

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020624\
 Data File : BP019568.D
 Acq On : 06 Feb 2024 11:56
 Operator : MA/JU
 Sample : 04699-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Feb 07 01:35:32 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	69032	20.000	ng	0.00
21) Naphthalene-d8	10.705	136	298767	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	226219	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	550686	20.000	ng	0.00
76) Chrysene-d12	21.386	240	498063	20.000	ng	0.00
86) Perylene-d12	23.804	264	487921	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	555201	129.641	ng	0.00
7) Phenol-d6	7.075	99	763938	132.295	ng	-0.01
23) Nitrobenzene-d5	9.075	82	537441	77.947	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	514107	155.650	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1362097	74.435	ng	-0.01
79) Terphenyl-d14	19.863	244	2731556	90.193	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	7372	4.468	ng	96
3) Pyridine	3.793	79	17124	3.828	ng	96
4) n-Nitrosodimethylamine	3.717	42	7311	3.754	ng	# 91
6) Aniline	7.240	93	26880	4.791	ng	97
8) 2-Chlorophenol	7.469	128	16466	3.745	ng	91
9) Benzaldehyde	7.058	77	19500	4.817	ng	96
10) Phenol	7.099	94	22747	3.952	ng	81
11) bis(2-Chloroethyl)ether	7.346	93	18403	4.110	ng	98
12) 1,3-Dichlorobenzene	7.793	146	20469	3.805	ng	96
13) 1,4-Dichlorobenzene	7.940	146	21060	3.864	ng	98
14) 1,2-Dichlorobenzene	8.258	146	19906	3.774	ng	95
15) Benzyl Alcohol	8.158	79	19240	4.170	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.440	45	18699	4.176	ng	96
17) 2-Methylphenol	8.352	107	15196	3.922	ng	96
18) Hexachloroethane	8.981	117	7870	3.725	ng	99
19) n-Nitroso-di-n-propyla...	8.722	70	17110	4.338	ng	98
20) 3+4-Methylphenols	8.681	107	20954	3.963	ng	94
22) Acetophenone	8.740	105	34150	4.012	ng	# 97
24) Nitrobenzene	9.116	77	28036	4.039	ng	96
25) Isophorone	9.640	82	47439	3.951	ng	99
26) 2-Nitrophenol	9.822	139	8494	3.209	ng	97
27) 2,4-Dimethylphenol	9.881	122	14561	4.302	ng	92
28) bis(2-Chloroethoxy)met...	10.134	93	27554	4.056	ng	98
29) 2,4-Dichlorophenol	10.352	162	17922	3.503	ng	95
30) 1,2,4-Trichlorobenzene	10.569	180	22761	3.628	ng	95
31) Naphthalene	10.757	128	60705	3.705	ng	99
32) Benzoic acid	9.940	122	8260	2.505	ng	# 79
33) 4-Chloroaniline	10.881	127	25347	4.183	ng	98
34) Hexachlorobutadiene	11.028	225	15741	3.386	ng	91
35) Caprolactam	11.646	113	6175	4.263	ng	# 79
36) 4-Chloro-3-methylphenol	11.993	107	21077	3.778	ng	93
37) 2-Methylnaphthalene	12.369	142	45325	3.997	ng	98
38) 1-Methylnaphthalene	12.581	142	43937	3.943	ng	97
40) 1,2,4,5-Tetrachloroben...	12.728	216	31610	3.623	ng	96
41) Hexachlorocyclopentadiene	12.699	237	15032	3.814	ng	95
43) 2,4,6-Trichlorophenol	12.969	196	16984	3.215	ng	89

