7.226	ng	94
34) Hexachlorobutadiene	11.034	225	35832	6.702	ng	99
35) Caprolactam	11.646	113	8646	5.190	ng	# 86
36) 4-Chloro-3-methylphenol	11.993	107	39895	6.218	ng	96
37) 2-Methylnaphthalene	12.369	142	88239	6.766	ng	99
38) 1-Methylnaphthalene	12.587	142	85841	6.698	ng	96
40) 1,2,4,5-Tetrachloroben...	12.728	216	58103	7.294	ng	99
41) Hexachlorocyclopentadiene	12.704	237	30310	8.423	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	31475	6.525	ng	96

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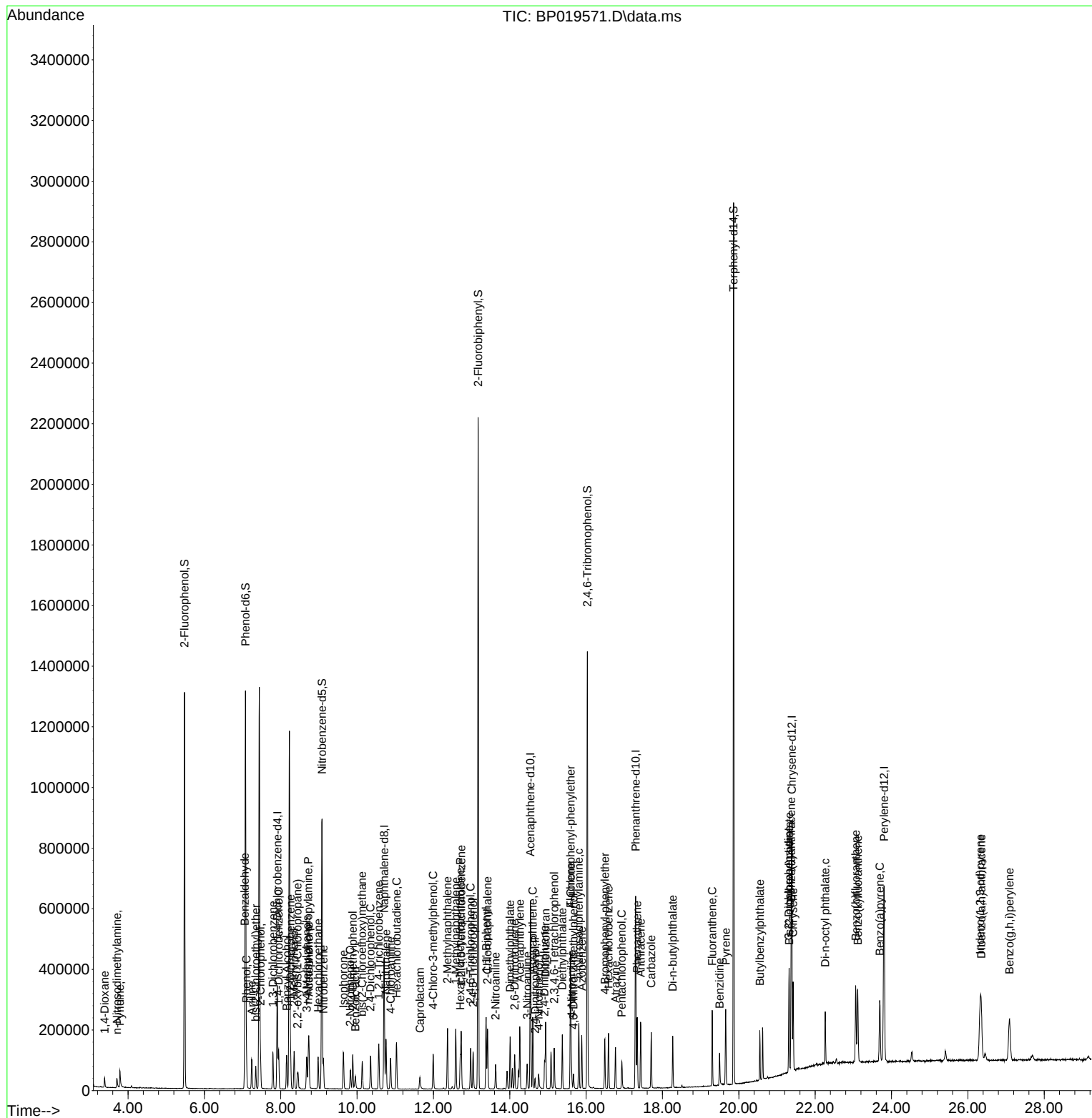
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	32814	6.195	ng	98
46) 1,1'-Biphenyl	13.381	154	120640	7.318	ng	99
47) 2-Chloronaphthalene	13.416	162	95282	7.041	ng	98
48) 2-Nitroaniline	13.628	65	22795	6.024	ng	94
49) Acenaphthylene	14.263	152	140803	7.416	ng	99
50) Dimethylphthalate	14.010	163	103759	6.562	ng	98
51) 2,6-Dinitrotoluene	14.128	165	20792	5.985	ng	98
52) Acenaphthene	14.604	154	82301	6.984	ng	97
53) 3-Nitroaniline	14.457	138	19775	6.194	ng	99
54) 2,4-Dinitrophenol	14.663	184	8303	4.603	ng	96
55) Dibenzofuran	14.940	168	136408	7.107	ng	99
56) 4-Nitrophenol	14.757	139	13072	4.995	ng	91
57) 2,4-Dinitrotoluene	14.910	165	24718	5.429	ng	98
58) Fluorene	15.592	166	102219	6.687	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.163	232	27802	6.240	ng	100
60) Diethylphthalate	15.375	149	95026	6.042	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	58247	6.779	ng	98
62) 4-Nitroaniline	15.616	138	17837	5.330	ng	96
63) Azobenzene	15.887	77	93901	6.174	ng	98
65) 4,6-Dinitro-2-methylph...	15.669	198	11343	5.157	ng	96
66) n-Nitrosodiphenylamine	15.810	169	83068	7.190	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	32537	6.747	ng	97
68) Hexachlorobenzene	16.587	284	39075	6.938	ng	98
69) Atrazine	16.769	200	26854	7.005	ng	98
70) Pentachlorophenol	16.934	266	17879	5.098	ng	96
71) Phenanthrene	17.339	178	143785	7.082	ng	98
72) Anthracene	17.428	178	137640	6.796	ng	100
73) Carbazole	17.704	167	112543	6.117	ng	100
74) Di-n-butylphthalate	18.269	149	114768	5.159	ng	99
75) Fluoranthene	19.304	202	145751	5.877	ng	99
77) Benzidine	19.498	184	67173	9.135	ng	97
78) Pyrene	19.657	202	152471	6.142	ng	100
80) Butylbenzylphthalate	20.551	149	44063	4.753	ng	99
81) Benzo(a)anthracene	21.369	228	170356	6.881	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	60828	6.742	ng	100
83) Chrysene	21.422	228	155117	6.599	ng	98
84) Bis(2-ethylhexyl)phtha...	21.322	149	71457	5.062	ng	100
85) Di-n-octyl phthalate	22.263	149	126556	5.096	ng	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	243729	6.739	ng	100
88) Benzo(b)fluoranthene	23.063	252	186587	6.266	ng	99
89) Benzo(k)fluoranthene	23.116	252	181908	6.395	ng	99
90) Benzo(a)pyrene	23.692	252	168737	6.368	ng	99
91) Dibenzo(a,h)anthracene	26.351	278	202075	6.793	ng	98
92) Benzo(g,h,i)perylene	27.092	276	197169	6.533	ng	97

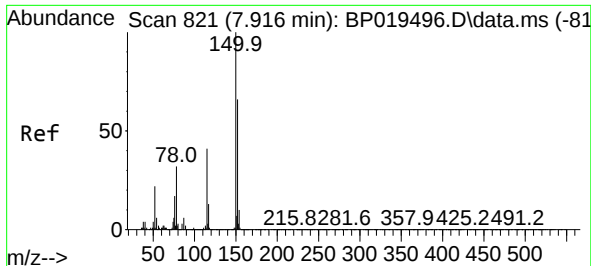
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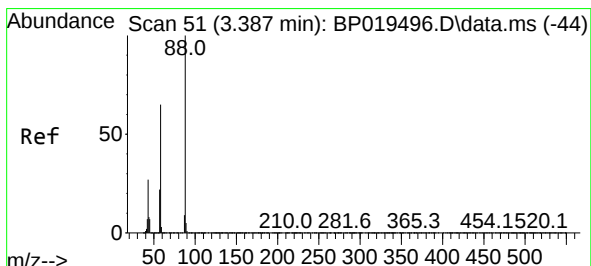
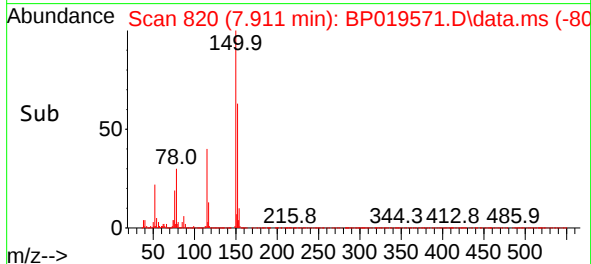
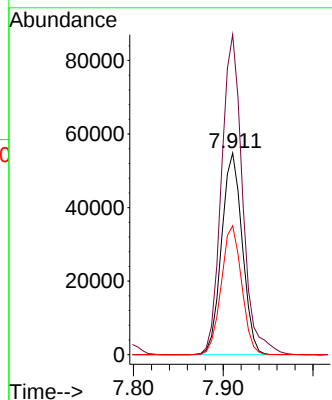
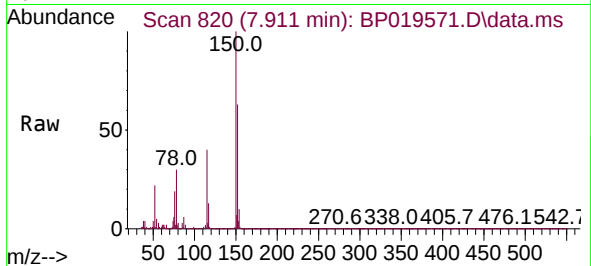




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

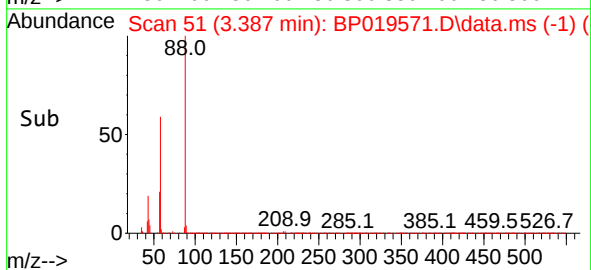
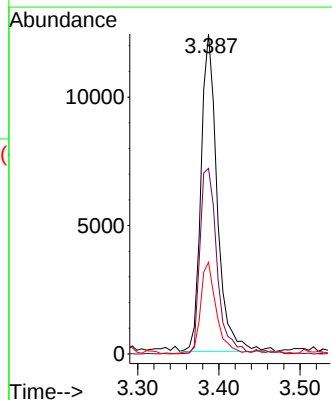
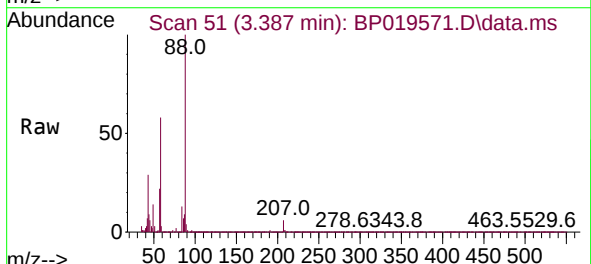
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BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

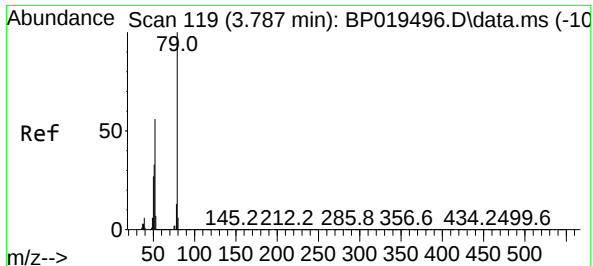
Tgt Ion:152 Resp: 87943
Ion Ratio Lower Upper
152 100
150 158.7 121.8 182.8
115 64.0 49.9 74.9



#2
1,4-Dioxane
Concen: 8.157 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 88 Resp: 17147
Ion Ratio Lower Upper
88 100
58 61.7 52.6 78.8
43 28.0 21.9 32.9





#3

Pyridine

Concen: 6.374 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

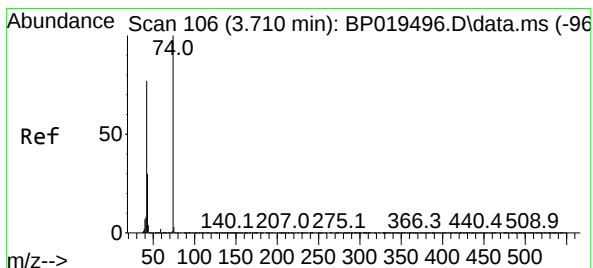
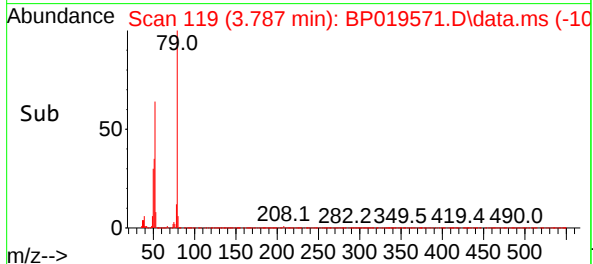
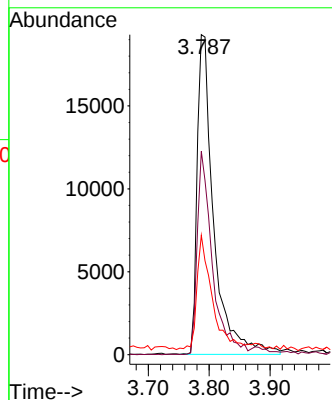
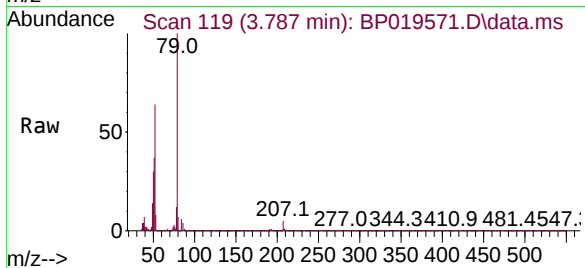
Tgt Ion: 79 Resp: 36327

Ion Ratio Lower Upper

79 100

52 63.6 45.0 67.6

51 37.3 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 6.880 ng

RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

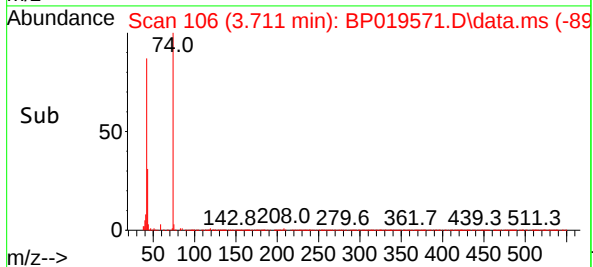
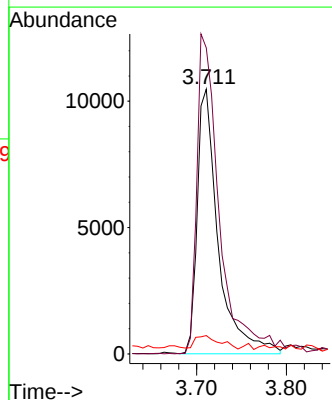
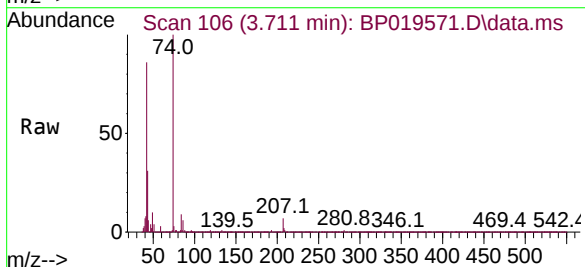
Tgt Ion: 42 Resp: 17069

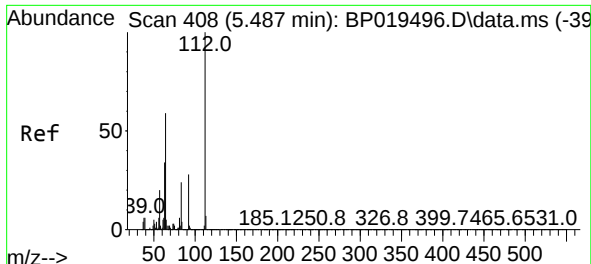
Ion Ratio Lower Upper

42 100

74 115.6 103.4 155.2

44 7.0 4.8 7.2

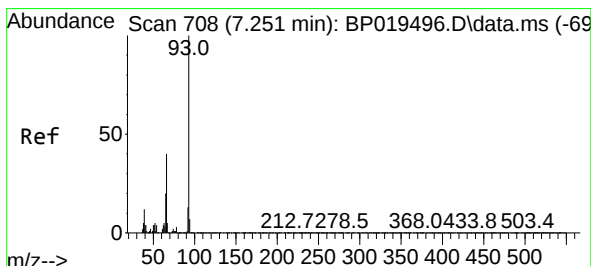
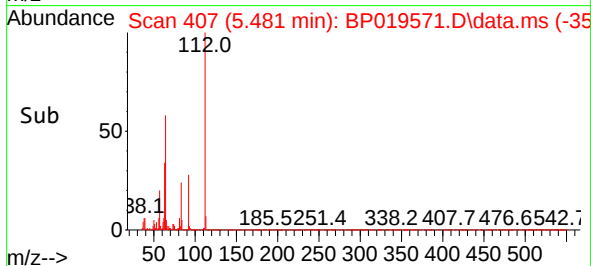
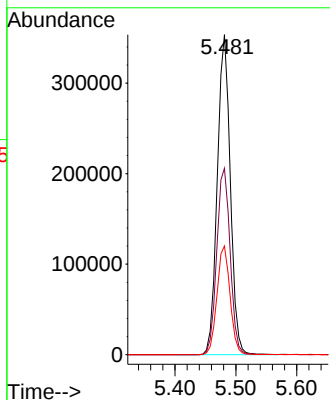
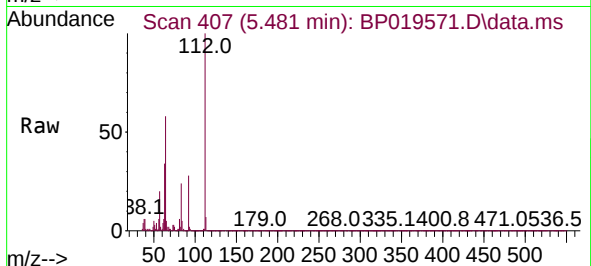




#5
2-Fluorophenol
Concen: 95.902 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019571.D
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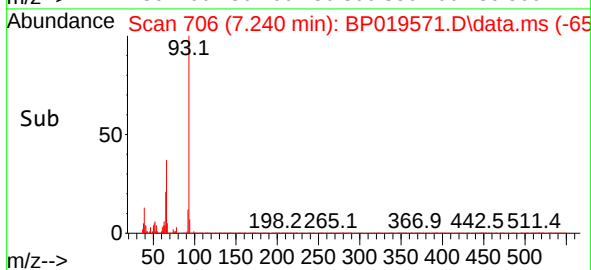
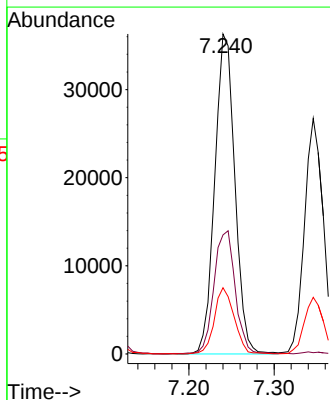
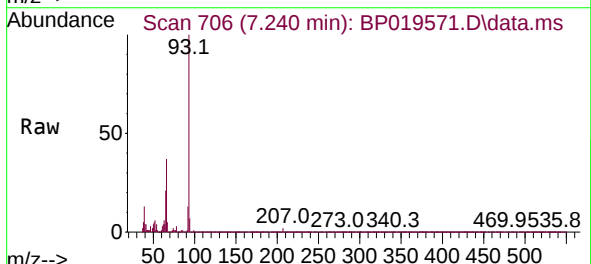
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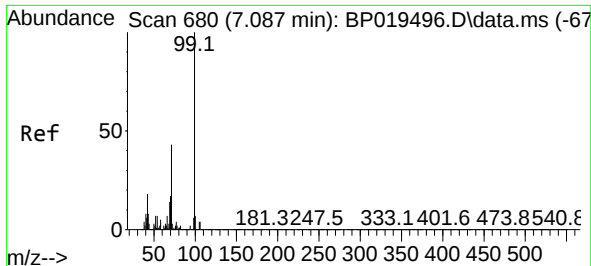
Tgt Ion:112 Resp: 523220
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 33.9 27.0 40.6



#6
Aniline
Concen: 8.316 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 93 Resp: 59442
Ion Ratio Lower Upper
93 100
66 37.2 32.3 48.5
65 20.7 16.4 24.6





#7

Phenol-d6

Concen: 95.122 ng

RT: 7.075 min Scan# 61

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

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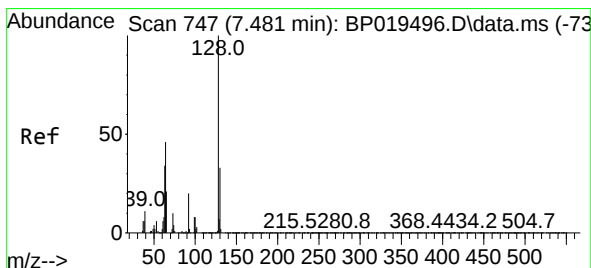
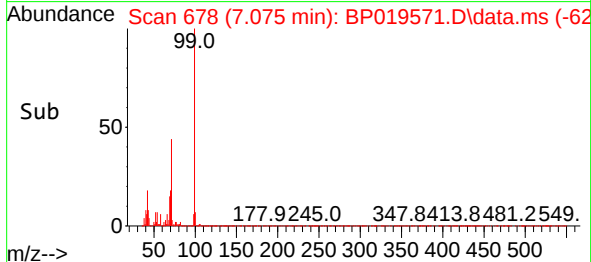
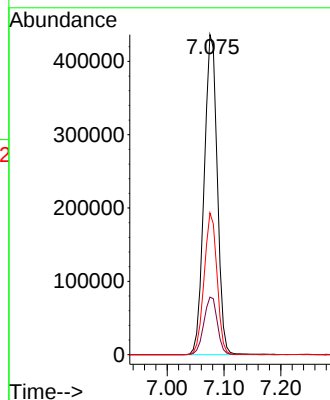
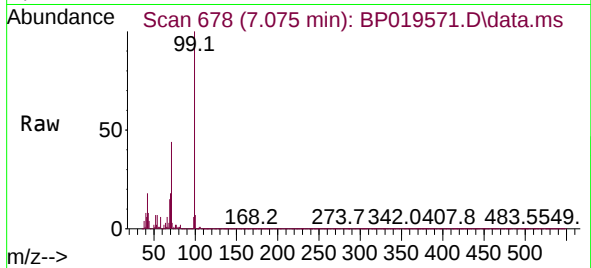
Tgt Ion: 99 Resp: 699753

Ion Ratio Lower Upper

99 100

42 18.0 14.7 22.1

71 44.3 34.8 52.2



#8

2-Chlorophenol

Concen: 6.928 ng

RT: 7.469 min Scan# 745

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

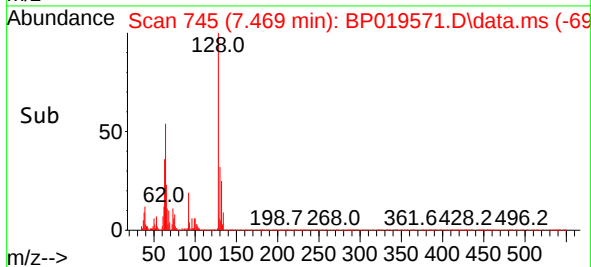
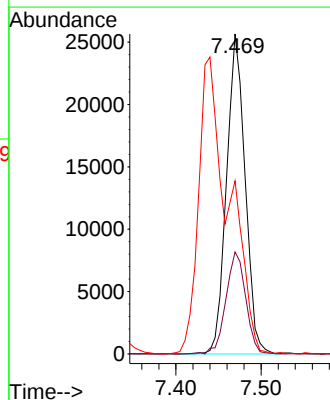
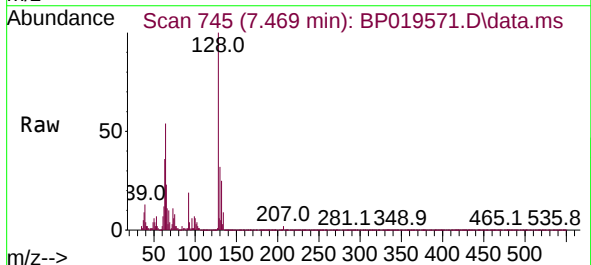
Tgt Ion:128 Resp: 38804

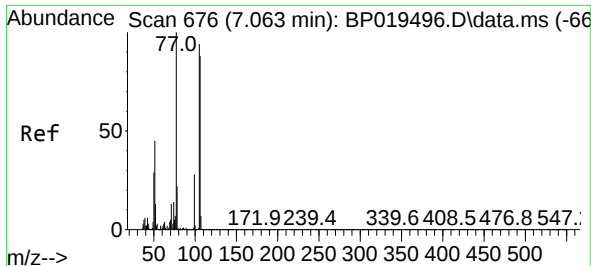
Ion Ratio Lower Upper

128 100

130 31.9 13.3 53.3

64 54.1 29.7 69.7

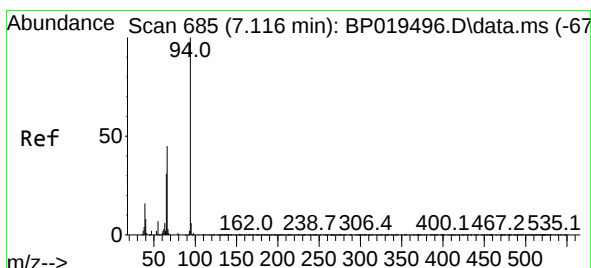
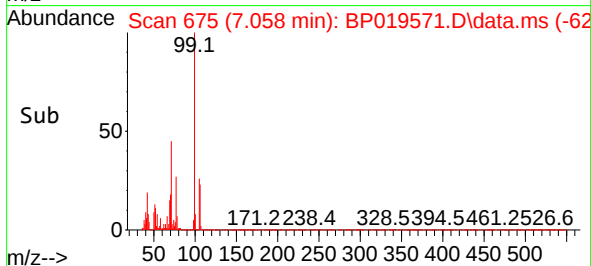
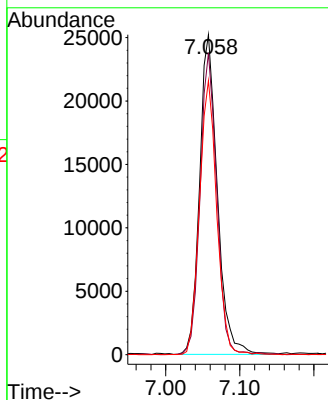
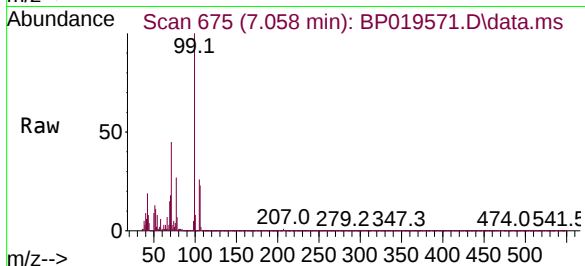




#9
Benzaldehyde
Concen: 8.142 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
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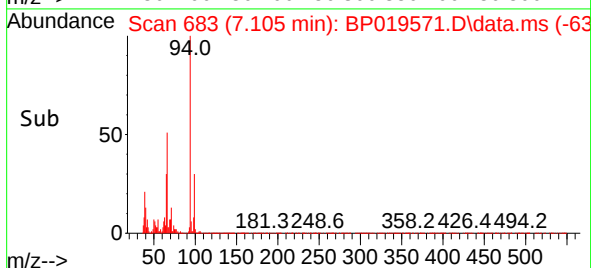
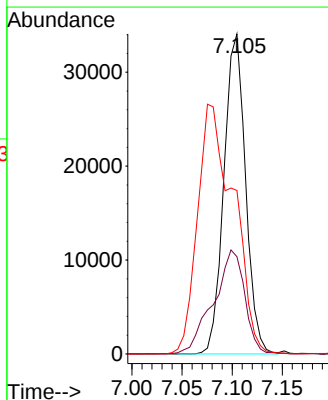
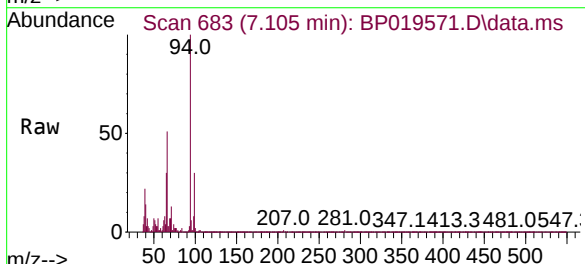
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ClientSampleId :
MDL-SOIL-03-QT1-2024

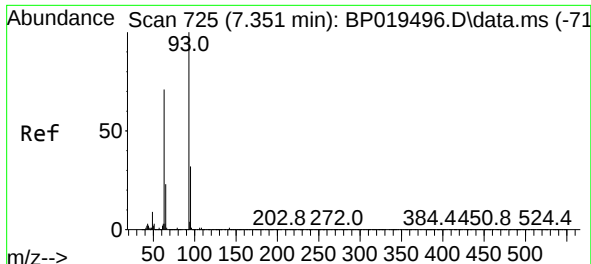
Tgt Ion: 77 Resp: 41991
Ion Ratio Lower Upper
77 100
105 94.3 74.0 114.0
106 85.7 67.8 107.8



#10
Phenol
Concen: 6.974 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 94 Resp: 51132
Ion Ratio Lower Upper
94 100
65 30.4 11.3 51.3
66 51.1 25.1 65.1

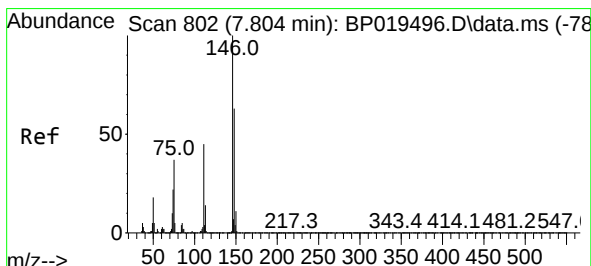
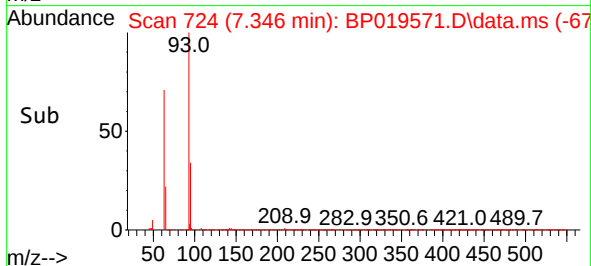
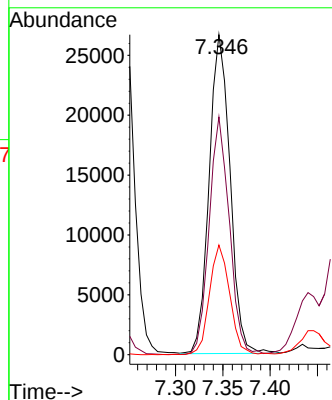
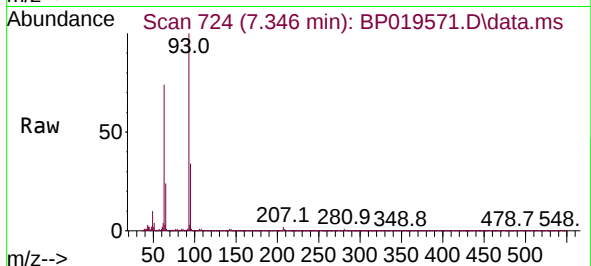




#11
bis(2-Chloroethyl)ether
Concen: 7.184 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

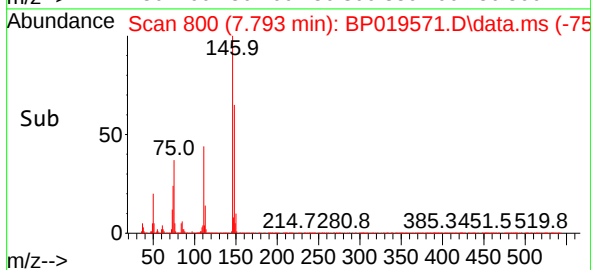
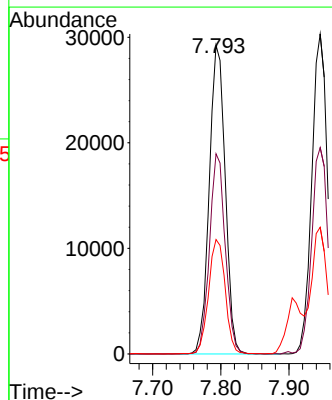
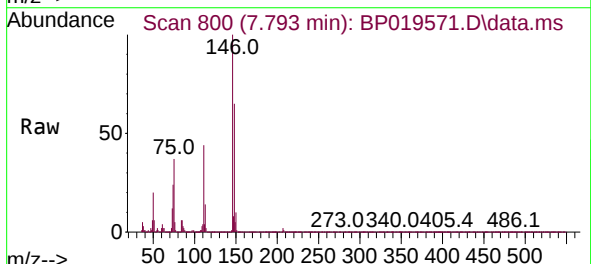
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

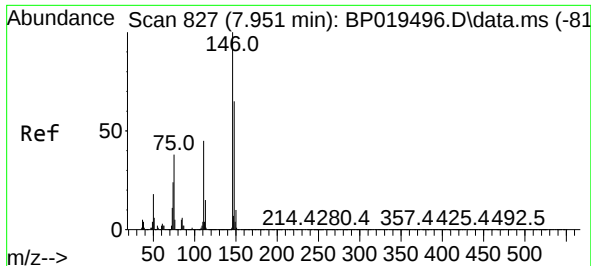
Tgt Ion: 93 Resp: 40982
Ion Ratio Lower Upper
93 100
63 74.3 51.2 91.2
95 34.2 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 6.955 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 146 Resp: 47667
Ion Ratio Lower Upper
146 100
148 64.9 50.4 75.6
75 37.1 29.9 44.9

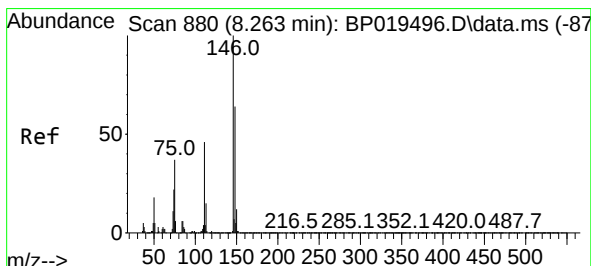
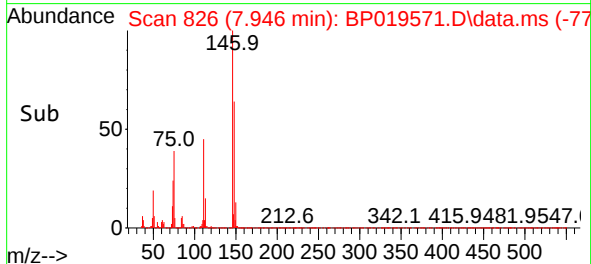
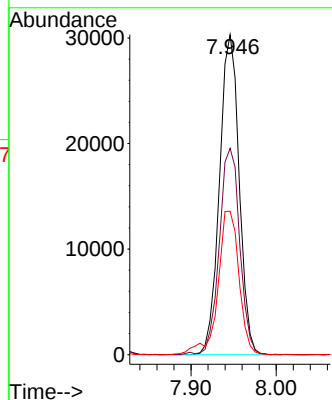
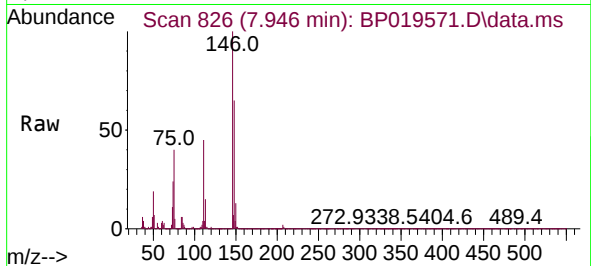




#13
1,4-Dichlorobenzene
Concen: 6.995 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

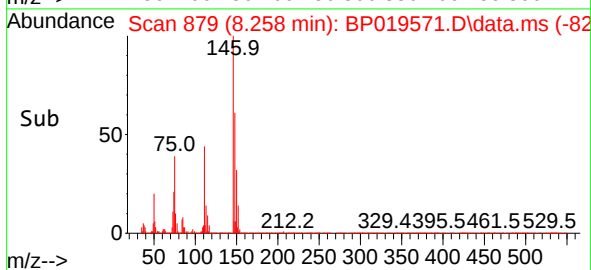
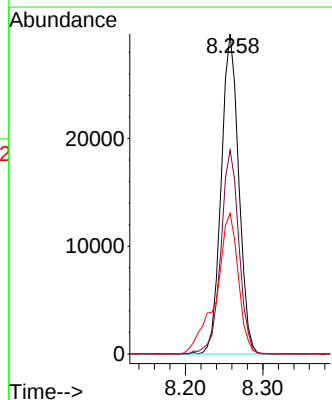
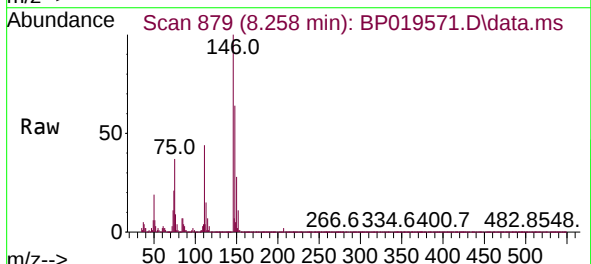
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

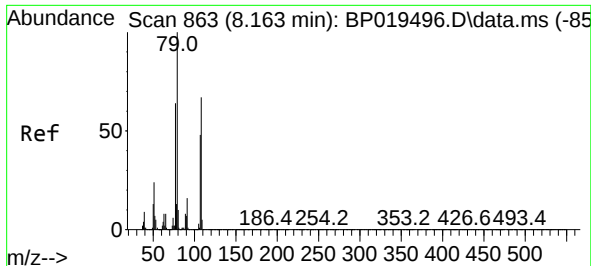
Tgt Ion:146 Resp: 48575
Ion Ratio Lower Upper
146 100
148 64.5 51.9 77.9
111 44.9 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 6.970 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:146 Resp: 46828
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.0
111 43.9 37.0 55.6

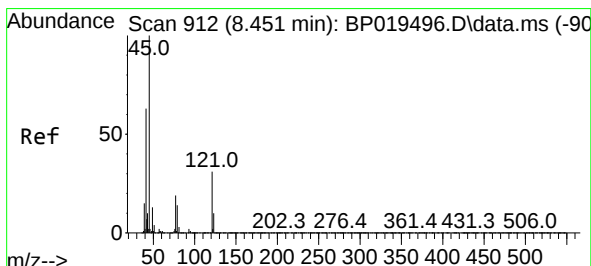
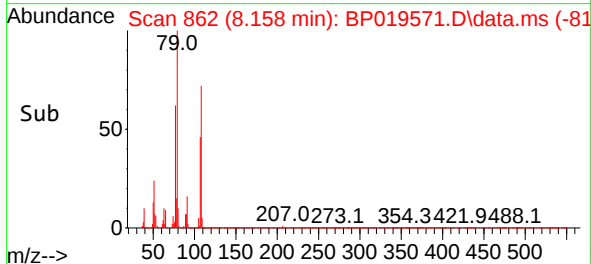
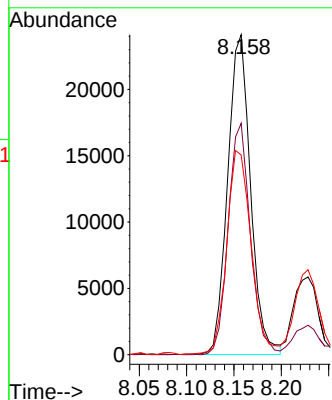
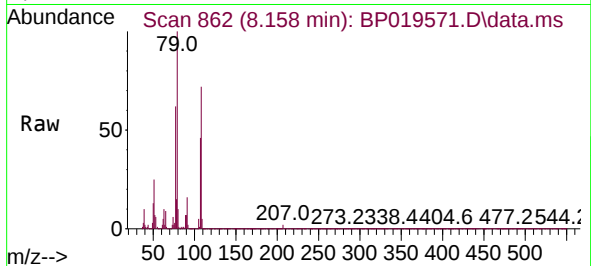




#15
Benzyl Alcohol
Concen: 6.893 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

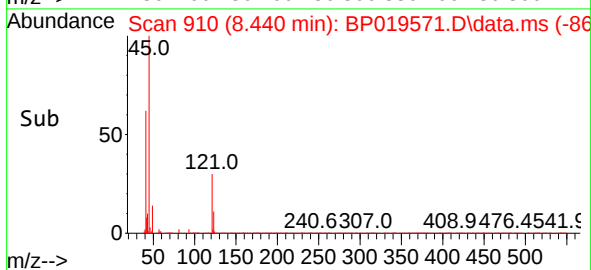
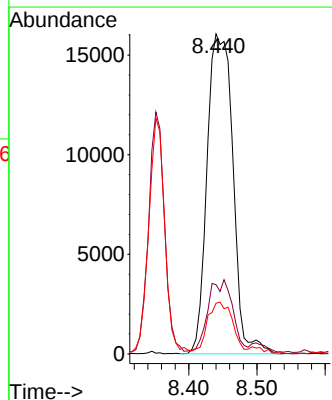
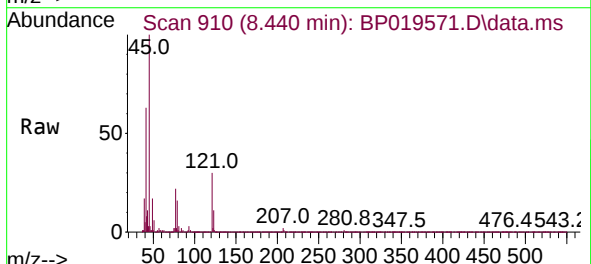
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

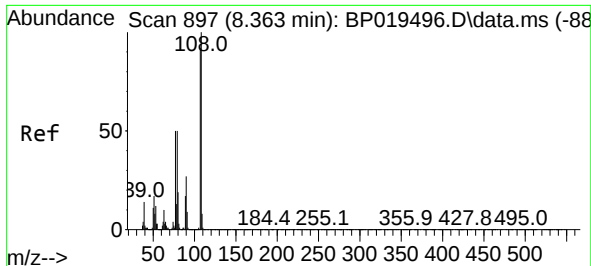
Tgt Ion: 79	Resp: 40513
Ion Ratio	Lower Upper
79	100
108	72.3 53.8 80.6
77	62.4 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.413 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 45	Resp: 42283
Ion Ratio	Lower Upper
45	100
77	21.7 0.8 40.8
79	15.9 0.0 35.5





#17

2-Methylphenol

Concen: 6.926 ng

RT: 8.352 min Scan# 89

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:107 Resp: 34188

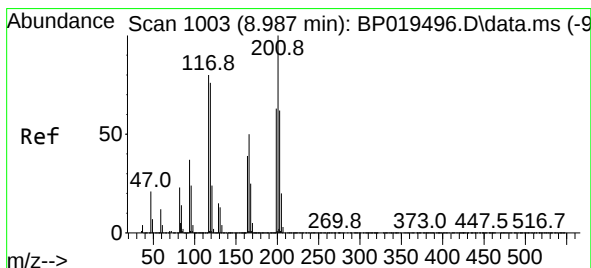
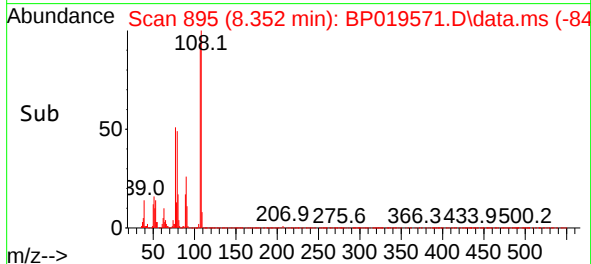
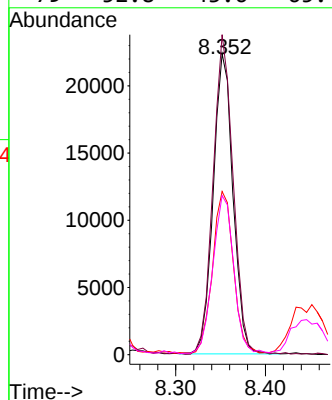
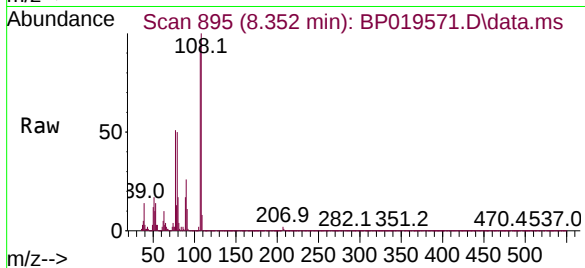
Ion Ratio Lower Upper

107 100

108 106.3 87.0 130.6

77 54.2 43.5 65.3

79 52.8 43.6 65.4



#18

Hexachloroethane

Concen: 7.126 ng

RT: 8.981 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

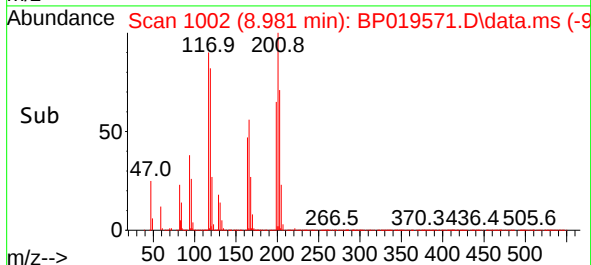
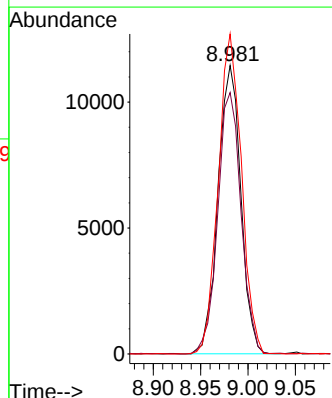
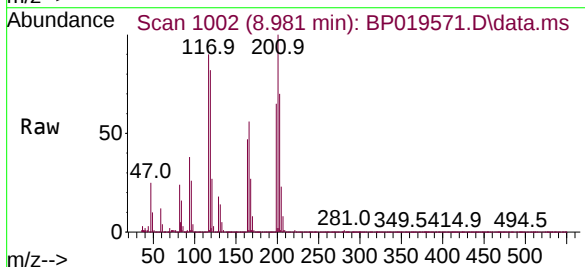
Tgt Ion:117 Resp: 19181

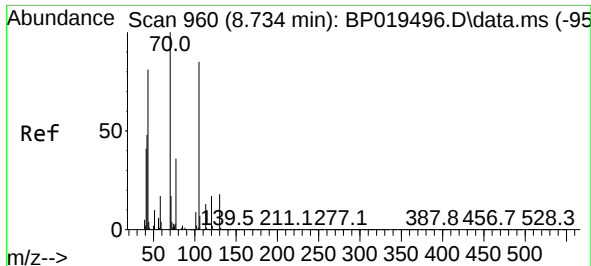
Ion Ratio Lower Upper

117 100

119 90.7 75.5 113.3

201 110.9 99.4 149.2

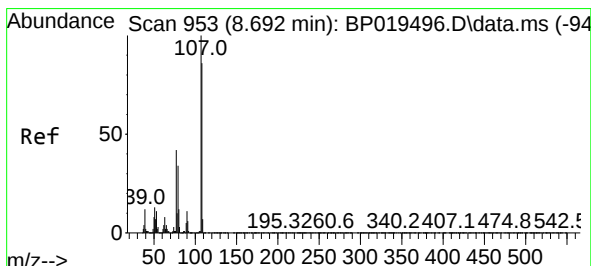
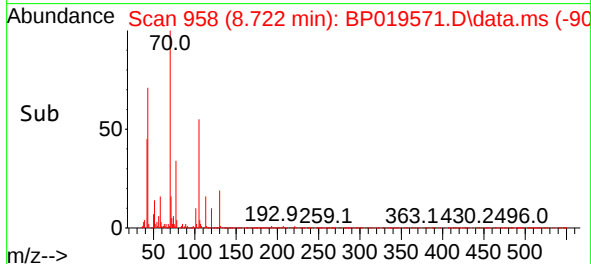
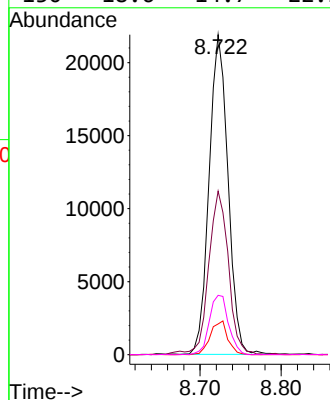
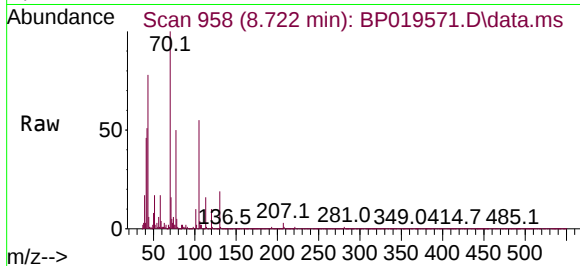




#19
n-Nitroso-di-n-propylamine
Concen: 7.039 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

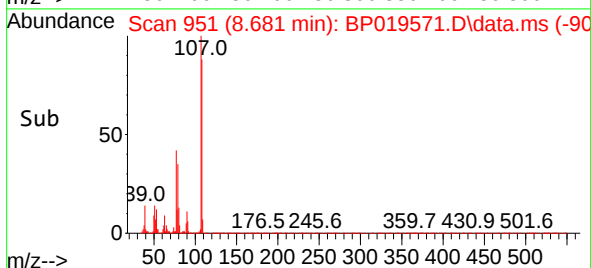
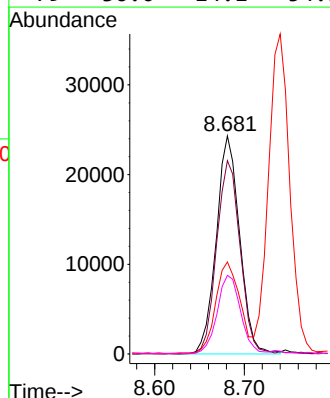
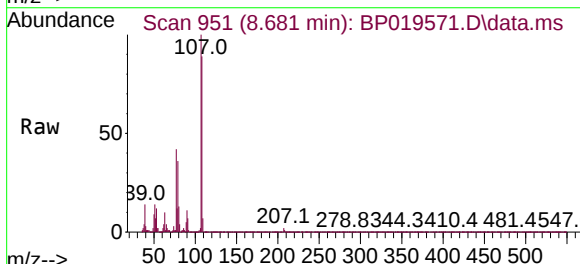
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

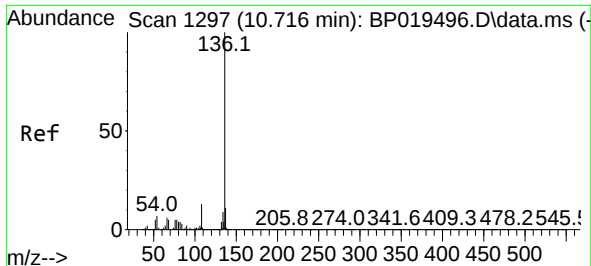
Tgt Ion:	70	Resp:	35368
Ion	Ratio	Lower	Upper
70	100		
42	51.1	39.2	58.8
101	9.6	7.3	10.9
130	18.6	14.7	22.1