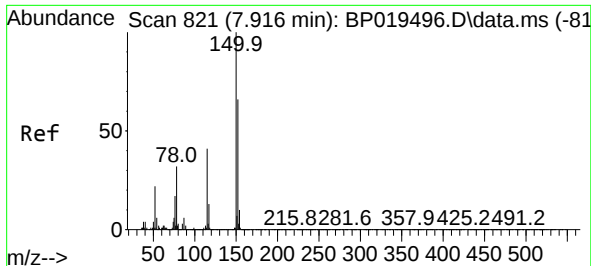
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	18770	3.236	ng	97
46) 1,1'-Biphenyl	13.381	154	65956	3.653	ng	97
47) 2-Chloronaphthalene	13.416	162	52794	3.562	ng	98
48) 2-Nitroaniline	13.628	65	13368	3.226	ng	95
49) Acenaphthylene	14.263	152	82166	3.951	ng	99
50) Dimethylphthalate	14.010	163	70797	4.088	ng	98
51) 2,6-Dinitrotoluene	14.128	165	13546	3.560	ng	95
52) Acenaphthene	14.604	154	48941	3.792	ng	99
53) 3-Nitroaniline	14.451	138	12728	3.640	ng #	92
54) 2,4-Dinitrophenol	14.663	184	5487	2.778	ng #	78
55) Dibenzofuran	14.940	168	85078	4.048	ng	99
56) 4-Nitrophenol	14.757	139	9231	3.221	ng	97
57) 2,4-Dinitrotoluene	14.910	165	17093	3.428	ng	97
58) Fluorene	15.593	166	68285	4.079	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.163	232	18695	3.831	ng	99
60) Diethylphthalate	15.375	149	69743	4.049	ng	99
61) 4-Chlorophenyl-phenyle...	15.593	204	37599	3.996	ng	99
62) 4-Nitroaniline	15.616	138	12913	3.523	ng	94
63) Azobenzene	15.887	77	65635	3.940	ng	98
65) 4,6-Dinitro-2-methylph...	15.669	198	8537	2.719	ng	97
66) n-Nitrosodiphenylamine	15.810	169	58548	3.550	ng	95
67) 4-Bromophenyl-phenylether	16.492	248	23329	3.389	ng	96
68) Hexachlorobenzene	16.587	284	28546	3.551	ng	99
69) Atrazine	16.769	200	24235	4.428	ng	97
70) Pentachlorophenol	16.934	266	13580	2.713	ng	99
71) Phenanthrene	17.339	178	114190	3.940	ng	96
72) Anthracene	17.428	178	111601	3.860	ng	99
73) Carbazole	17.704	167	94120	3.584	ng	98
74) Di-n-butylphthalate	18.269	149	112250	3.535	ng	99
75) Fluoranthene	19.304	202	130742	3.693	ng	99
77) Benzidine	19.492	184	42650	4.096	ng	99
78) Pyrene	19.657	202	137123	3.901	ng	99
80) Butylbenzylphthalate	20.551	149	42452	3.234	ng	97
81) Benzo(a)anthracene	21.369	228	132975	3.793	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	41550	3.252	ng	96
83) Chrysene	21.422	228	121423	3.648	ng	98
84) Bis(2-ethylhexyl)phtha...	21.316	149	62937	3.149	ng	97
85) Di-n-octyl phthalate	22.263	149	87819	2.497	ng #	98
87) Indeno(1,2,3-cd)pyrene	26.315	276	122633	3.283	ng	99
88) Benzo(b)fluoranthene	23.063	252	111986	3.642	ng	95
89) Benzo(k)fluoranthene	23.116	252	108964	3.709	ng	97
90) Benzo(a)pyrene	23.692	252	95909	3.505	ng	99
91) Dibenzo(a,h)anthracene	26.351	278	101277	3.297	ng #	92
92) Benzo(g,h,i)perylene	27.086	276	99361	3.188	ng	100

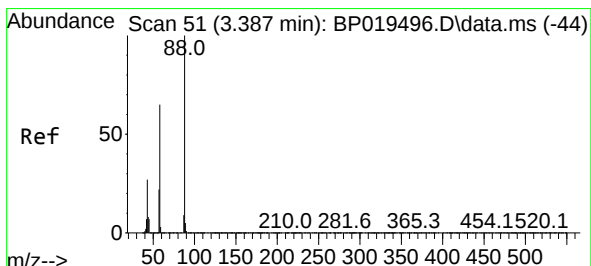
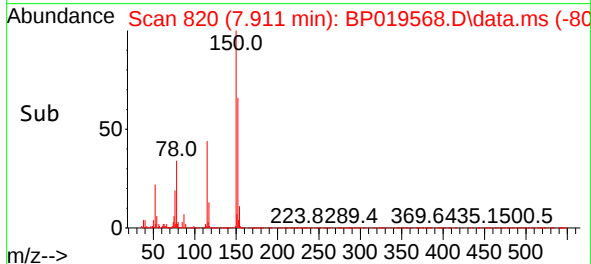
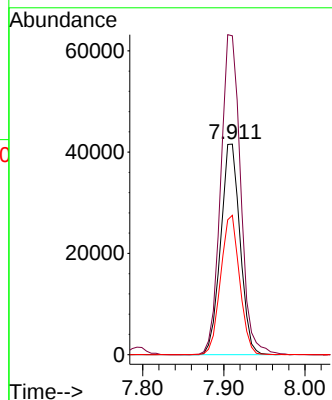
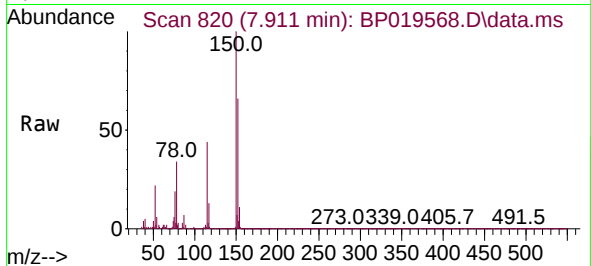
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019568.D
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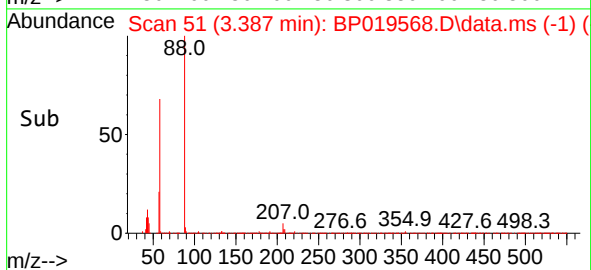
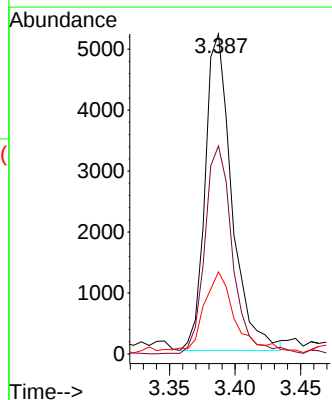
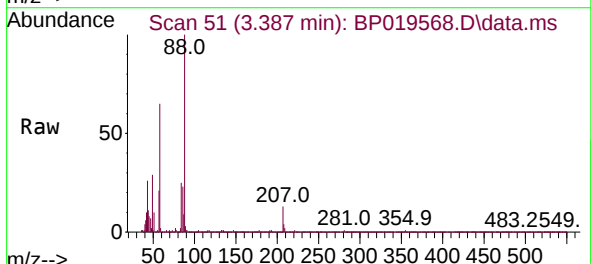
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:152 Resp: 69032
Ion Ratio Lower Upper
152 100
150 151.5 121.8 182.8
115 66.2 49.9 74.9