#20
3+4-Methylphenols
Concen: 6.533 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:	107	Resp:	44011
Ion	Ratio	Lower	Upper
107	100		
108	88.6	65.5	105.5
77	42.2	21.8	61.8
79	36.0	14.1	54.1

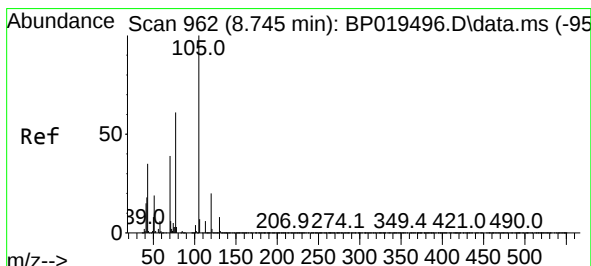
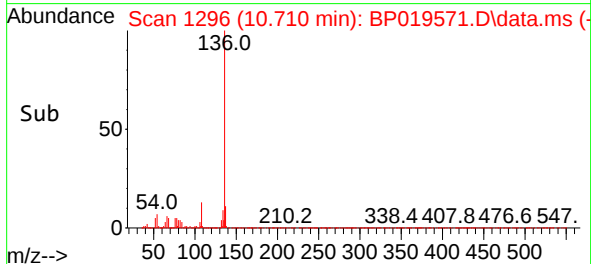
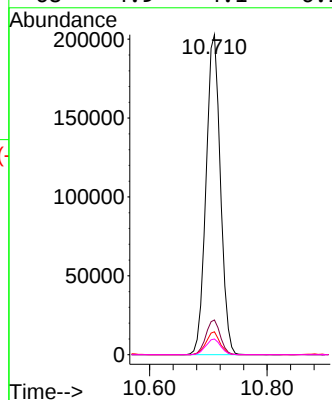
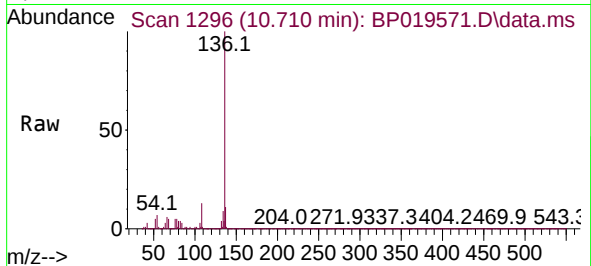




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

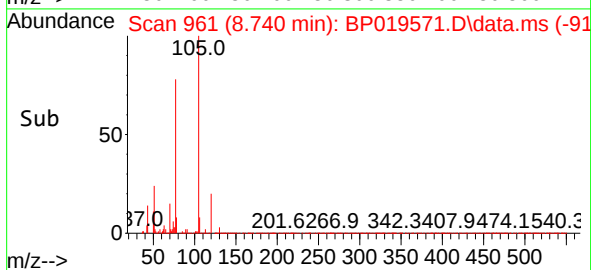
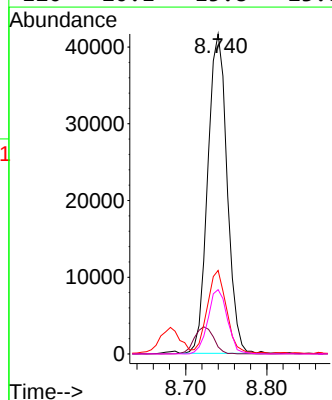
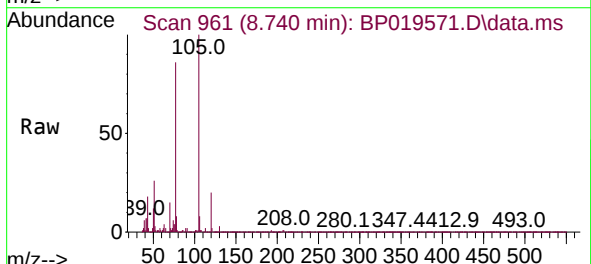
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

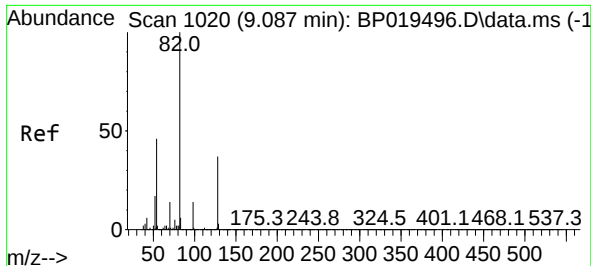
Tgt Ion:	136	Resp:	343620
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.2	5.3	7.9
68	4.9	4.1	6.1



#22
Acetophenone
Concen: 7.027 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:	105	Resp:	68792
Ion	Ratio	Lower	Upper
105	100		
71	2.2	4.9	7.3#
51	26.1	20.7	31.1
120	20.1	15.8	23.8

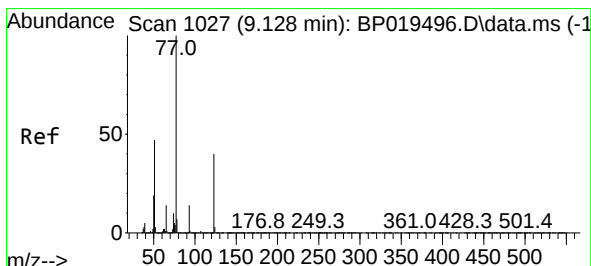
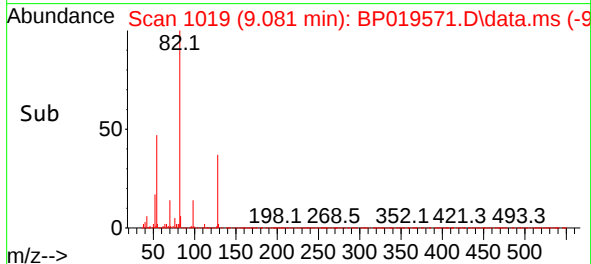
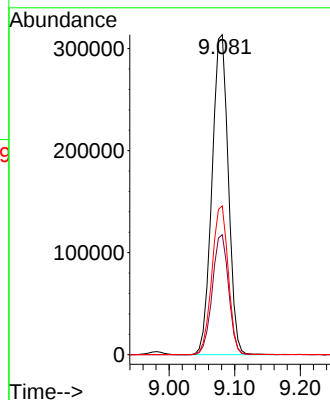
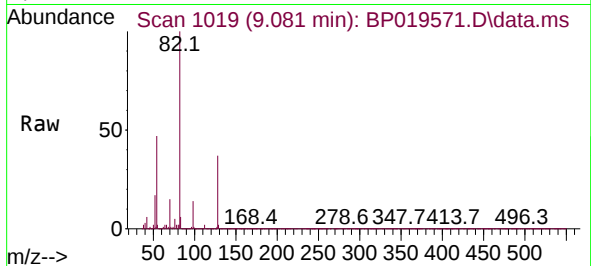




#23
Nitrobenzene-d5
Concen: 68.364 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

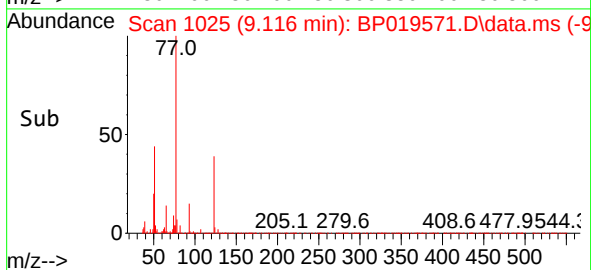
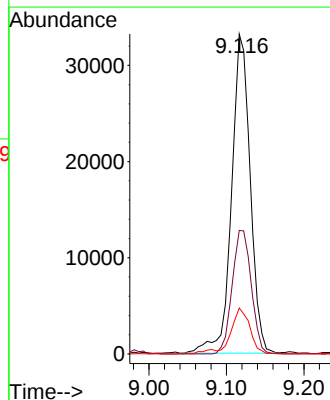
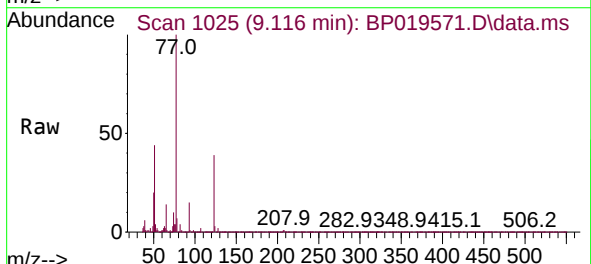
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

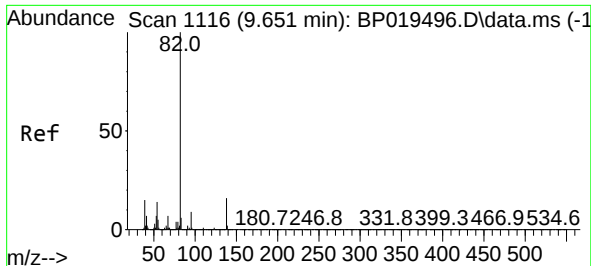
Tgt Ion: 82 Resp: 542130
Ion Ratio Lower Upper
82 100
128 37.5 29.7 44.5
54 46.5 36.8 55.2



#24
Nitrobenzene
Concen: 6.972 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 77 Resp: 55664
Ion Ratio Lower Upper
77 100
123 38.6 32.3 48.5
65 14.3 11.6 17.4

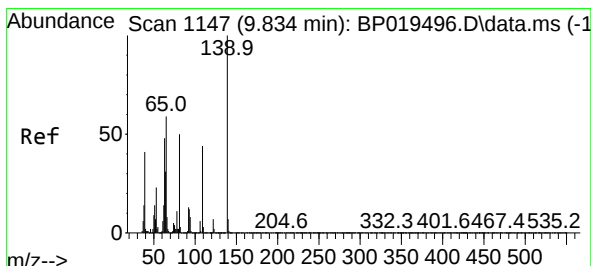
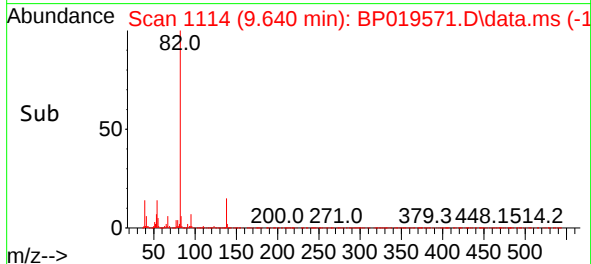
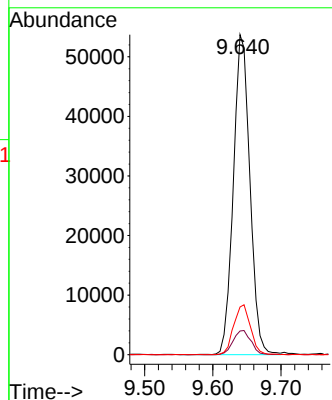
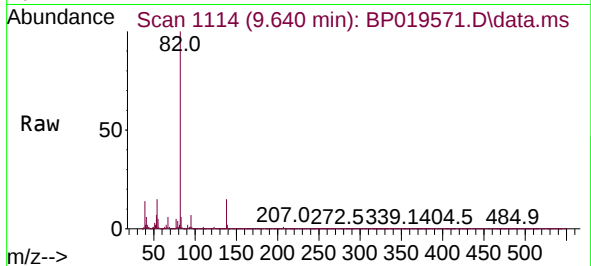




#25
Isophorone
Concen: 6.574 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

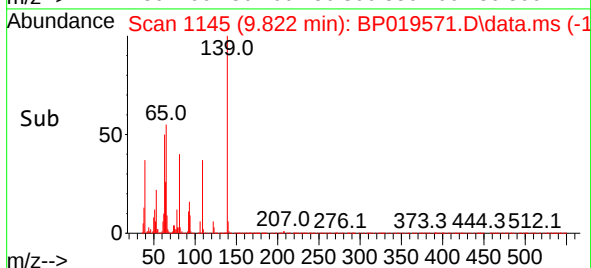
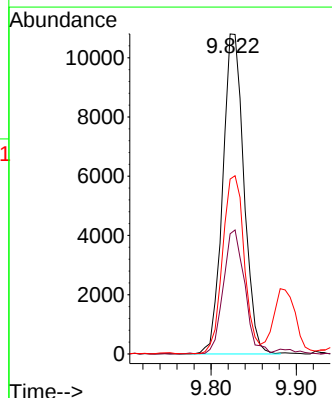
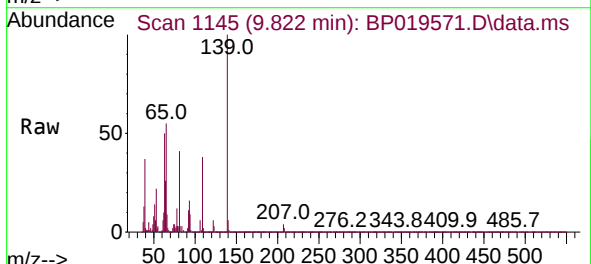
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BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

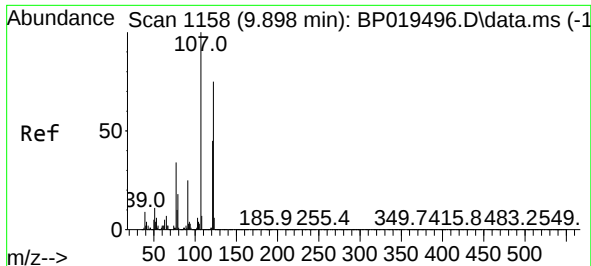
Tgt Ion: 82 Resp: 90790
Ion Ratio Lower Upper
82 100
95 7.4 7.0 10.4
138 14.9 13.1 19.7



#26
2-Nitrophenol
Concen: 6.126 ng
RT: 9.822 min Scan# 1145
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 139 Resp: 18650
Ion Ratio Lower Upper
139 100
109 37.5 34.9 52.3
65 54.6 47.5 71.3

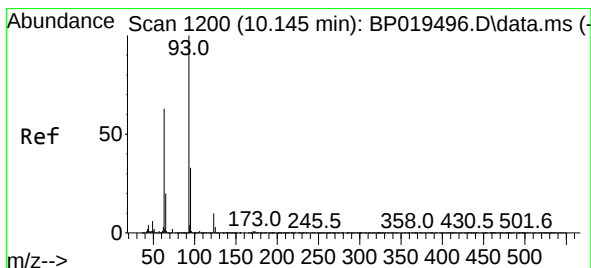
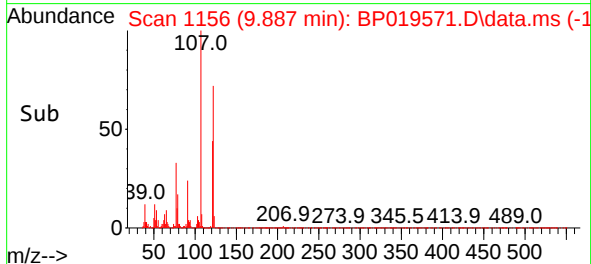
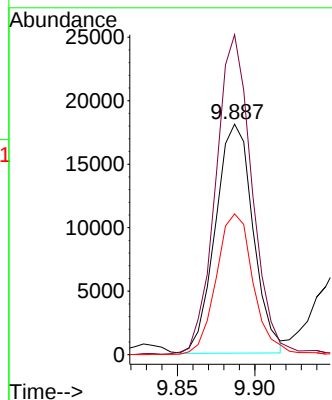
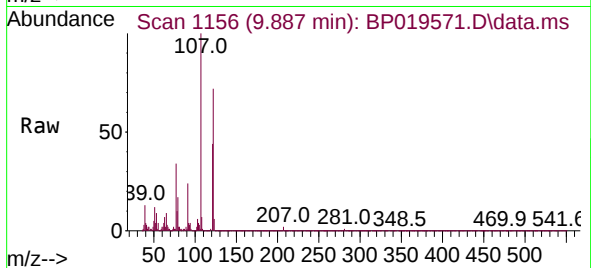




#27
2,4-Dimethylphenol
Concen: 7.829 ng
RT: 9.887 min Scan# 1158
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

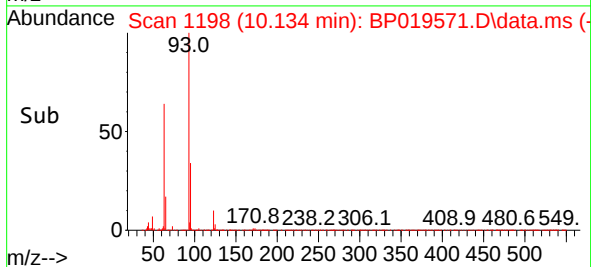
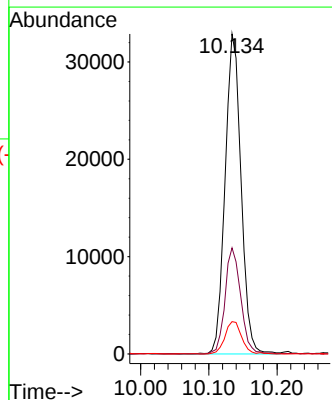
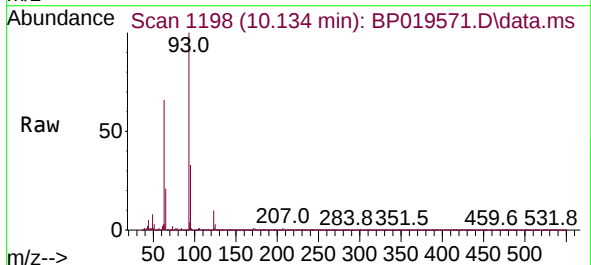
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

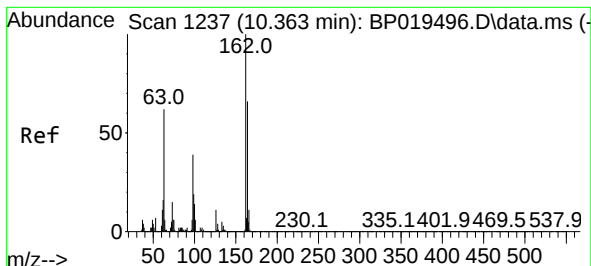
Tgt Ion:122 Resp: 30477
Ion Ratio Lower Upper
122 100
107 138.8 105.9 158.9
121 61.1 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 6.847 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion: 93 Resp: 53500
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.4
123 10.1 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 6.457 ng

RT: 10.352 min Scan# 1235

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

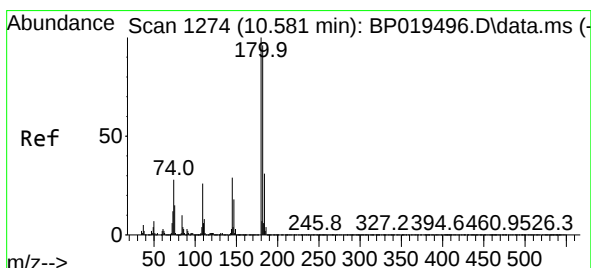
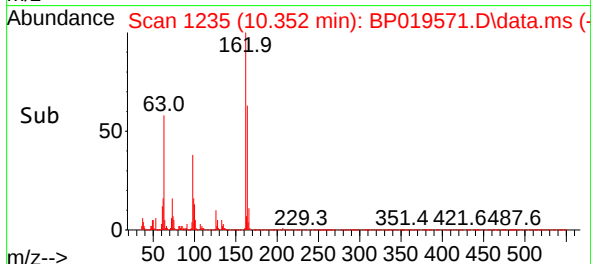
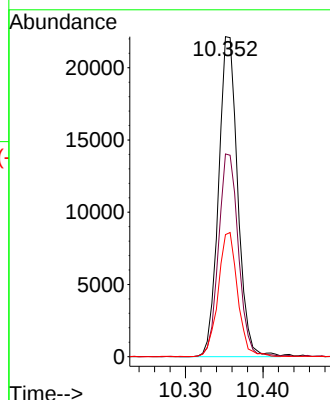
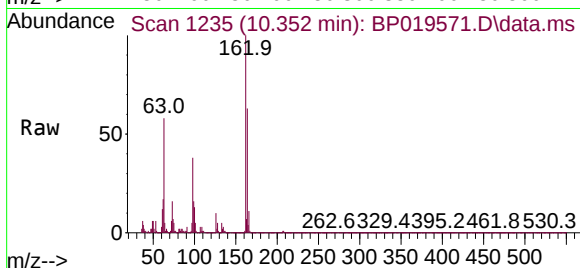
Tgt Ion:162 Resp: 37995

Ion Ratio Lower Upper

162 100

164 63.4 46.0 86.0

98 38.2 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 6.759 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

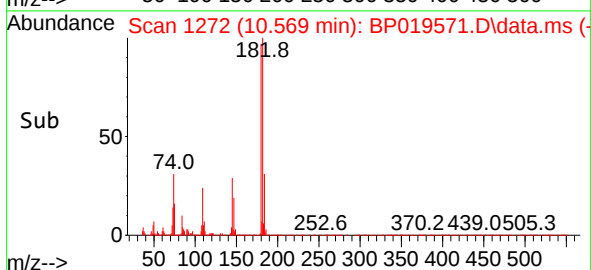
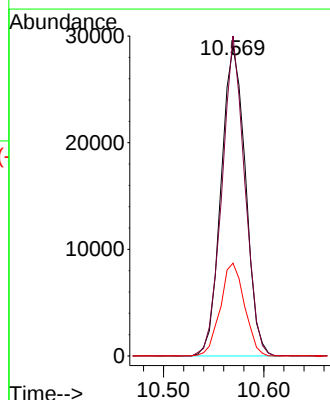
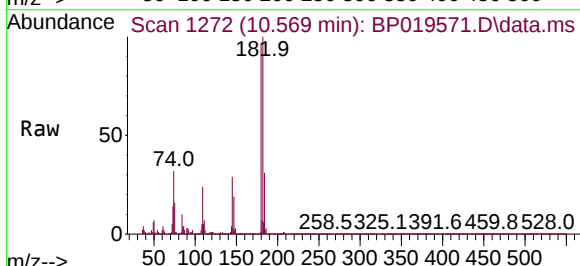
Tgt Ion:180 Resp: 48771

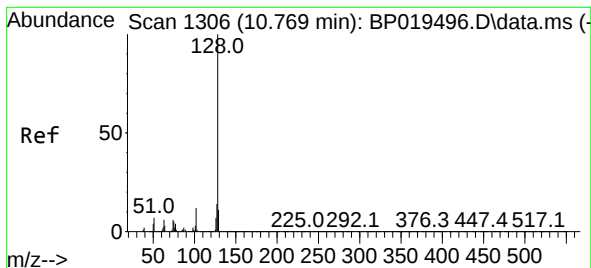
Ion Ratio Lower Upper

180 100

182 103.4 77.0 115.6

145 30.0 23.2 34.8





#31

Naphthalene

Concen: 6.710 ng

RT: 10.757 min Scan# 1168

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

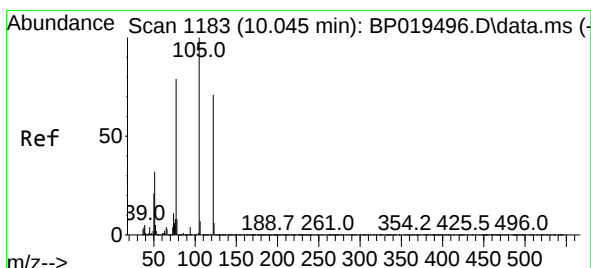
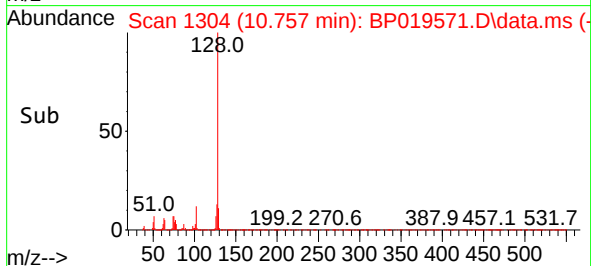
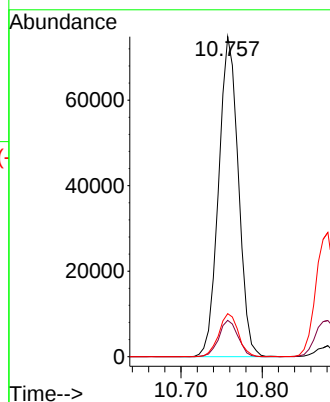
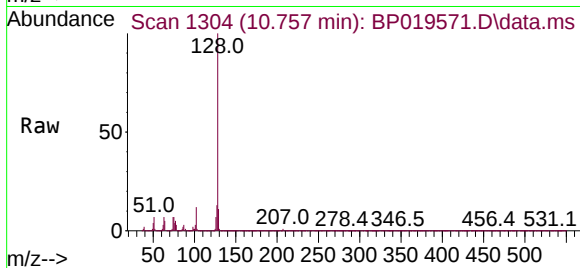
Tgt Ion:128 Resp: 126463

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 4.024 ng

RT: 9.957 min Scan# 1168

Delta R.T. -0.088 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

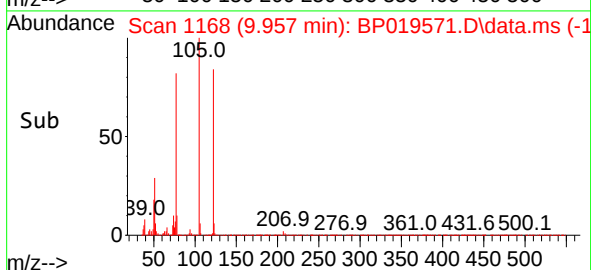
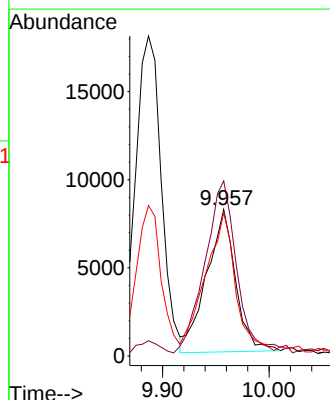
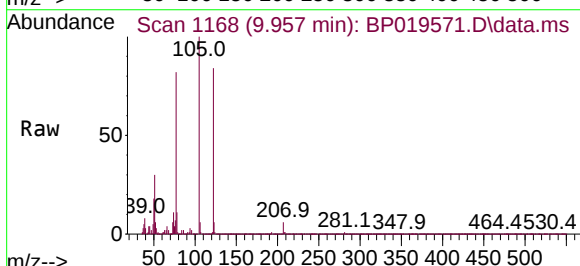
Tgt Ion:122 Resp: 15263

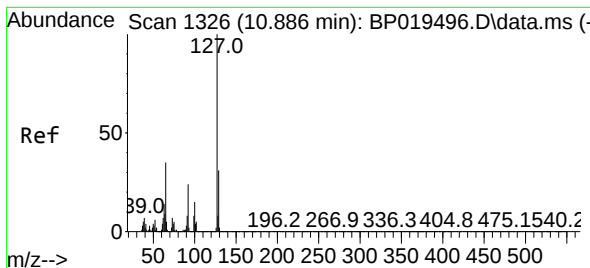
Ion Ratio Lower Upper

122 100

105 119.6 118.8 158.8

77 97.8 91.7 131.7





#33

4-Chloroaniline

Concen: 7.226 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:127 Resp: 50359

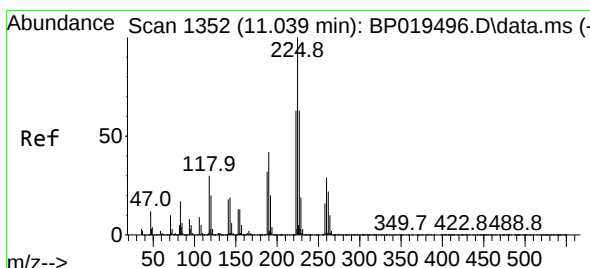
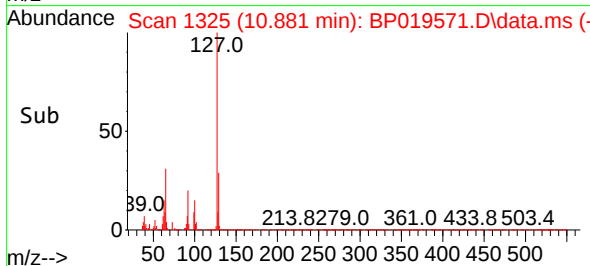
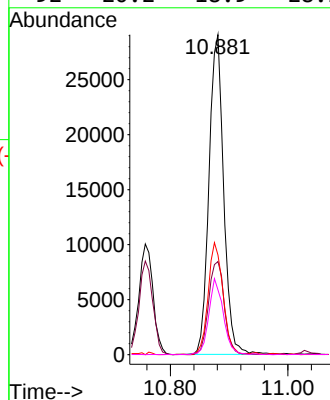
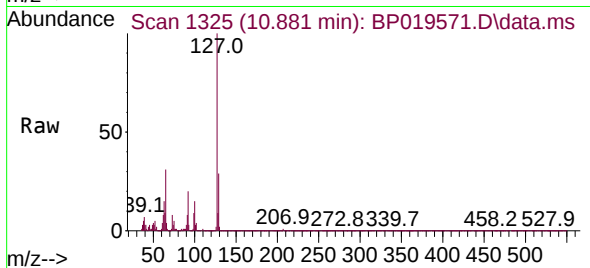
Ion Ratio Lower Upper

127 100

129 29.1 24.6 36.8

65 31.2 28.2 42.4

92 20.2 18.9 28.3



#34

Hexachlorobutadiene

Concen: 6.702 ng

RT: 11.034 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

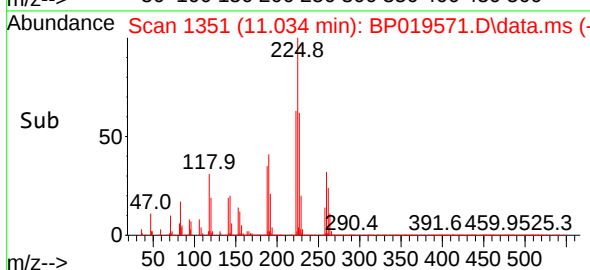
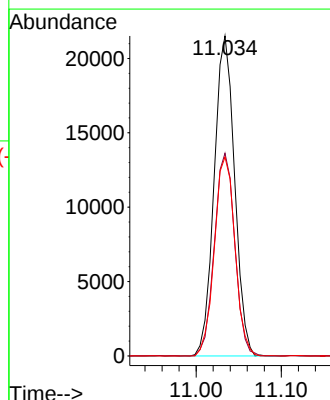
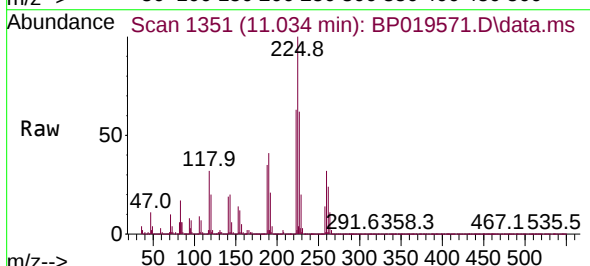
Tgt Ion:225 Resp: 35832

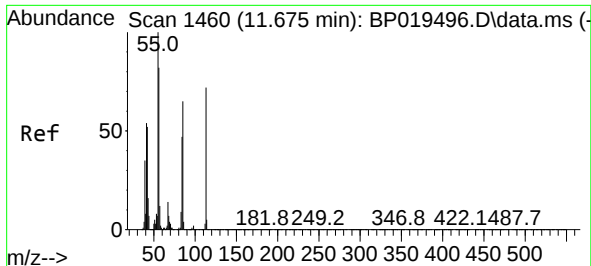
Ion Ratio Lower Upper

225 100

223 63.4 50.5 75.7

227 62.2 50.2 75.2

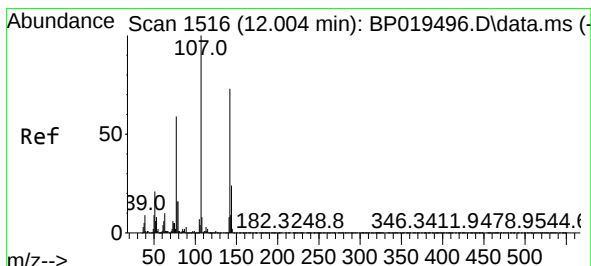
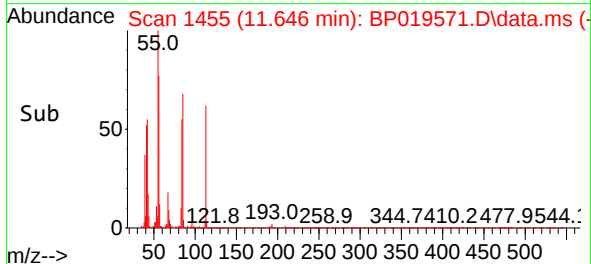
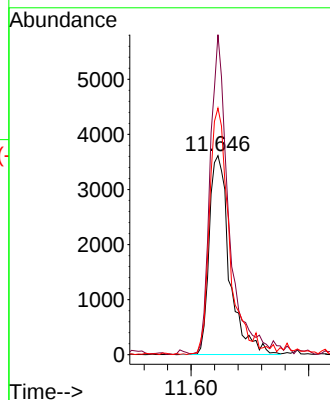
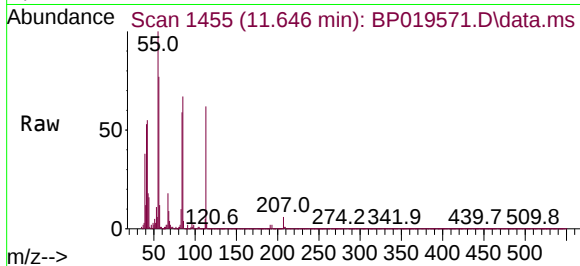




#35
Caprolactam
Concen: 5.190 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

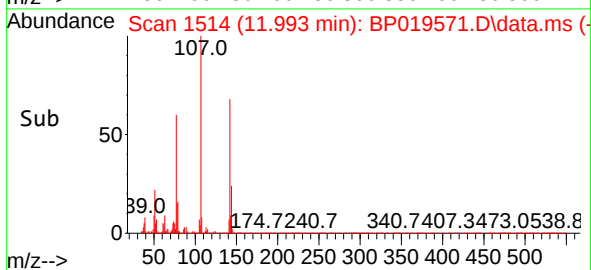
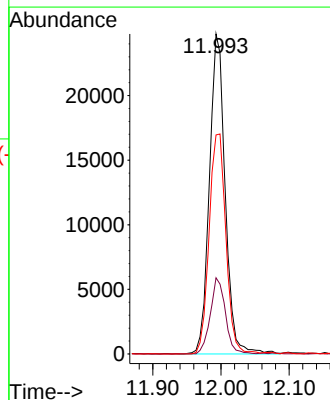
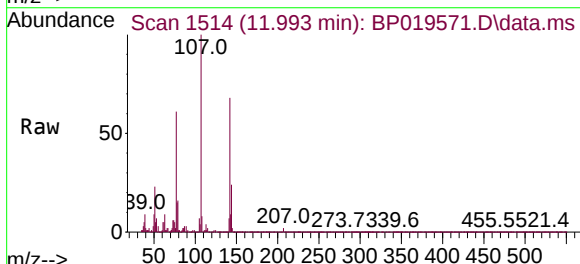
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

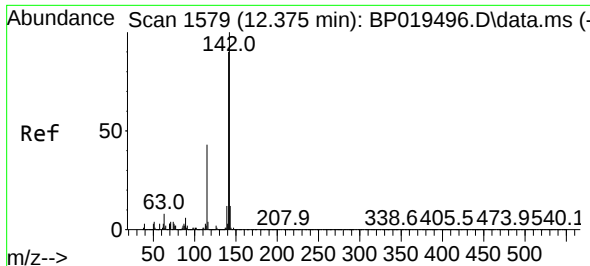
Tgt Ion:113 Resp: 8646
Ion Ratio Lower Upper
113 100
55 160.8 120.0 160.0#
56 123.9 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 6.218 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:107 Resp: 39895
Ion Ratio Lower Upper
107 100
144 23.8 19.0 28.4
142 68.4 58.6 88.0

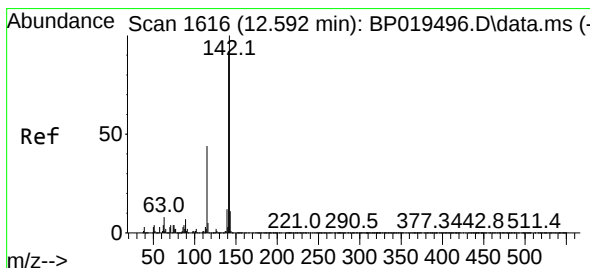
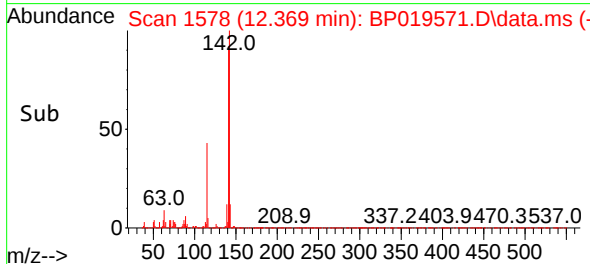
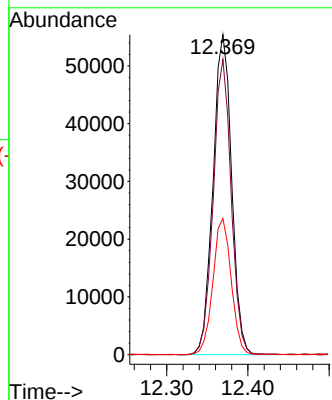
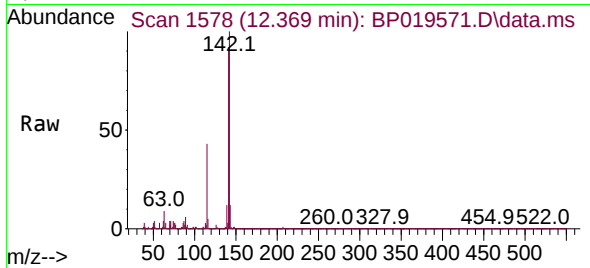




#37
2-Methylnaphthalene
Concen: 6.766 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

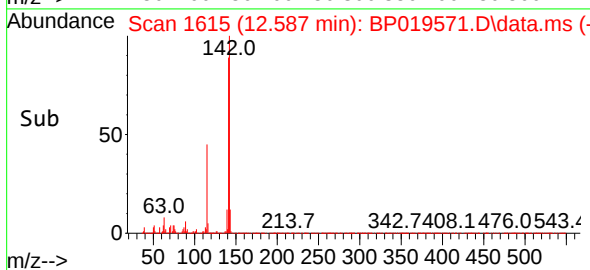
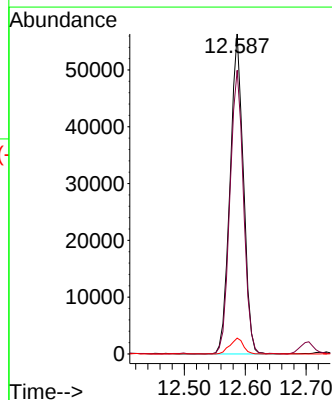
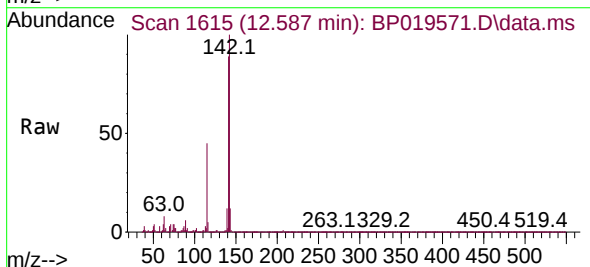
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

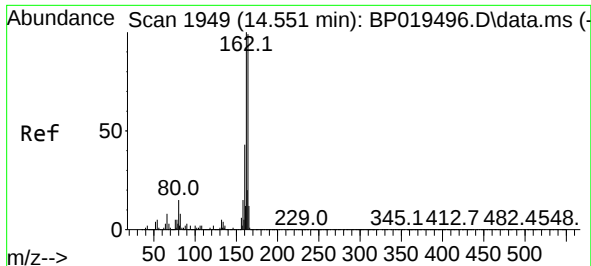
Tgt Ion:142 Resp: 88239
Ion Ratio Lower Upper
142 100
141 92.3 72.2 108.4
115 42.5 34.2 51.2



#38
1-Methylnaphthalene
Concen: 6.698 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:142 Resp: 85841
Ion Ratio Lower Upper
142 100
141 88.7 74.0 111.0
116 5.0 3.7 5.5

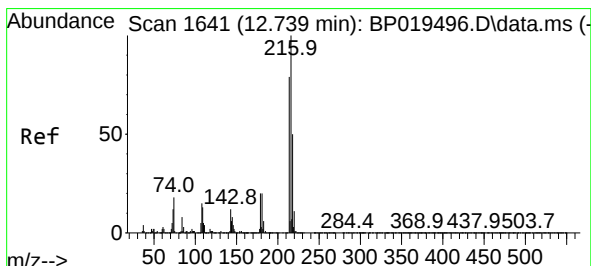
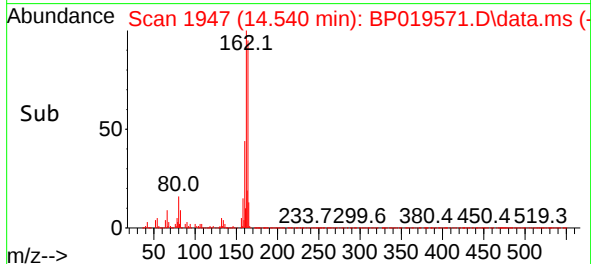
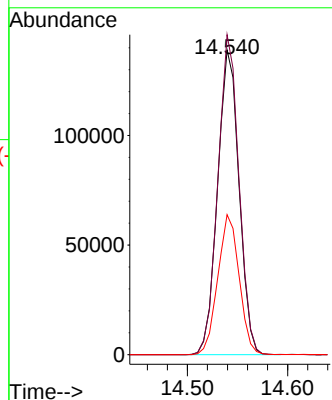
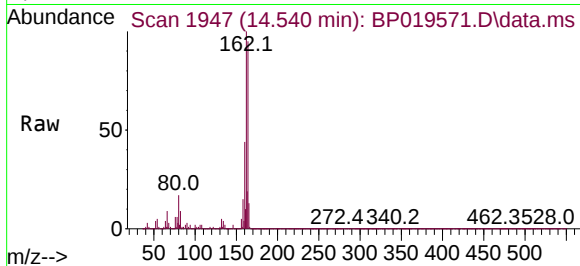




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1949
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

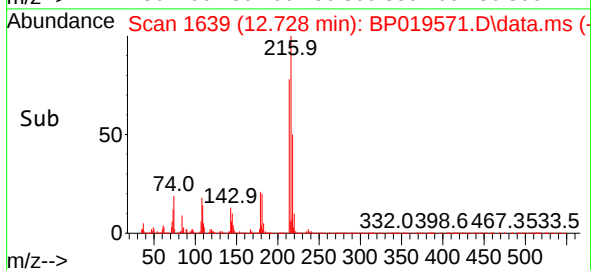
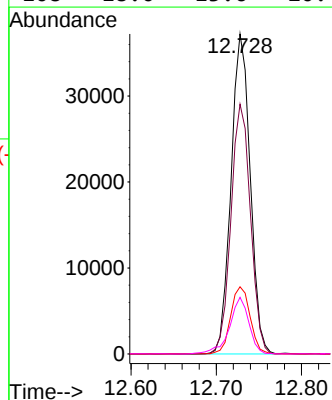
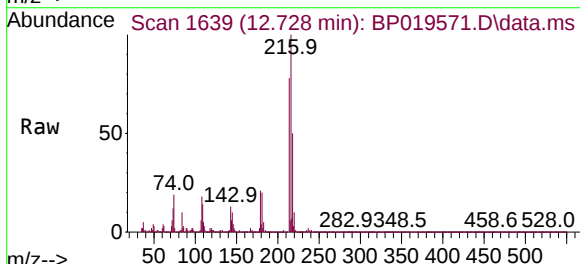
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

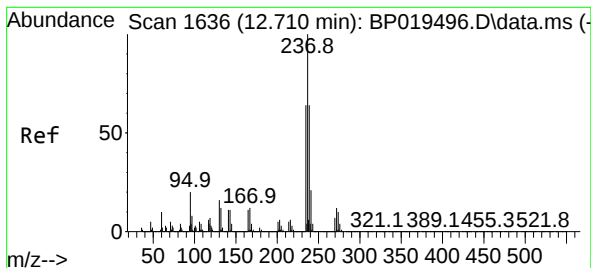
Tgt Ion:164 Resp: 206554
Ion Ratio Lower Upper
164 100
162 105.0 81.2 121.8
160 45.9 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.294 ng
RT: 12.728 min Scan# 1639
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:216 Resp: 58103
Ion Ratio Lower Upper
216 100
214 79.7 62.8 94.2
179 21.3 16.6 24.8
108 18.0 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 8.423 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

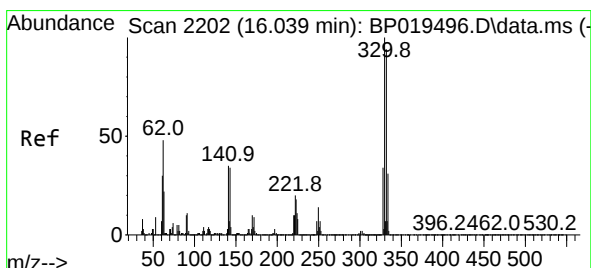
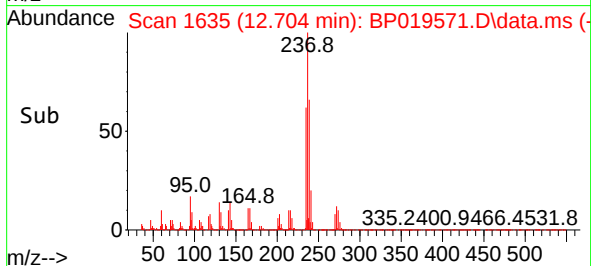
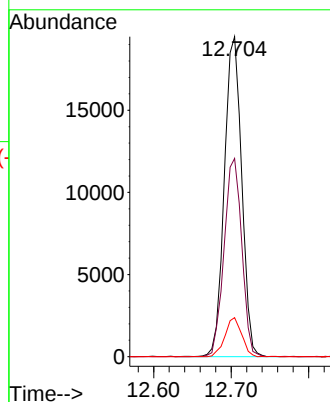
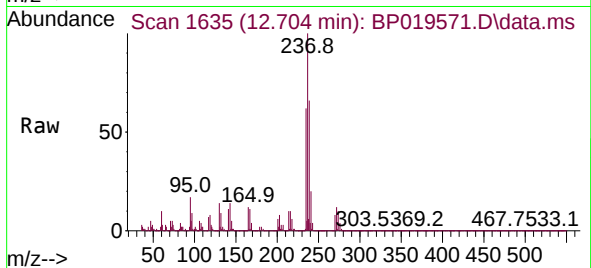
Tgt Ion:237 Resp: 30310

Ion Ratio Lower Upper

237 100

235 62.0 43.7 83.7

272 12.2 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 88.858 ng

RT: 16.034 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

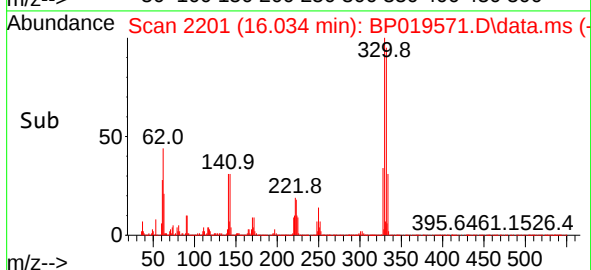
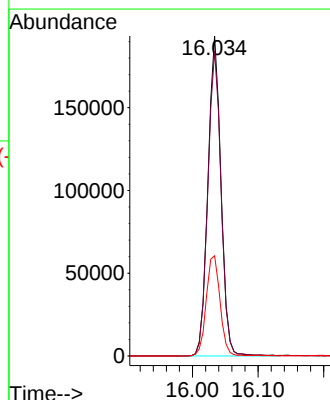
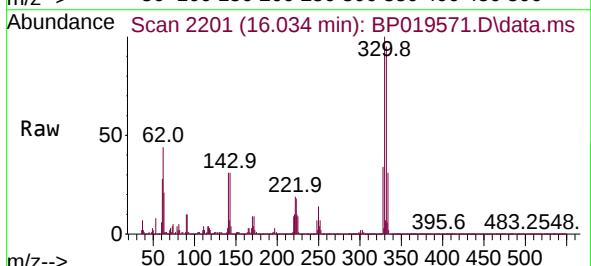
Tgt Ion:330 Resp: 267982

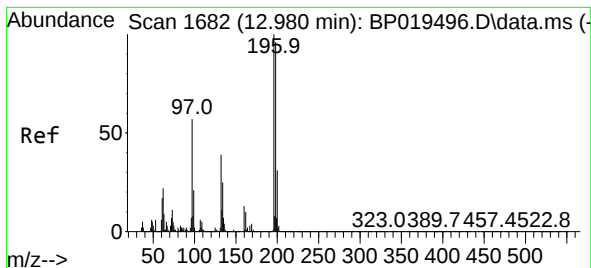
Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 33.1 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 6.525 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

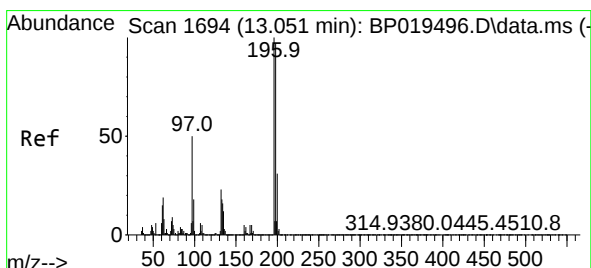
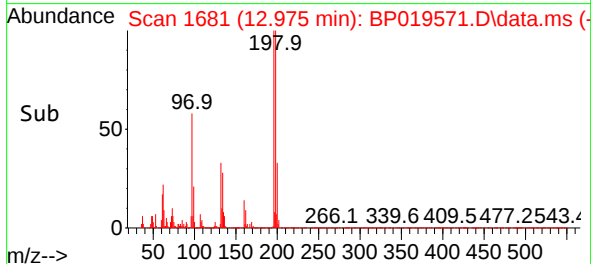
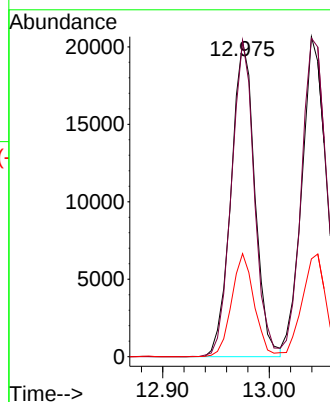
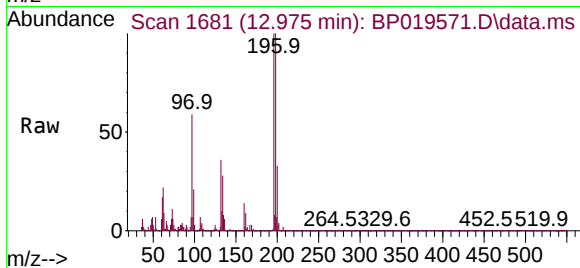
Tgt Ion:196 Resp: 31475

Ion Ratio Lower Upper

196 100

198 100.2 76.7 115.1

200 32.6 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 6.195 ng

RT: 13.040 min Scan# 1692

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Tgt Ion:196 Resp: 32814

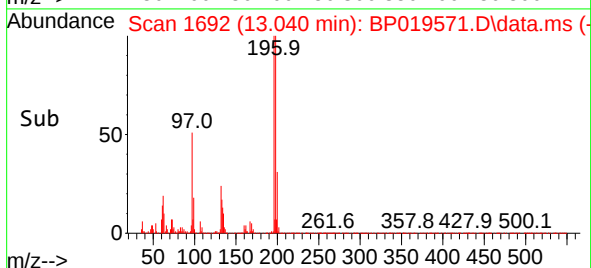
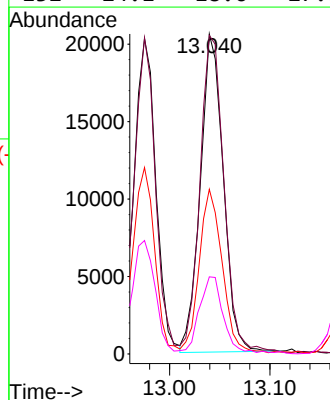
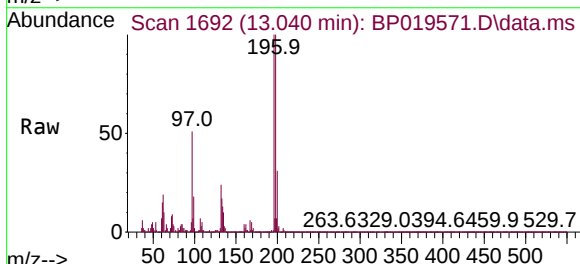
Ion Ratio Lower Upper

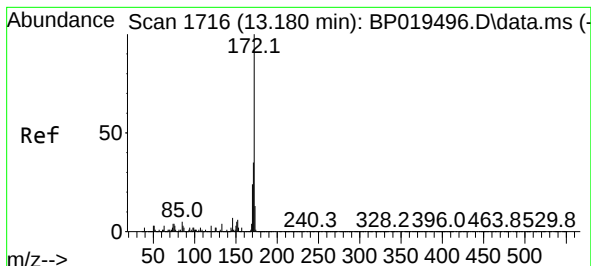
196 100

198 99.5 77.5 116.3

97 51.4 39.9 59.9

132 24.1 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 70.159 ng

RT: 13.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

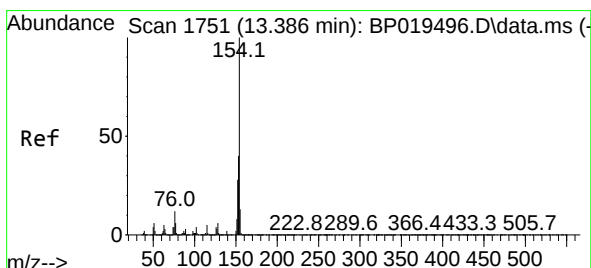
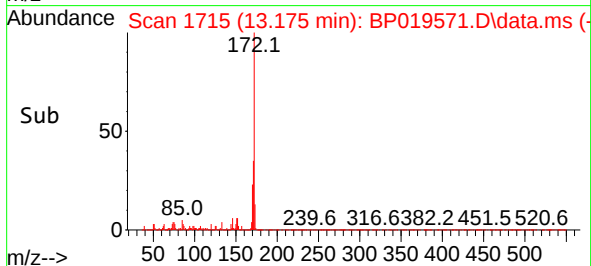
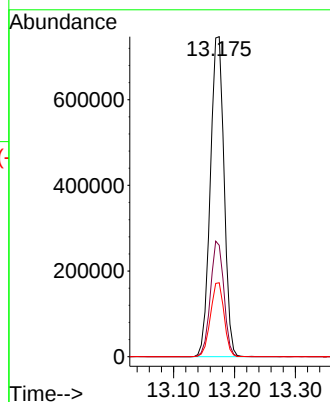
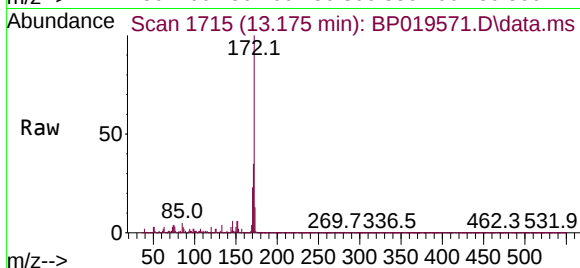
Tgt Ion:172 Resp: 1172237

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.1 18.9 28.3



#46

1,1'-Biphenyl

Concen: 7.318 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

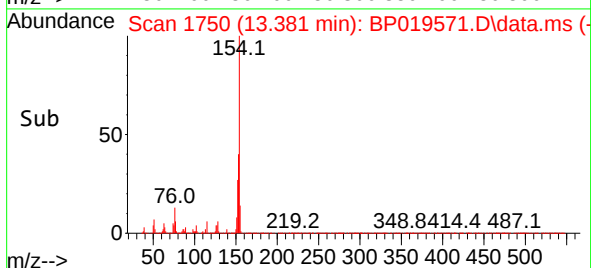
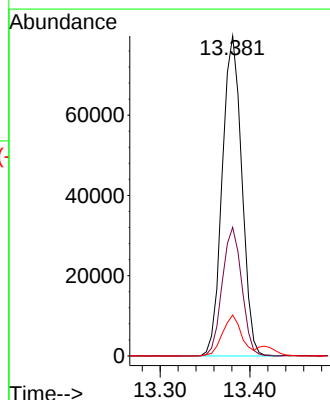
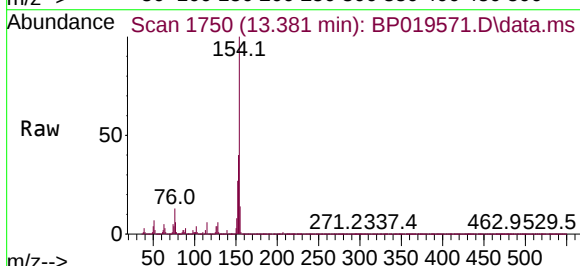
Tgt Ion:154 Resp: 120640

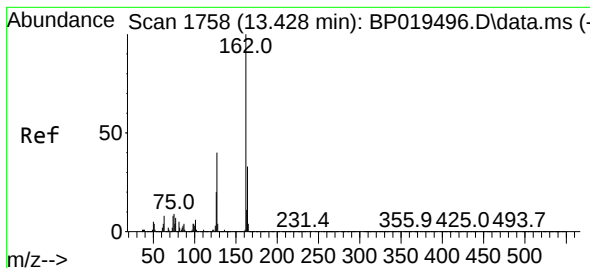
Ion Ratio Lower Upper

154 100

153 40.2 20.2 60.2

76 12.8 0.0 31.6





#47

2-Chloronaphthalene

Concen: 7.041 ng

RT: 13.416 min Scan# 1756

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

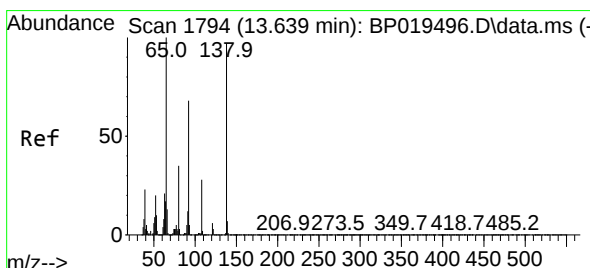
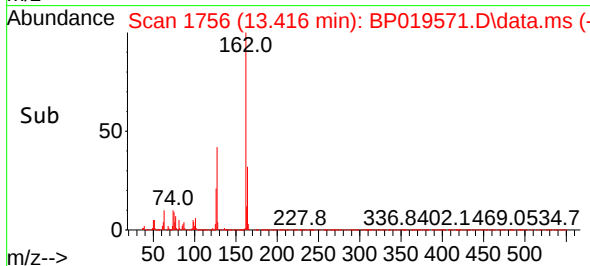
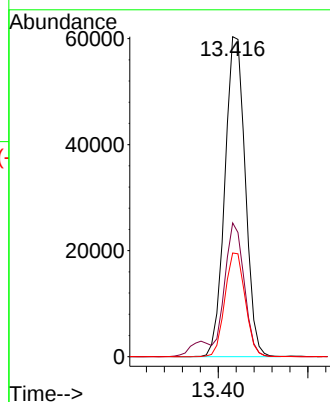
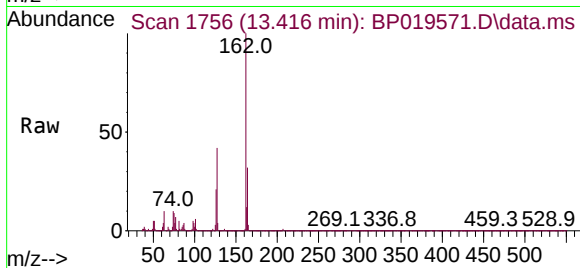
Tgt Ion:162 Resp: 95282

Ion Ratio Lower Upper

162 100

127 41.8 32.1 48.1

164 32.4 26.7 40.1



#48

2-Nitroaniline

Concen: 6.024 ng

RT: 13.628 min Scan# 1792

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

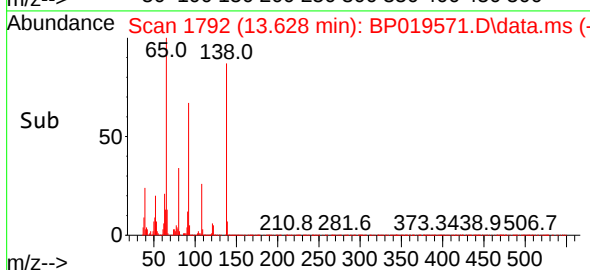
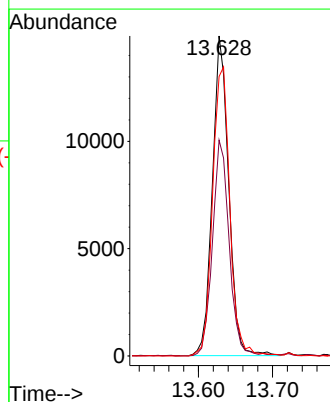
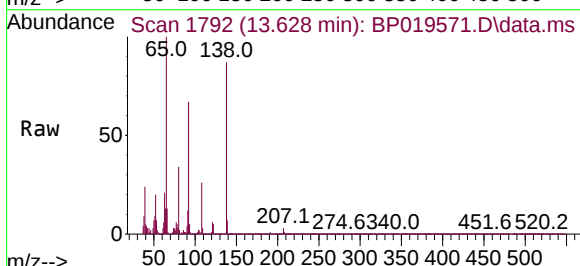
Tgt Ion: 65 Resp: 22795

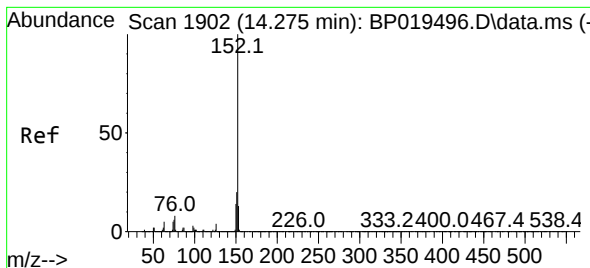
Ion Ratio Lower Upper

65 100

92 67.5 54.7 82.1

138 87.3 77.8 116.6





#49

Acenaphthylene

Concen: 7.416 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

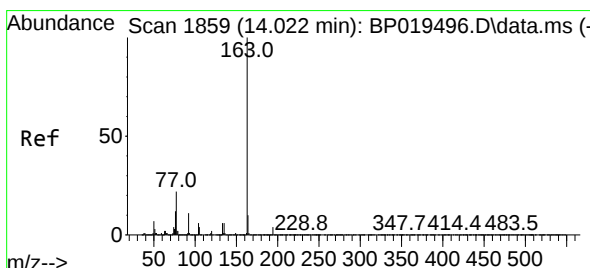
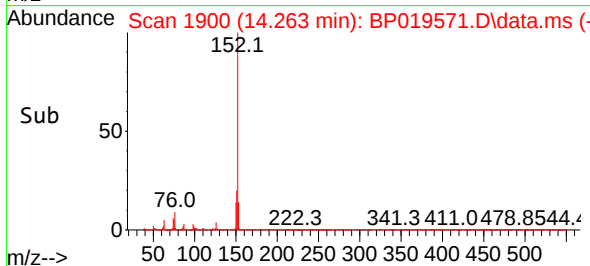
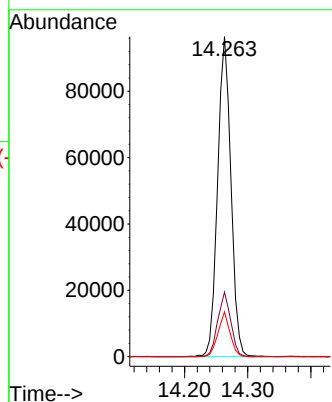
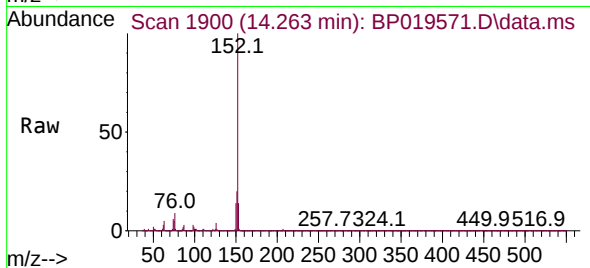
Tgt Ion:152 Resp: 140803

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

153 14.0 10.6 15.8



#50

Dimethylphthalate

Concen: 6.562 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

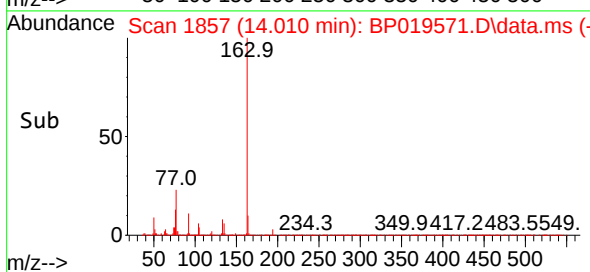
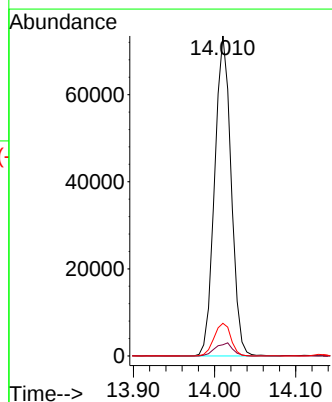
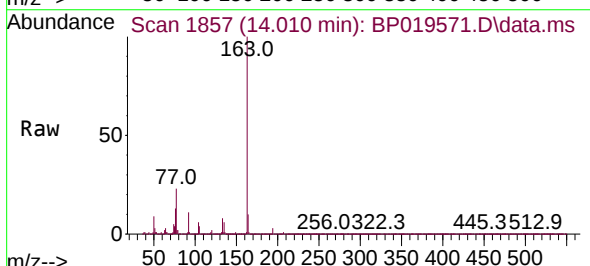
Tgt Ion:163 Resp: 103759

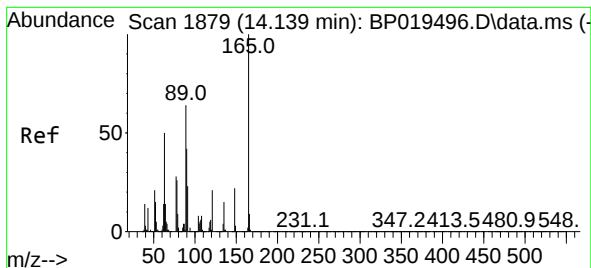
Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.2

164 10.2 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 5.985 ng

RT: 14.128 min Scan# 1879

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

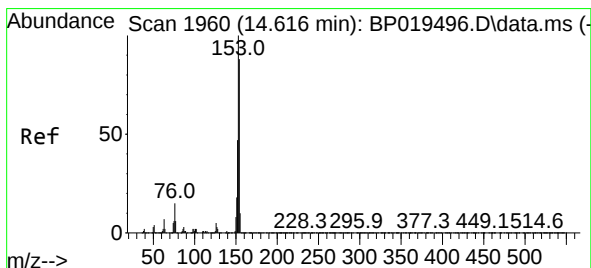
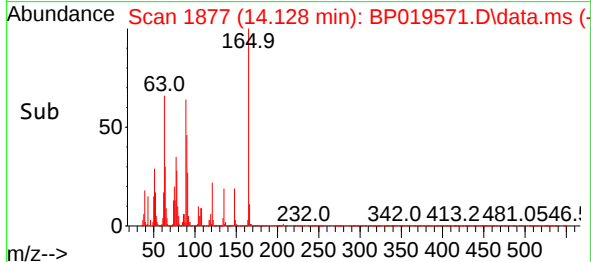
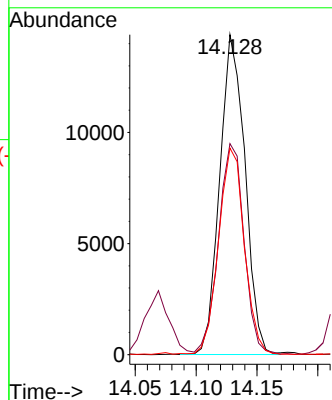
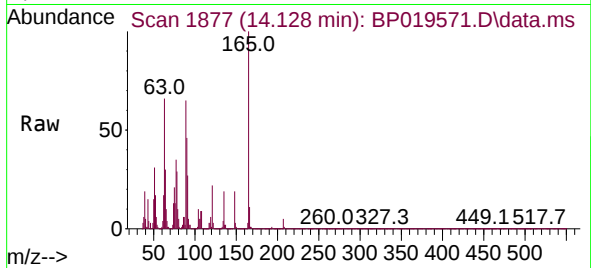
Tgt Ion:165 Resp: 20792

Ion Ratio Lower Upper

165 100

63 66.0 50.4 75.6

89 64.5 51.7 77.5



#52

Acenaphthene

Concen: 6.984 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

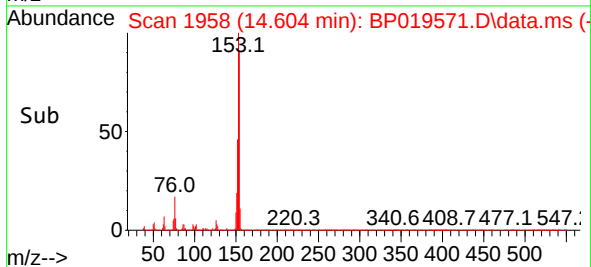
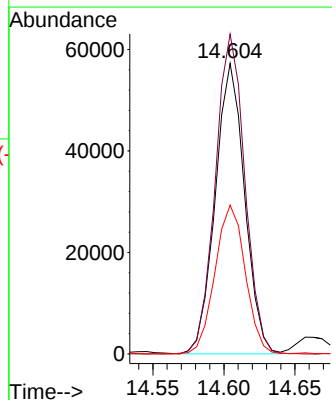
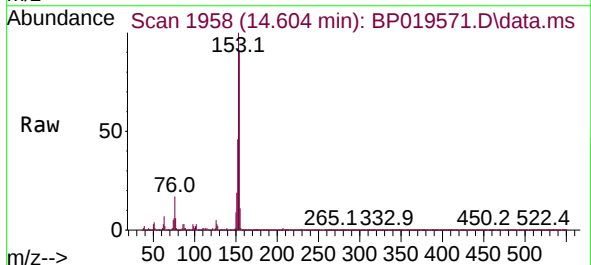
Tgt Ion:154 Resp: 82301

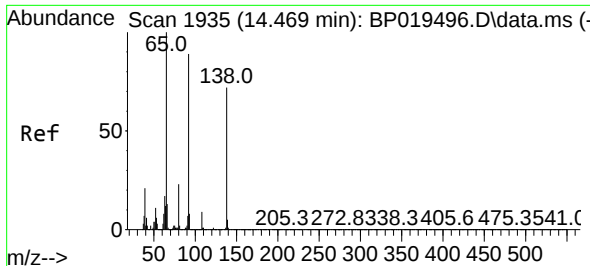
Ion Ratio Lower Upper

154 100

153 110.1 90.5 135.7

152 51.2 42.1 63.1

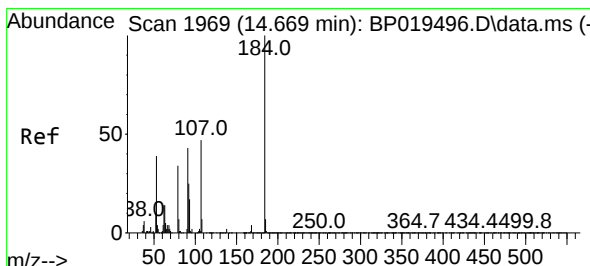
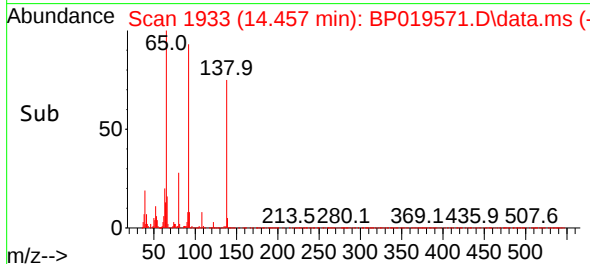
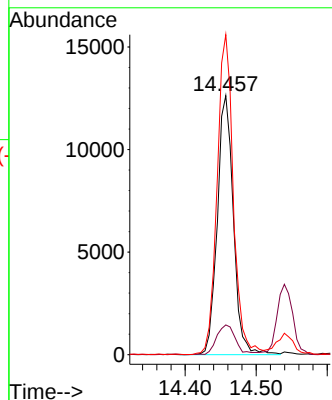
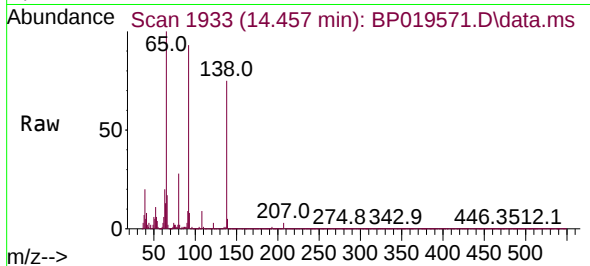




#53
3-Nitroaniline
Concen: 6.194 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

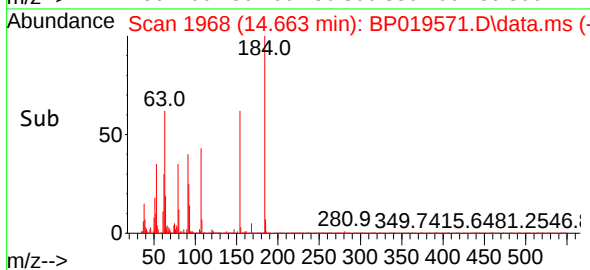
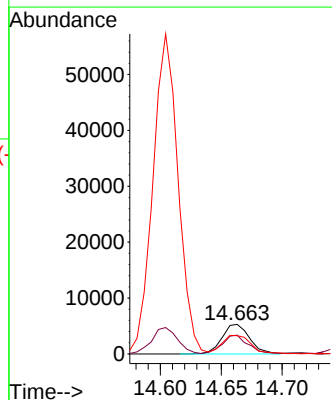
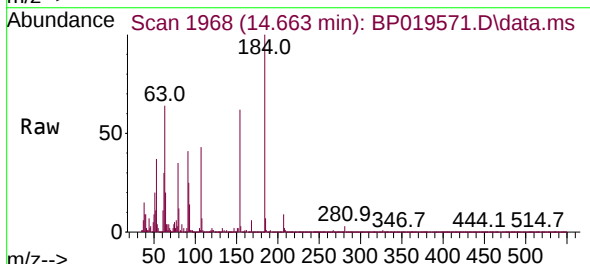
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

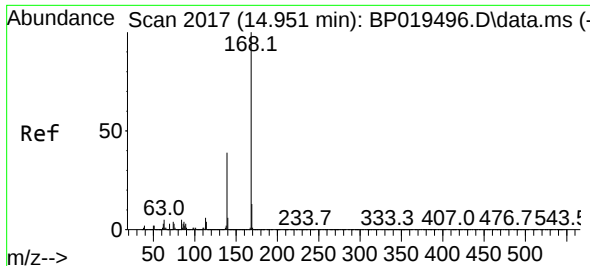
Tgt Ion:138 Resp: 19775
Ion Ratio Lower Upper
138 100
108 11.5 9.7 14.5
92 123.5 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 4.603 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:184 Resp: 8303
Ion Ratio Lower Upper
184 100
63 63.8 50.5 75.7
154 61.7 53.4 80.0

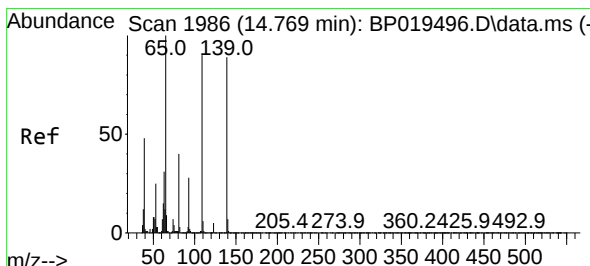
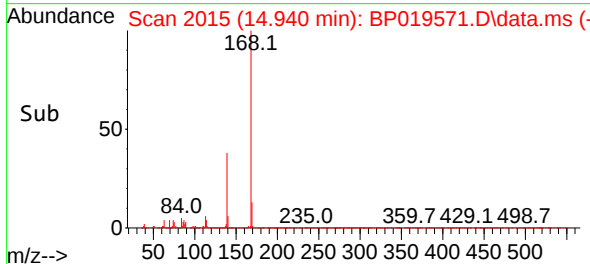
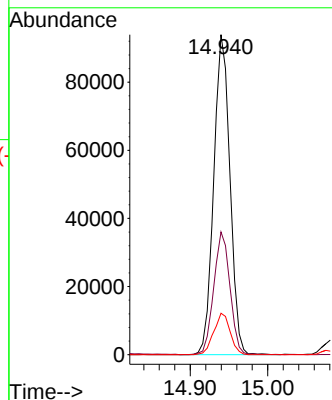
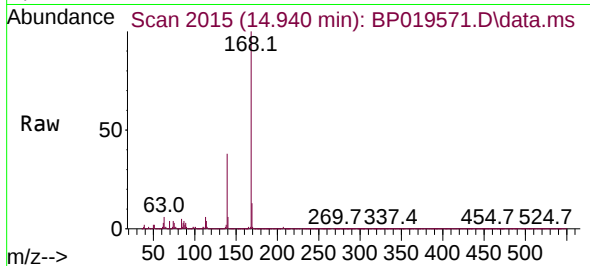




#55
Dibenzofuran
Concen: 7.107 ng
RT: 14.940 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

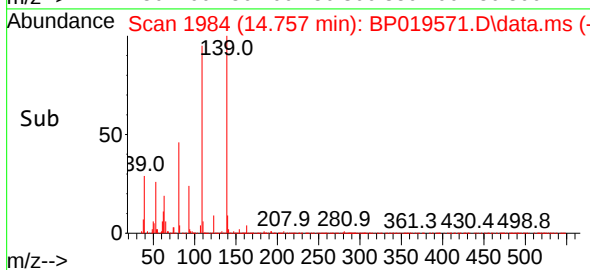
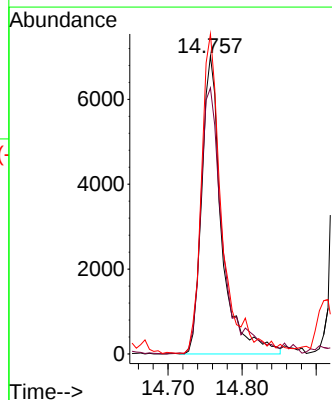
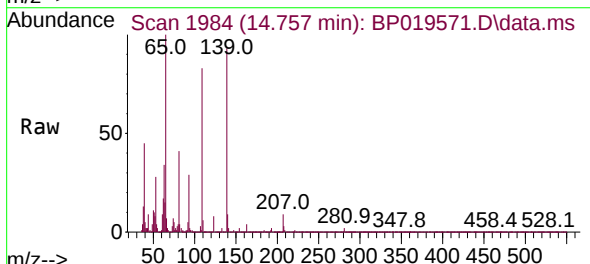
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

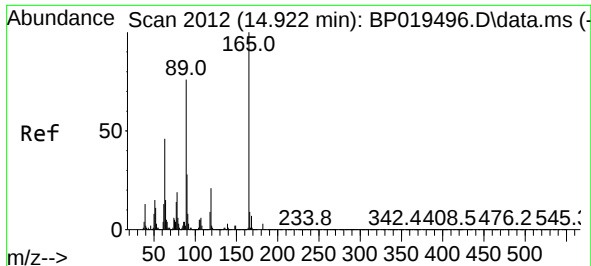
Tgt Ion:168 Resp: 136408
Ion Ratio Lower Upper
168 100
139 38.3 31.5 47.3
169 13.0 10.3 15.5



#56
4-Nitrophenol
Concen: 4.995 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:139 Resp: 13072
Ion Ratio Lower Upper
139 100
109 89.3 82.0 122.0
65 107.3 92.9 132.9

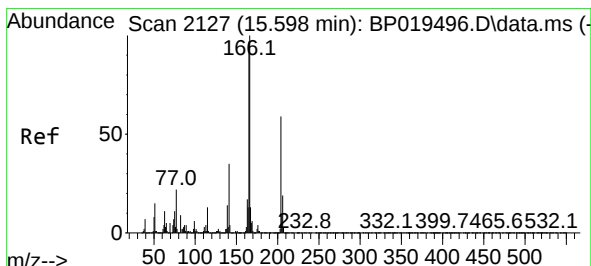
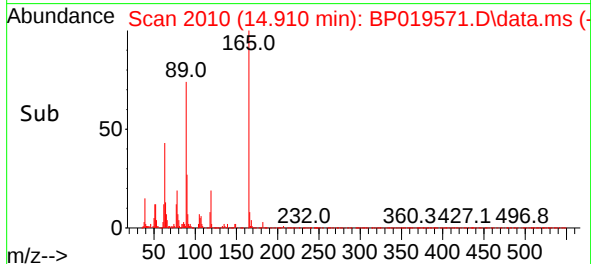
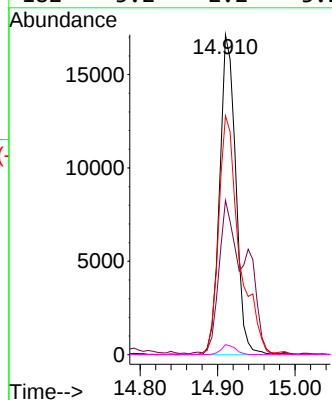
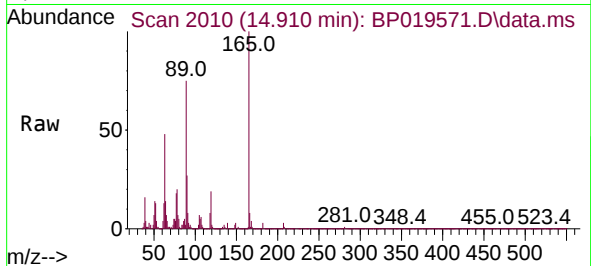




#57
2,4-Dinitrotoluene
Concen: 5.429 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

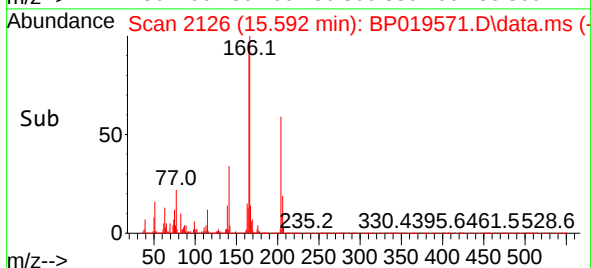
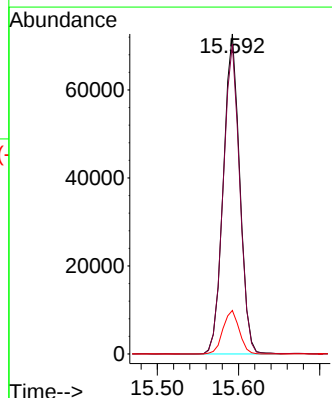
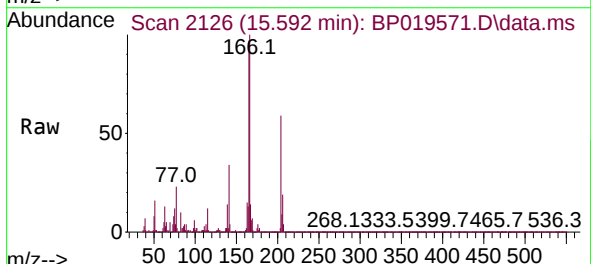
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

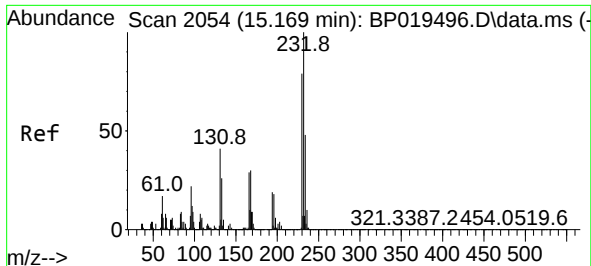
Tgt Ion:165 Resp: 24718
Ion Ratio Lower Upper
165 100
63 48.2 36.9 55.3
89 74.6 61.1 91.7
182 3.2 2.2 3.2



#58
Fluorene
Concen: 6.687 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:166 Resp: 102219
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.8
167 13.6 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.240 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:232 Resp: 27802

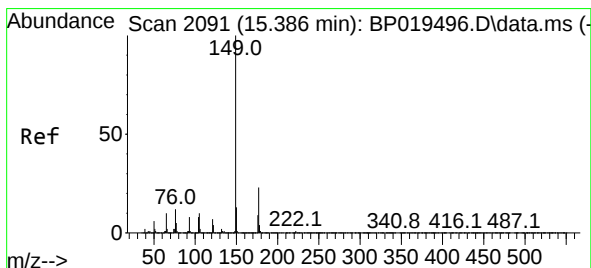
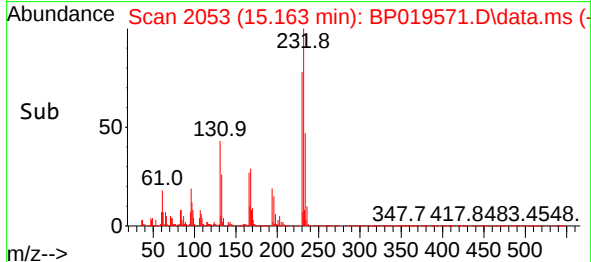
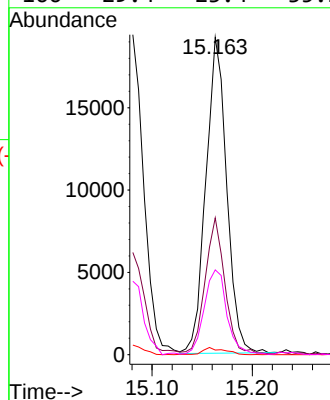
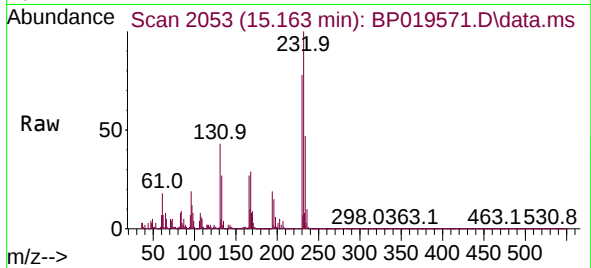
Ion Ratio Lower Upper

232 100

131 40.8 32.4 48.6

130 2.3 1.9 2.9

166 29.4 23.4 35.2



#60

Diethylphthalate

Concen: 6.042 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

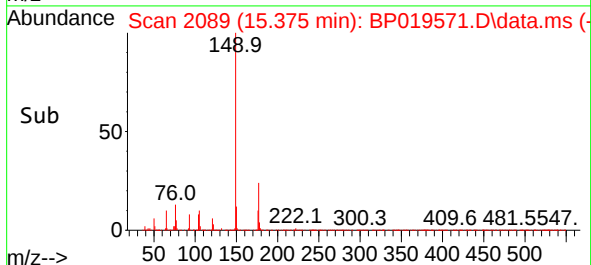
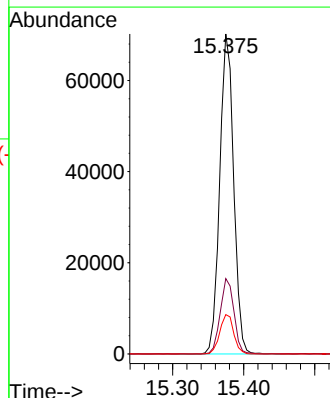
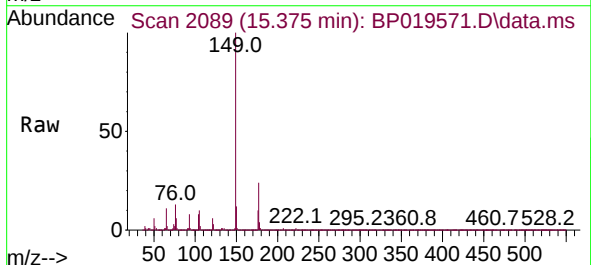
Tgt Ion:149 Resp: 95026

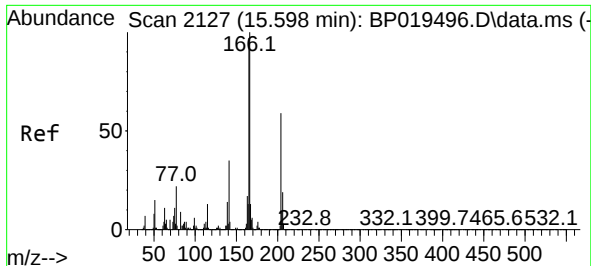
Ion Ratio Lower Upper

149 100

177 23.6 18.2 27.2

150 12.3 10.2 15.4

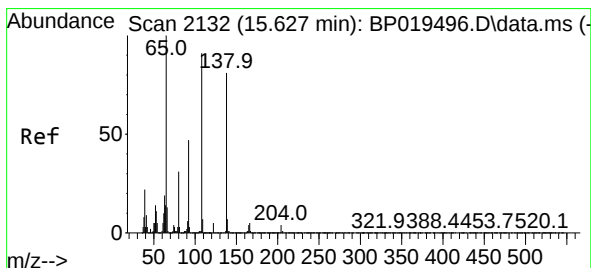
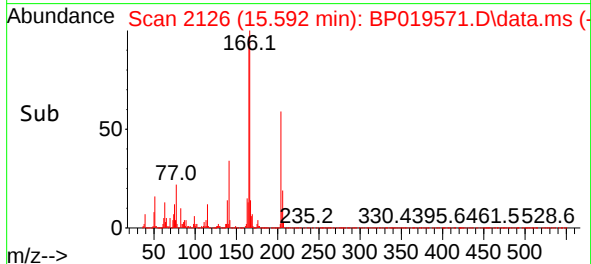
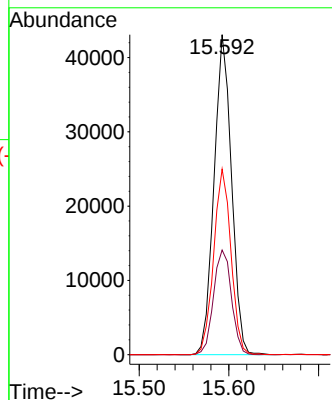
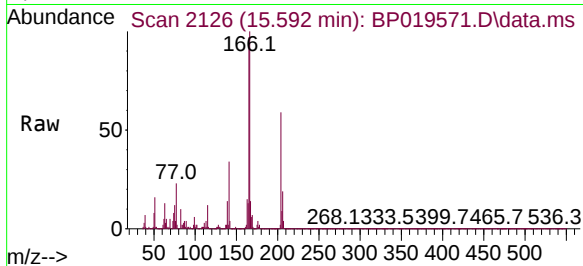




#61
4-Chlorophenyl-phenylether
Concen: 6.779 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

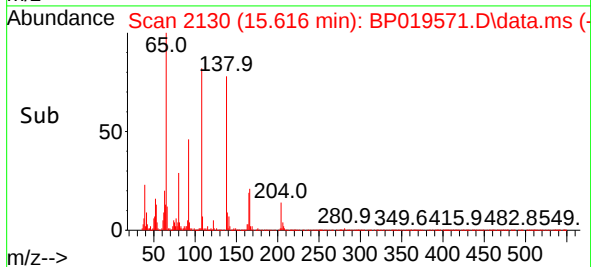
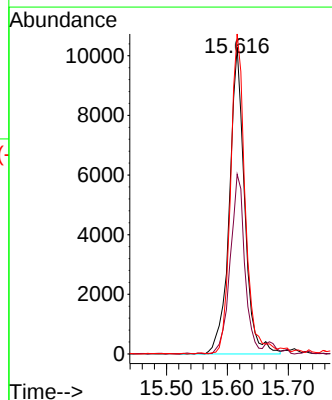
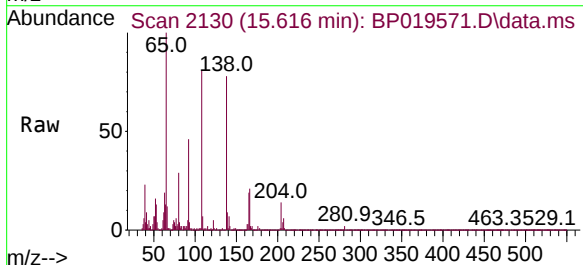
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

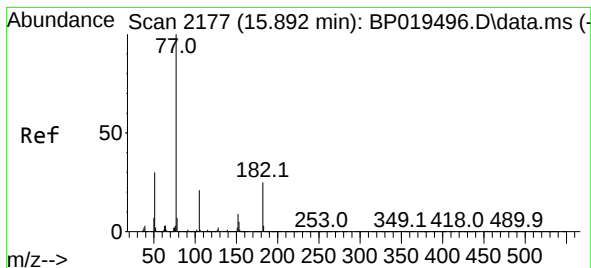
Tgt Ion:204 Resp: 58247
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 58.0 48.5 72.7



#62
4-Nitroaniline
Concen: 5.330 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:138 Resp: 17837
Ion Ratio Lower Upper
138 100
92 58.6 38.3 78.3
108 104.4 91.2 131.2





#63

Azobenzene

Concen: 6.174 ng

RT: 15.887 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 77 Resp: 93901

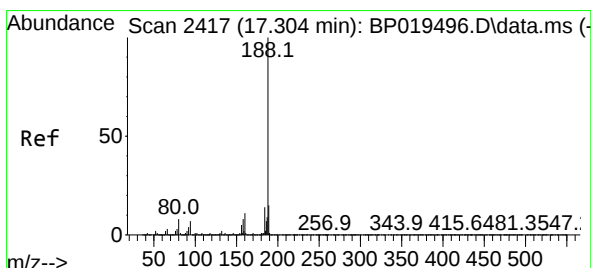
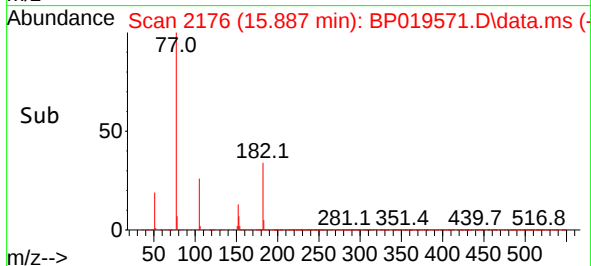
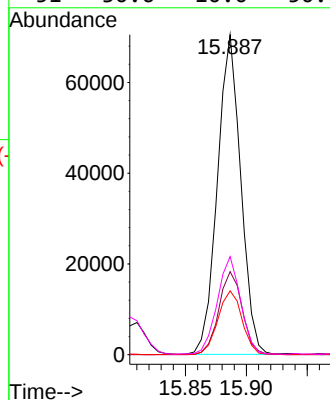
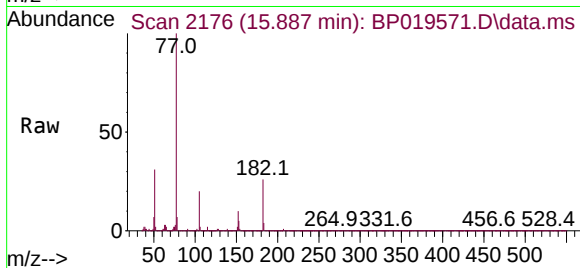
Ion Ratio Lower Upper

77 100

182 26.0 5.1 45.1

105 19.9 0.8 40.8

51 30.6 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: BP019571.D

Acq: 06 Feb 2024 13:37

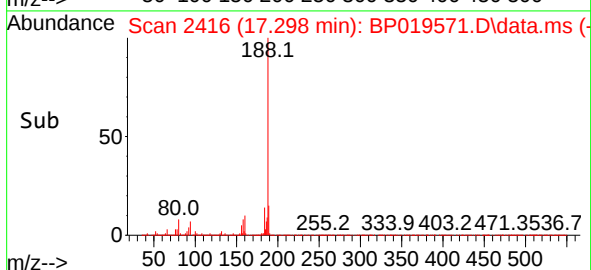
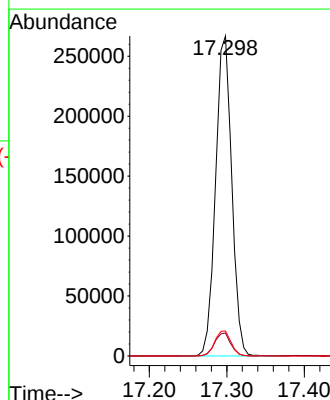
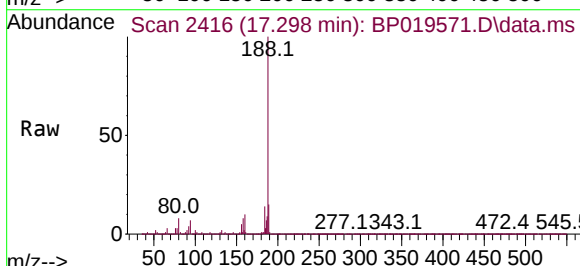
Tgt Ion: 188 Resp: 385769

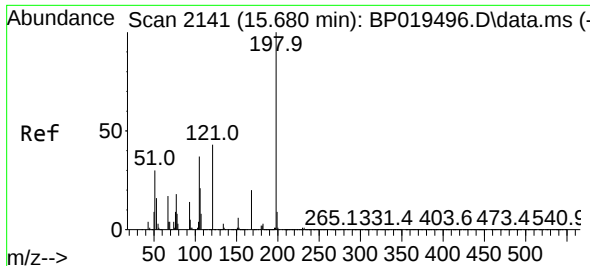
Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 7.8 6.3 9.5

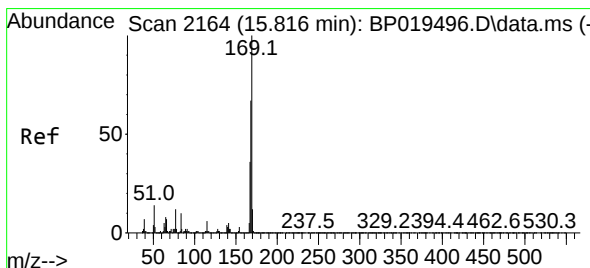
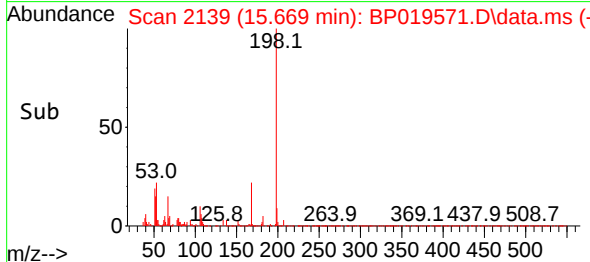
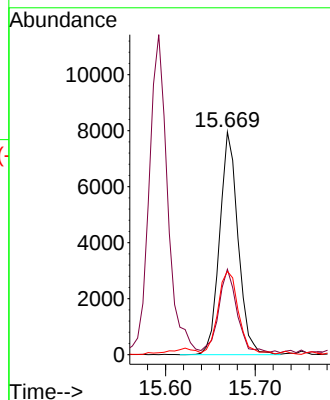
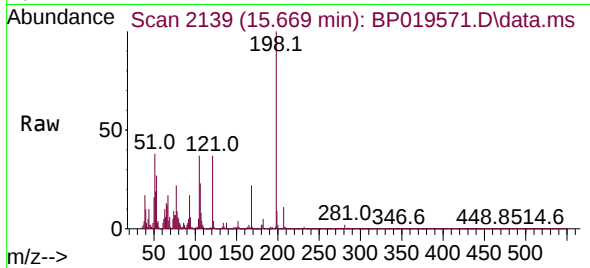




#65
4,6-Dinitro-2-methylphenol
Concen: 5.157 ng
RT: 15.669 min Scan# 2141
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

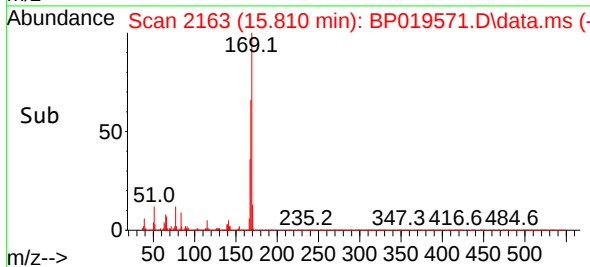
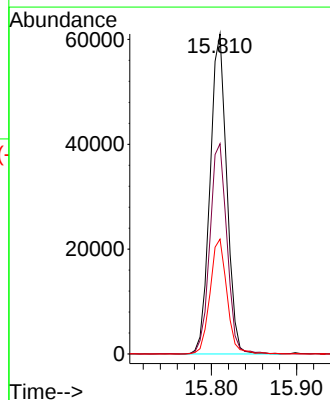
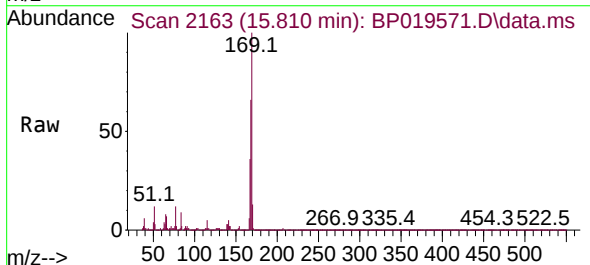
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

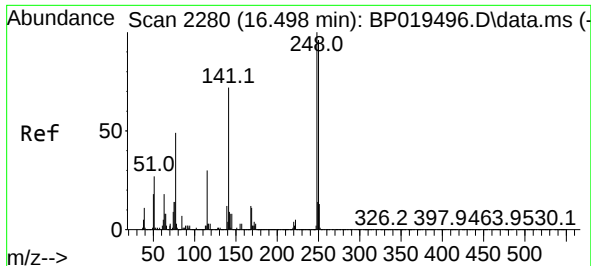
Tgt Ion:198 Resp: 11343
Ion Ratio Lower Upper
198 100
51 38.3 21.2 61.2
105 37.4 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 7.190 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:169 Resp: 83068
Ion Ratio Lower Upper
169 100
168 65.7 53.4 80.2
167 35.9 28.9 43.3

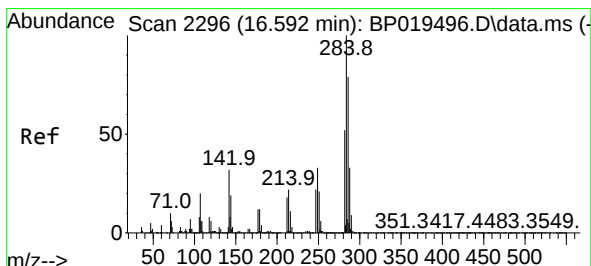
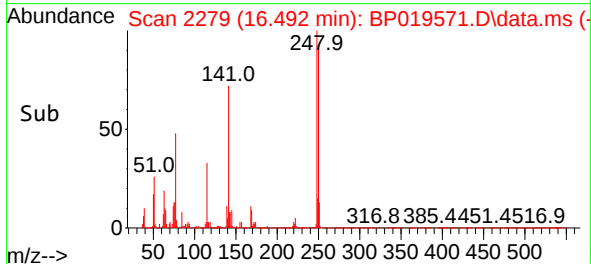
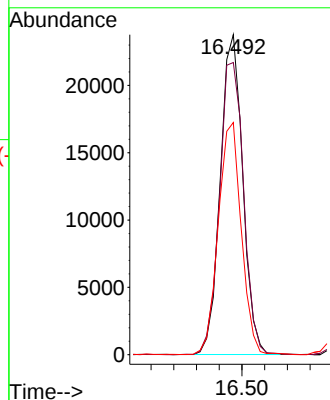
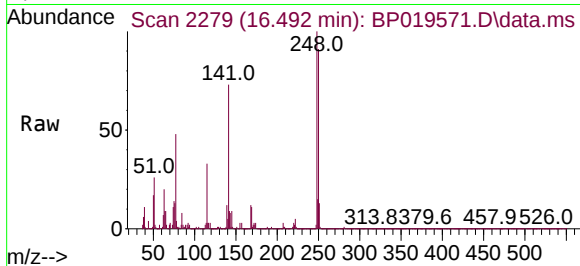




#67
4-Bromophenyl-phenylether
Concen: 6.747 ng
RT: 16.492 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

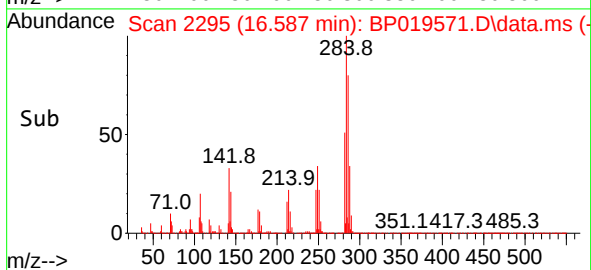
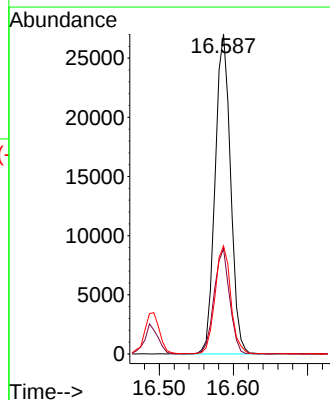
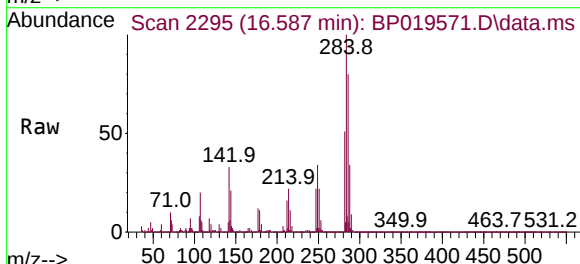
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

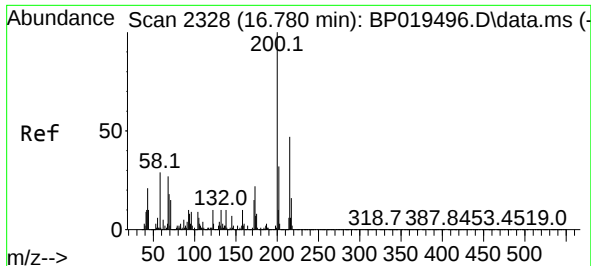
Tgt Ion:248 Resp: 32537
Ion Ratio Lower Upper
248 100
250 91.3 76.9 115.3
141 72.6 58.0 87.0



#68
Hexachlorobenzene
Concen: 6.938 ng
RT: 16.587 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:284 Resp: 39075
Ion Ratio Lower Upper
284 100
142 32.9 25.4 38.2
249 33.8 26.5 39.7

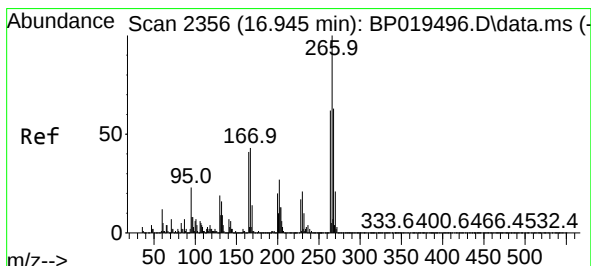
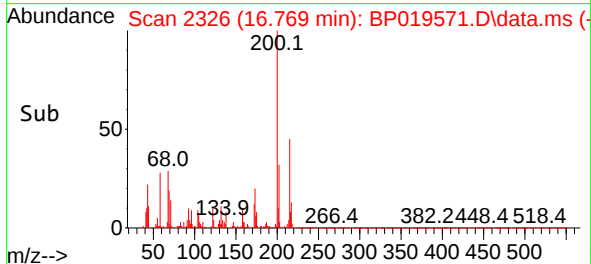
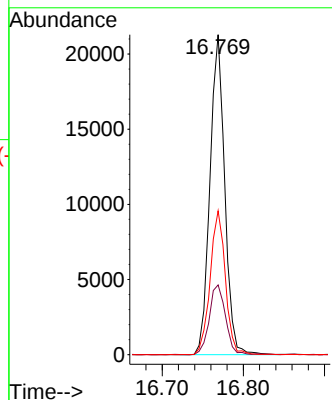
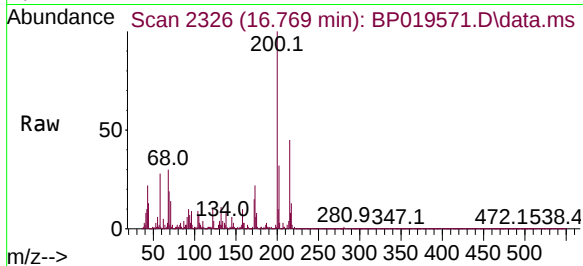




#69
Atrazine
Concen: 7.005 ng
RT: 16.769 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

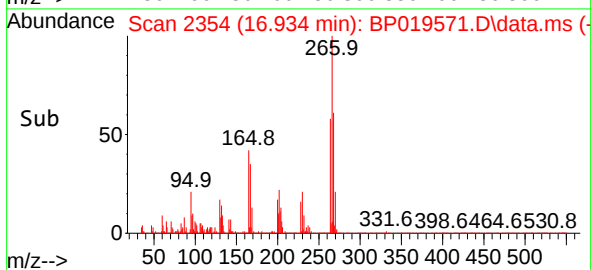
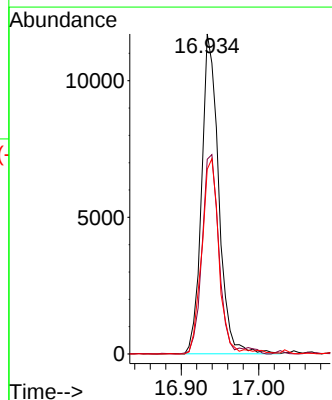
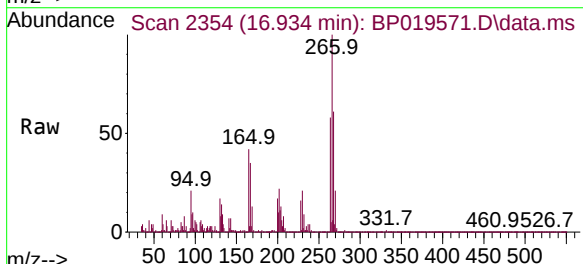
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

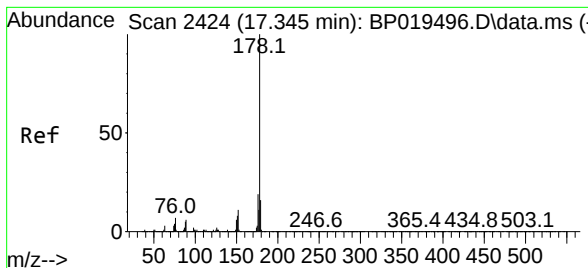
Tgt Ion:200 Resp: 26854
Ion Ratio Lower Upper
200 100
173 21.8 1.7 41.7
215 44.9 26.9 66.9



#70
Pentachlorophenol
Concen: 5.098 ng
RT: 16.934 min Scan# 2354
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:266 Resp: 17879
Ion Ratio Lower Upper
266 100
268 64.7 50.3 75.5
264 57.7 49.7 74.5





#71

Phenanthrene

Concen: 7.082 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

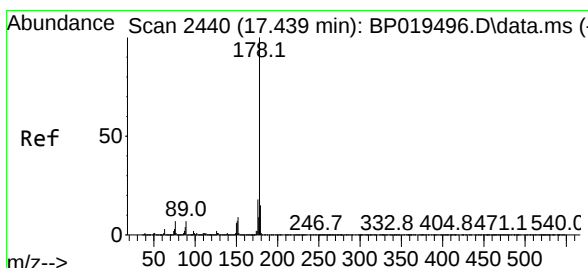
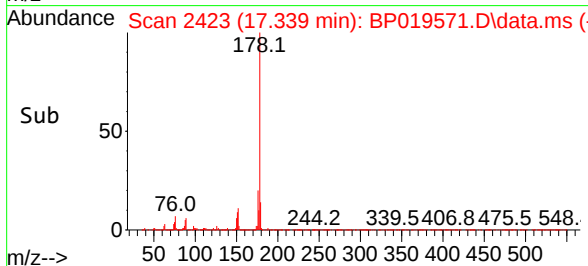
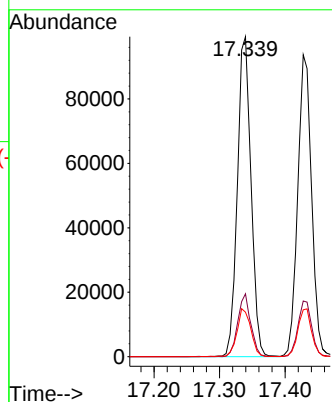
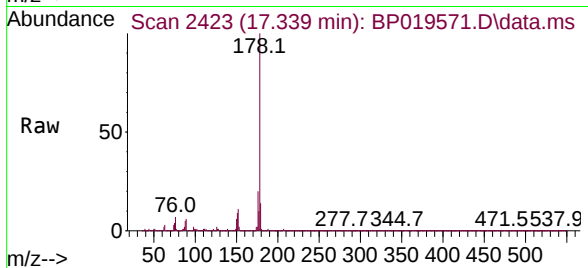
Tgt Ion:178 Resp: 143785

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 13.9 12.6 19.0



#72

Anthracene

Concen: 6.796 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

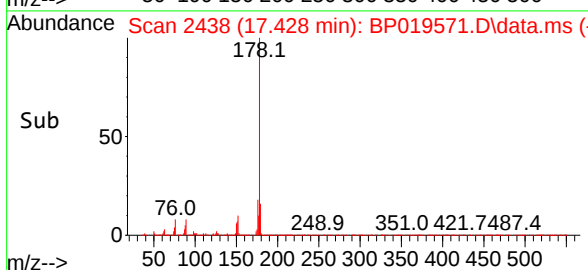
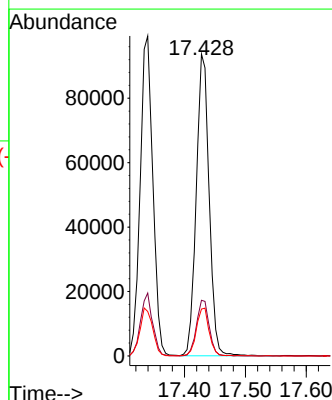
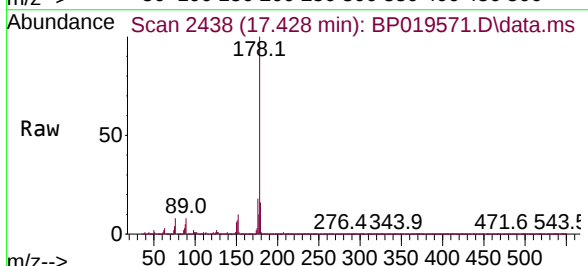
Tgt Ion:178 Resp: 137640

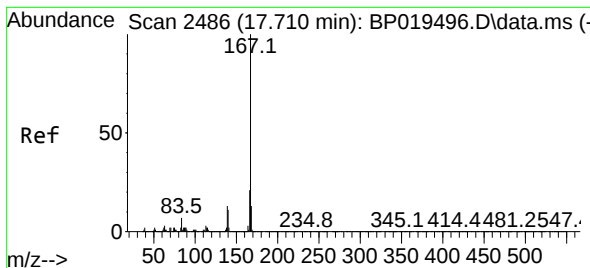
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.5 12.2 18.2





#73

Carbazole

Concen: 6.117 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

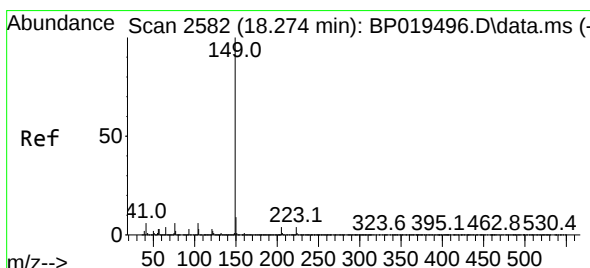
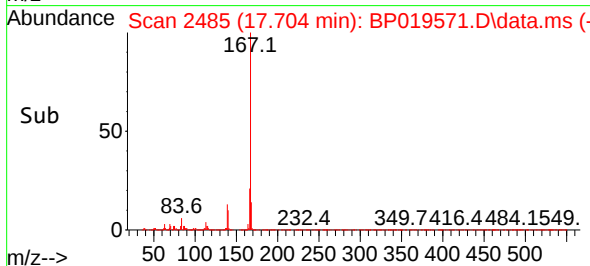
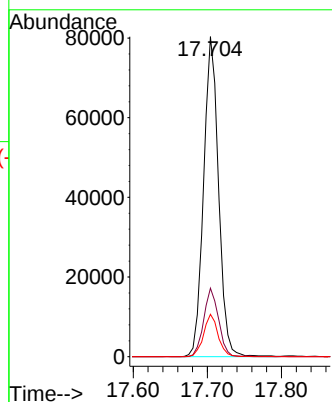
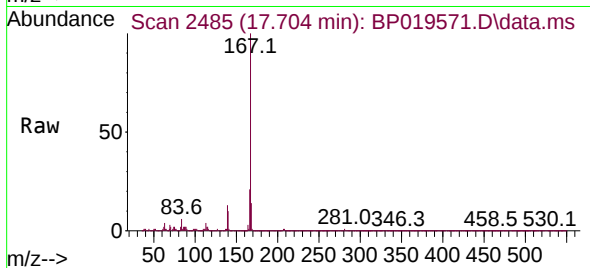
Tgt Ion:167 Resp: 112543

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 13.3 10.6 15.8



#74

Di-n-butylphthalate

Concen: 5.159 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

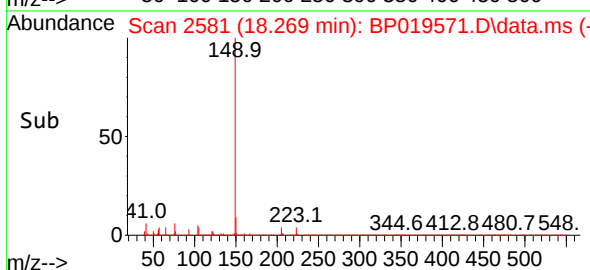
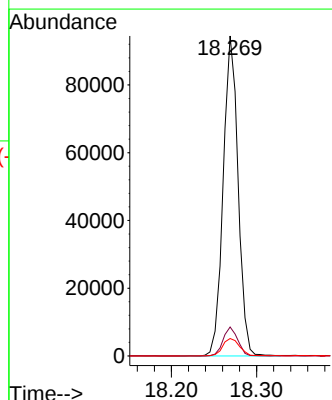
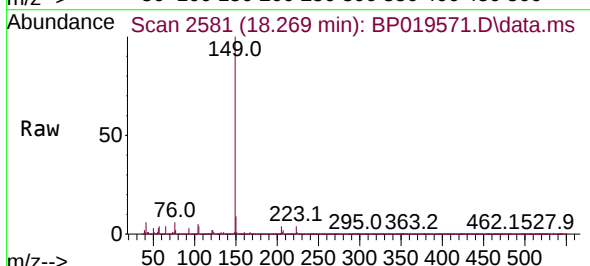
Tgt Ion:149 Resp: 114768

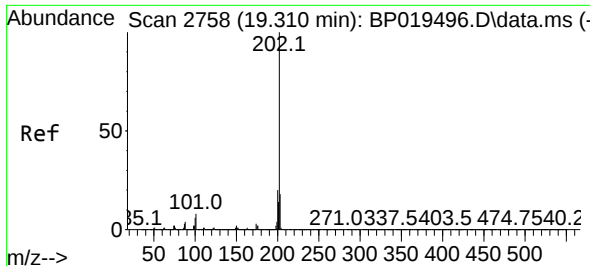
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

104 5.5 4.8 7.2

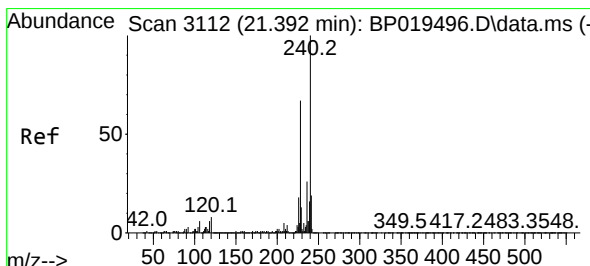
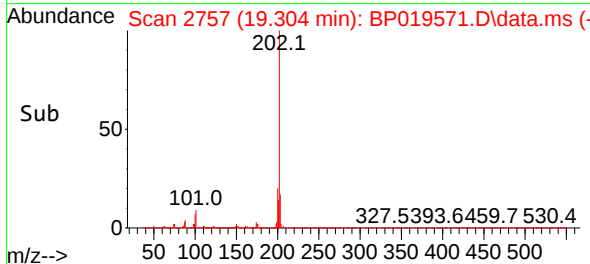
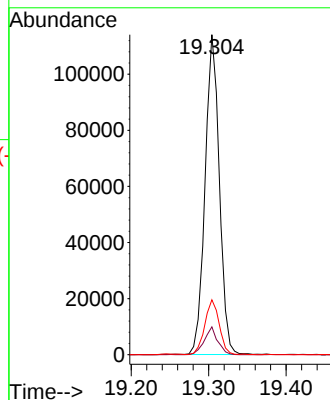
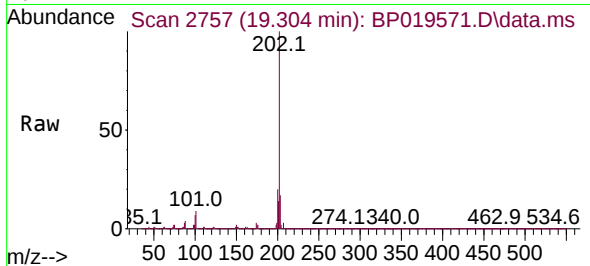




#75
Fluoranthene
Concen: 5.877 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

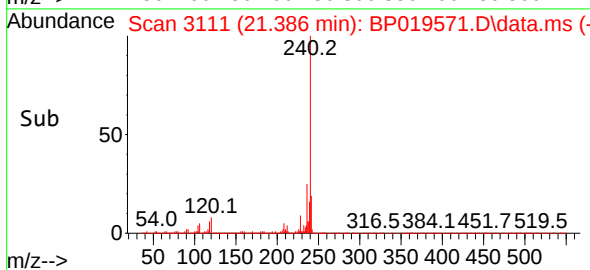
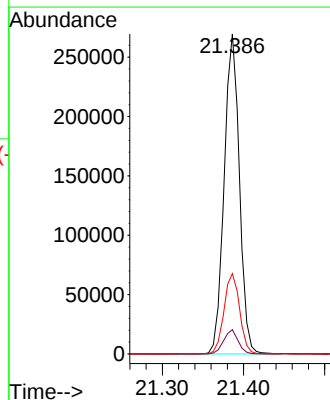
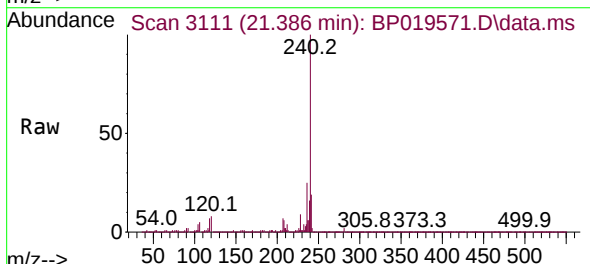
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

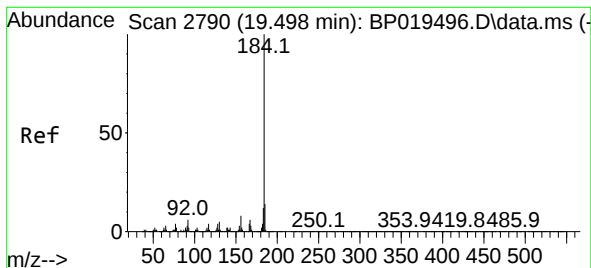
Tgt Ion:202 Resp: 145751
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:240 Resp: 351729
Ion Ratio Lower Upper
240 100
120 7.6 6.1 9.1
236 25.1 20.7 31.1





#77

Benzidine

Concen: 9.135 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

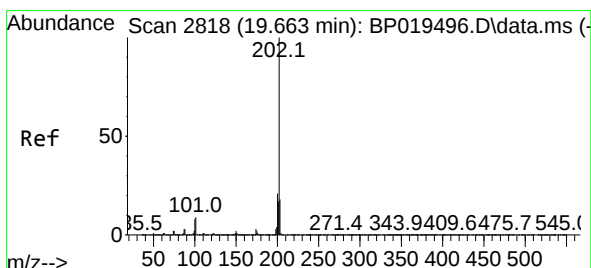
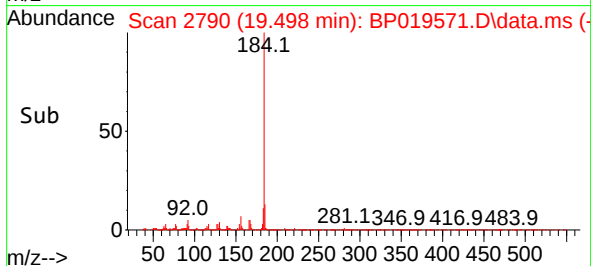
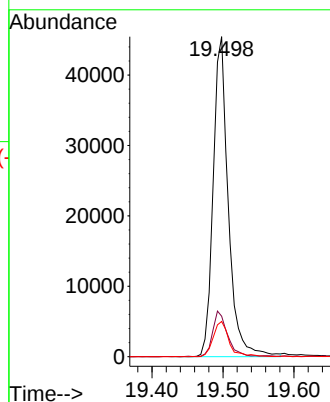
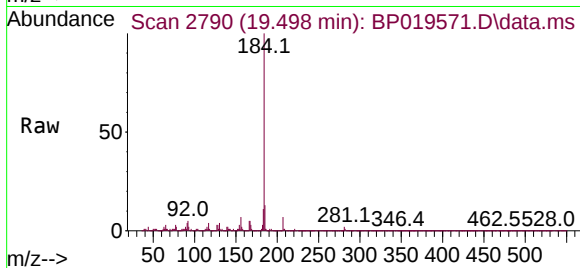
Tgt Ion:184 Resp: 67173

Ion Ratio Lower Upper

184 100

185 12.7 11.1 16.7

183 11.0 9.7 14.5



#78

Pyrene

Concen: 6.142 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

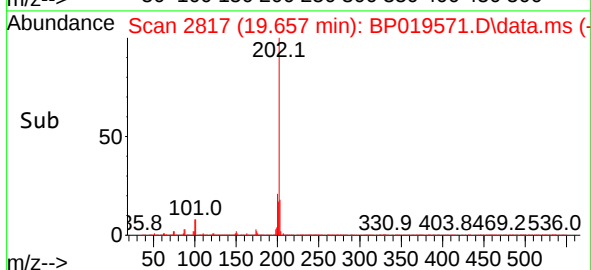
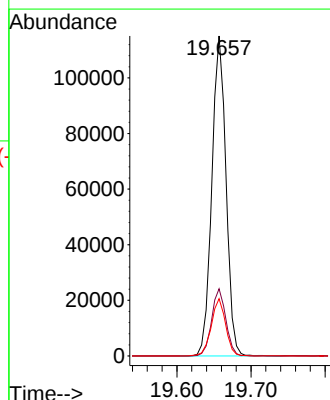
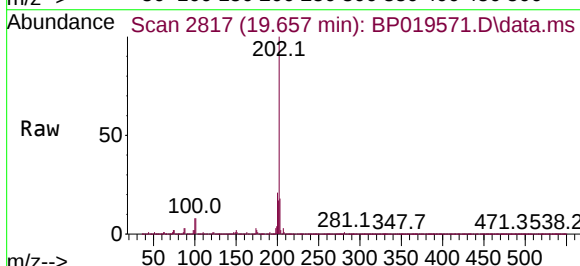
Tgt Ion:202 Resp: 152471

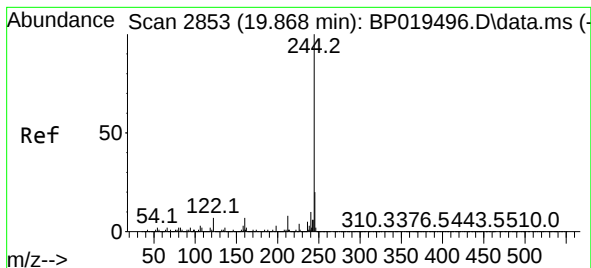
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 61.219 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

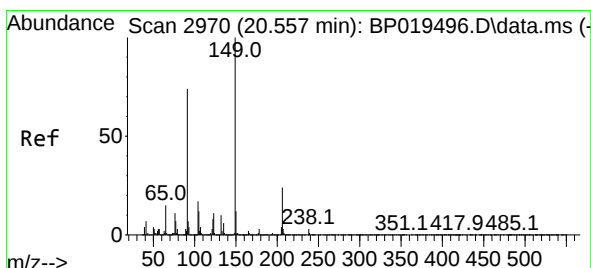
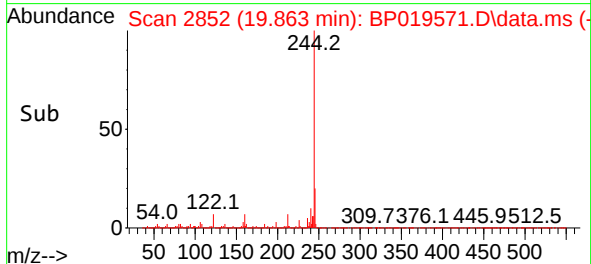
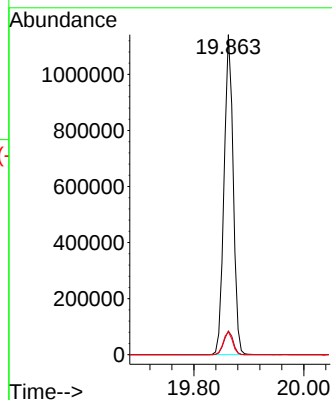
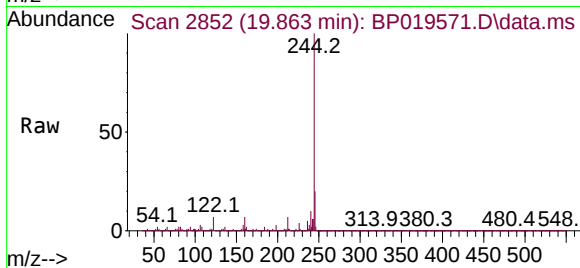
Tgt Ion:244 Resp: 1309326

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 7.1 5.9 8.9



#80

Butylbenzylphthalate

Concen: 4.753 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

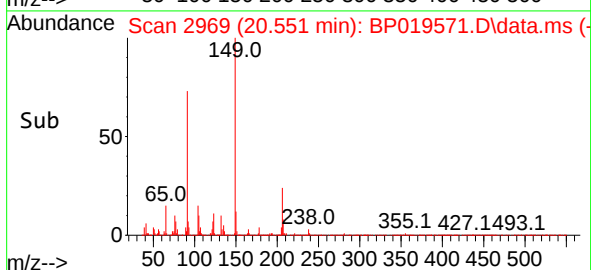
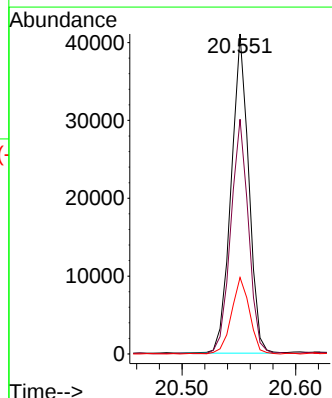
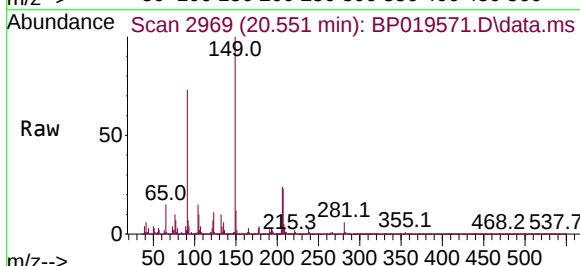
Tgt Ion:149 Resp: 44063

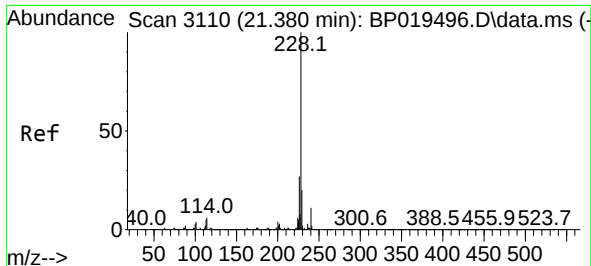
Ion Ratio Lower Upper

149 100

91 73.3 59.4 89.0

206 23.9 19.0 28.6

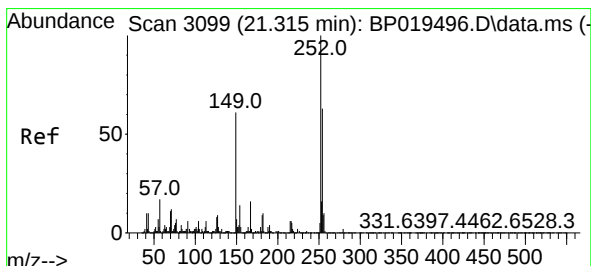
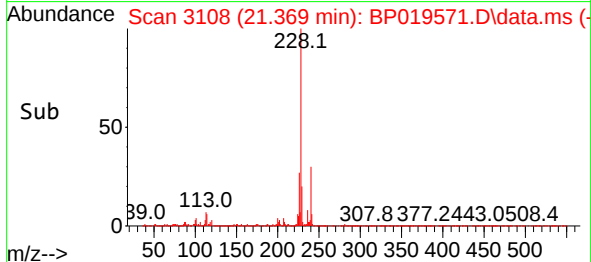
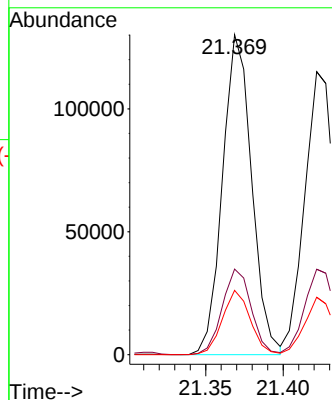
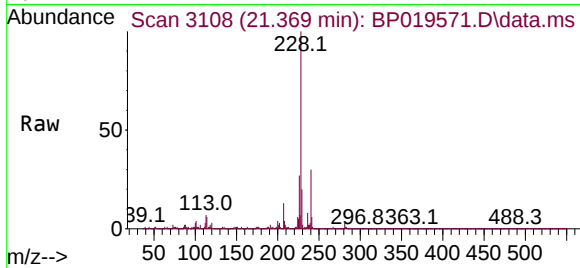




#81
Benzo(a)anthracene
Concen: 6.881 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

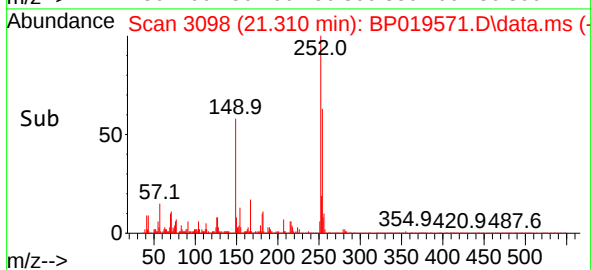
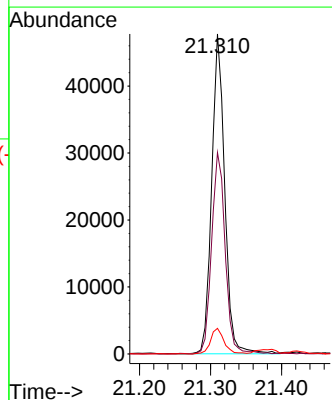
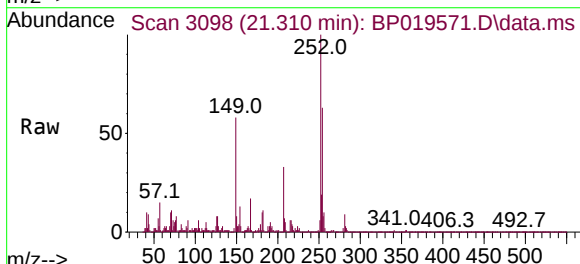
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2024

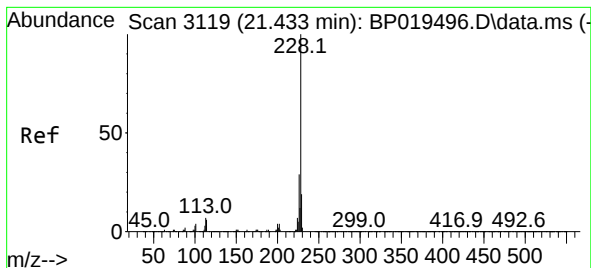
Tgt Ion:228 Resp: 170356
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 20.1 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 6.742 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:252 Resp: 60828
Ion Ratio Lower Upper
252 100
254 63.0 50.7 76.1
126 8.0 6.4 9.6





#83

Chrysene

Concen: 6.599 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

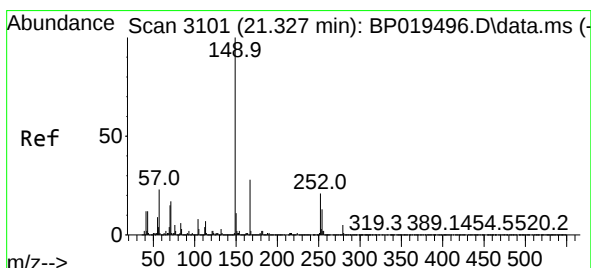
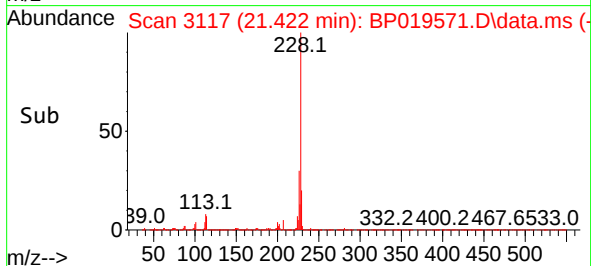
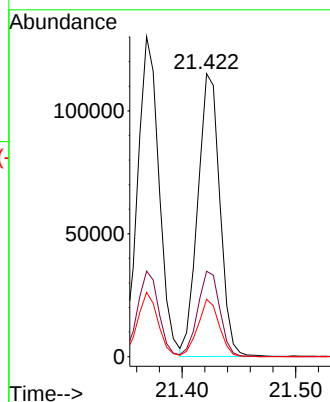
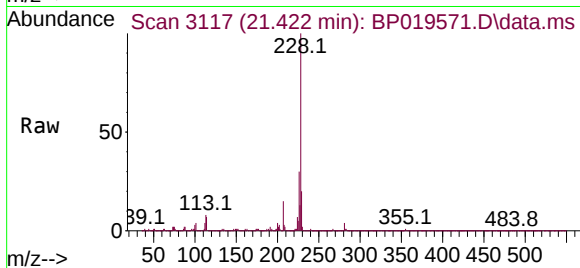
Tgt Ion:228 Resp: 155117

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.062 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

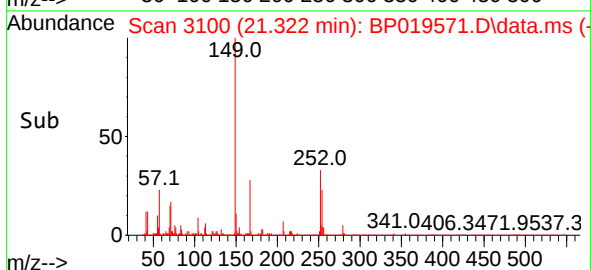
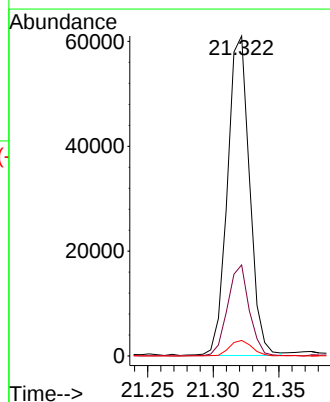
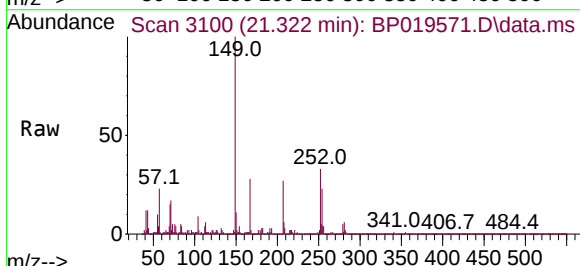
Tgt Ion:149 Resp: 71457

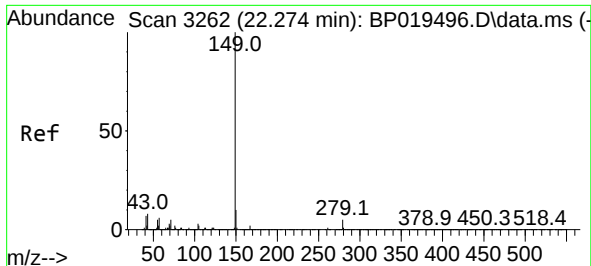
Ion Ratio Lower Upper

149 100

167 28.4 22.7 34.1

279 4.9 4.2 6.2

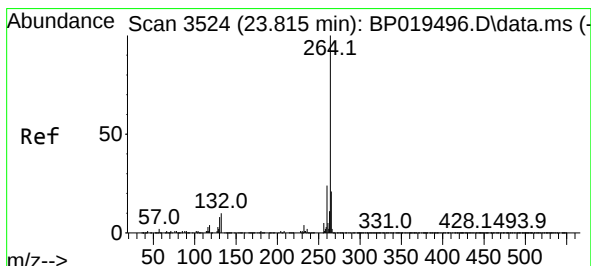
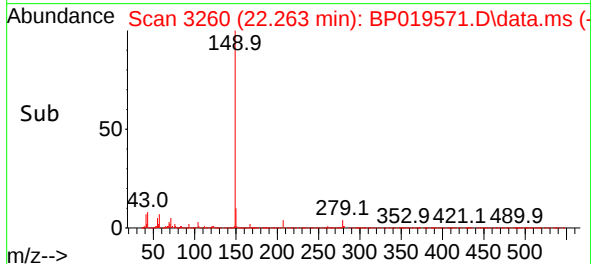
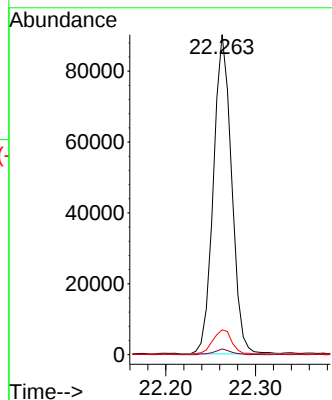
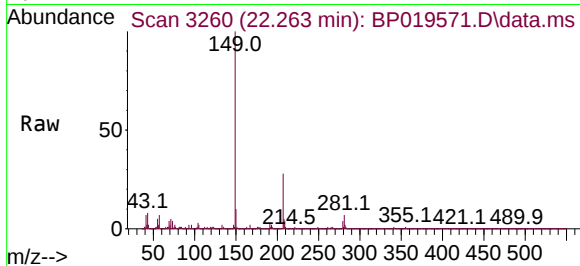




#85
Di-n-octyl phthalate
Concen: 5.096 ng
RT: 22.263 min Scan# 31
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

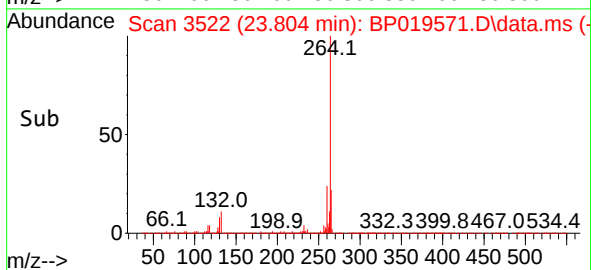
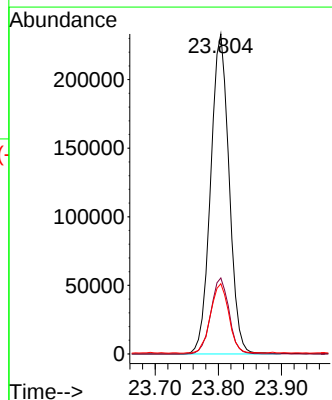
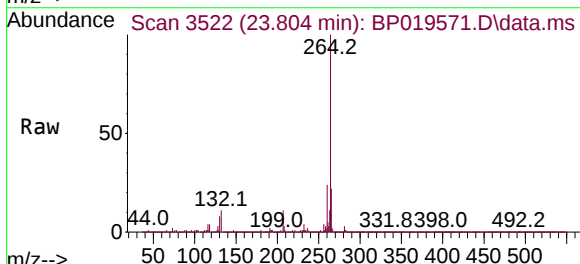
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

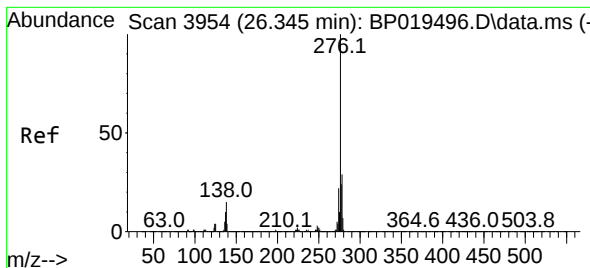
Tgt Ion:149 Resp: 126556
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.804 min Scan# 3522
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:264 Resp: 472501
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.739 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

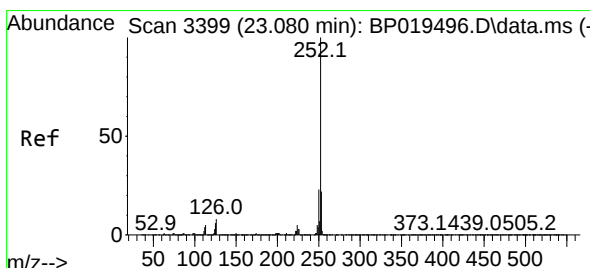
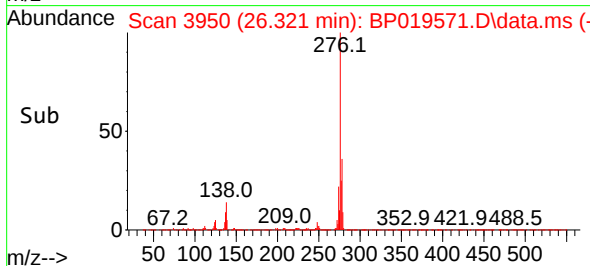
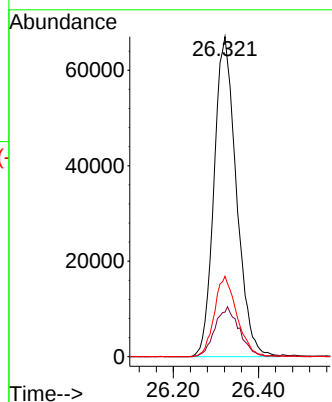
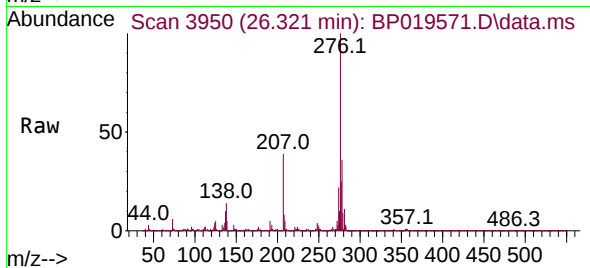
Tgt Ion:276 Resp: 243729

Ion Ratio Lower Upper

276 100

138 16.9 13.1 19.7

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.266 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

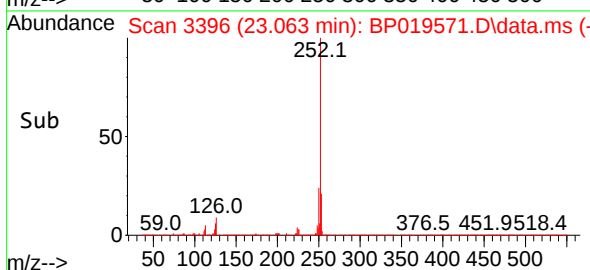
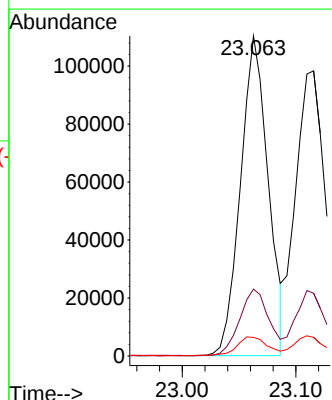
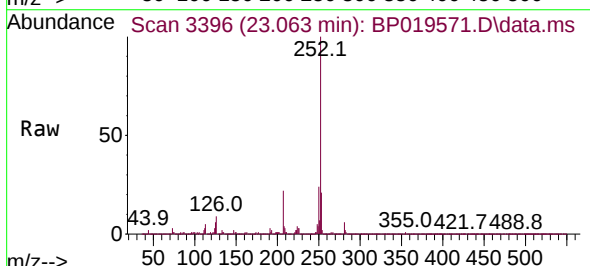
Tgt Ion:252 Resp: 186587

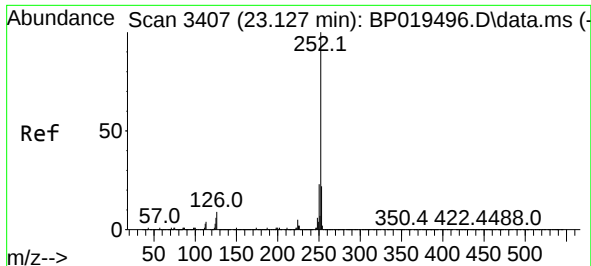
Ion Ratio Lower Upper

252 100

253 20.9 17.3 25.9

125 5.8 4.9 7.3

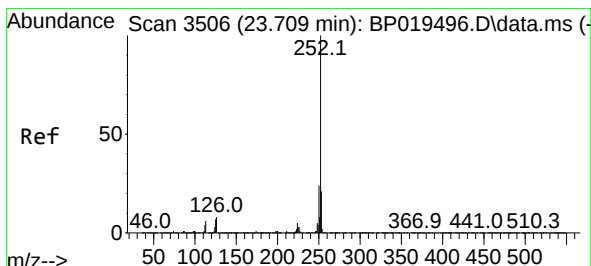
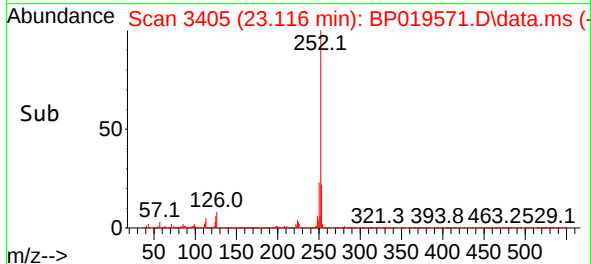
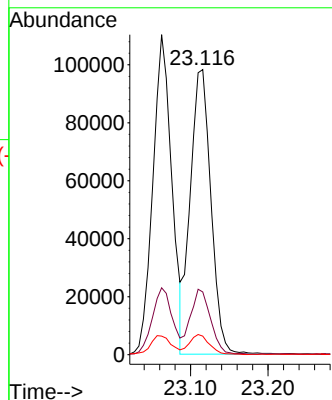
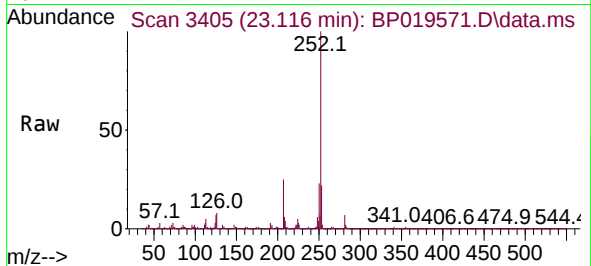




#89
Benzo(k)fluoranthene
Concen: 6.395 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

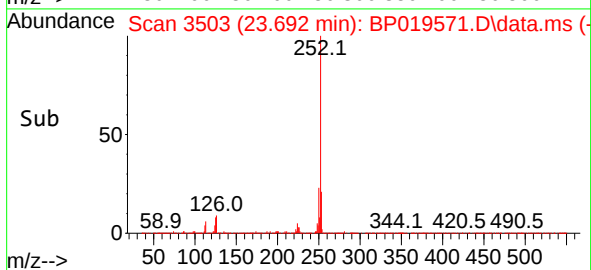
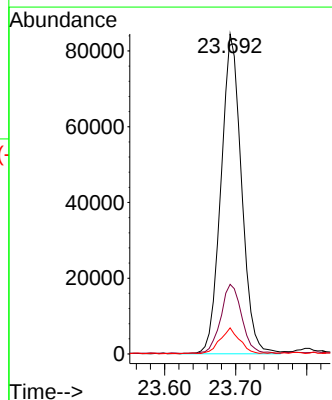
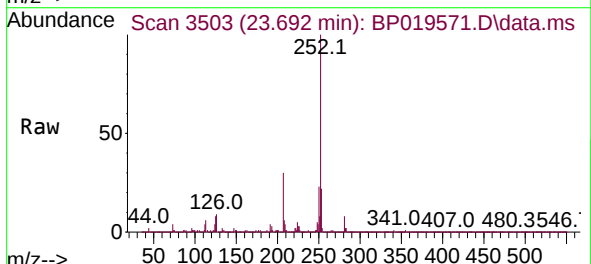
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2024

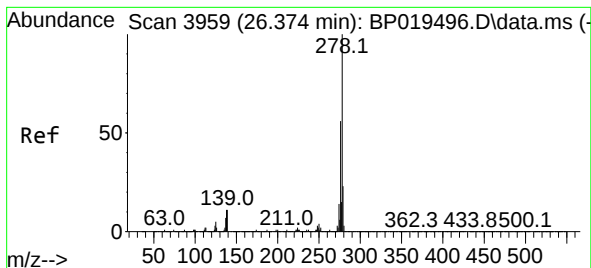
Tgt Ion:252 Resp: 181908
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.5 5.0 7.6



#90
Benzo(a)pyrene
Concen: 6.368 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019571.D
Acq: 06 Feb 2024 13:37

Tgt Ion:252 Resp: 168737
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 8.2 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 6.793 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2024

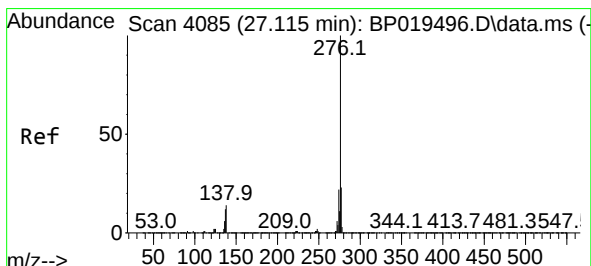
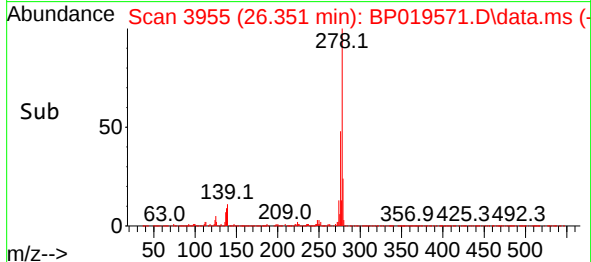
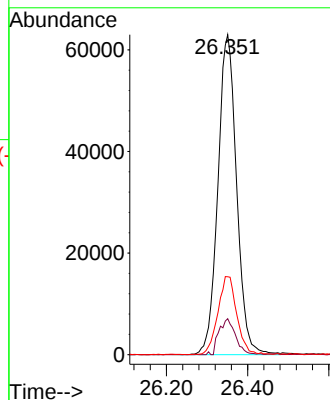
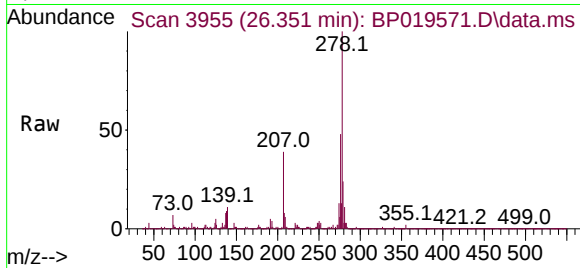
Tgt Ion:278 Resp: 202075

Ion Ratio Lower Upper

278 100

139 11.3 8.6 12.8

279 24.3 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 6.533 ng

RT: 27.092 min Scan# 4081

Delta R.T. -0.023 min

Lab File: BP019571.D

Acq: 06 Feb 2024 13:37

Tgt Ion:276 Resp: 197169

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 13.9 10.9 16.3