#2
1,4-Dioxane
Concen: 4.468 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 88 Resp: 7372
Ion Ratio Lower Upper
88 100
58 68.2 52.6 78.8
43 29.9 21.9 32.9





#3

Pyridine

Concen: 3.828 ng

RT: 3.793 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

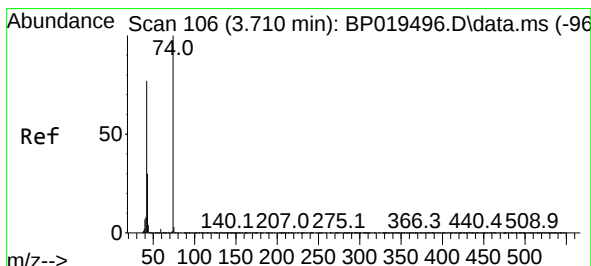
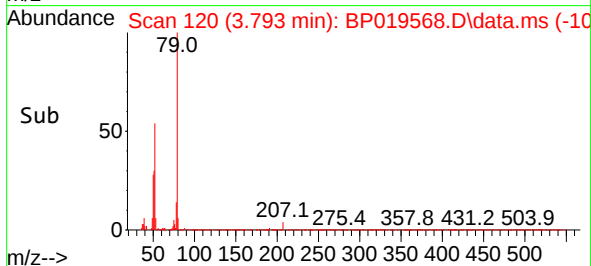
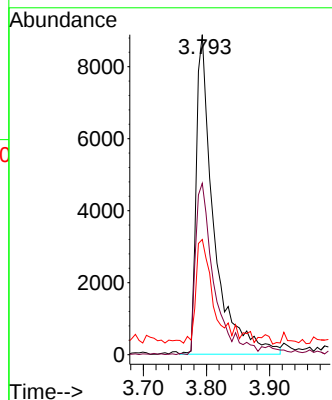
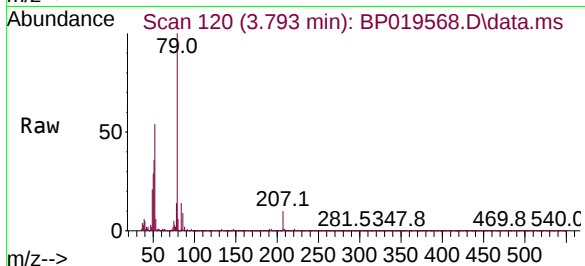
Tgt Ion: 79 Resp: 17124

Ion Ratio Lower Upper

79 100

52 53.5 45.0 67.6

51 36.0 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 3.754 ng

RT: 3.717 min Scan# 107

Delta R.T. 0.006 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

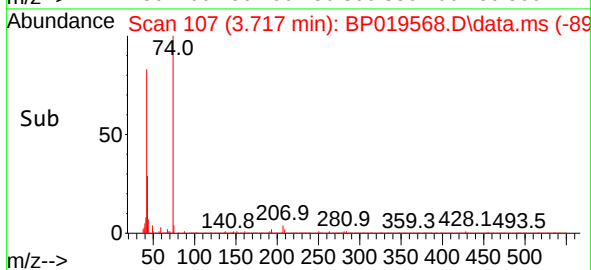
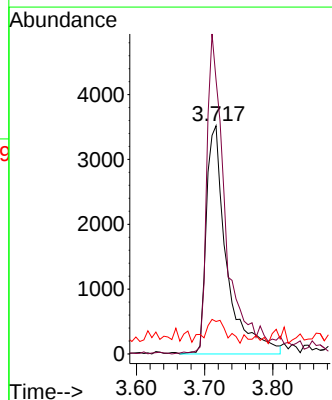
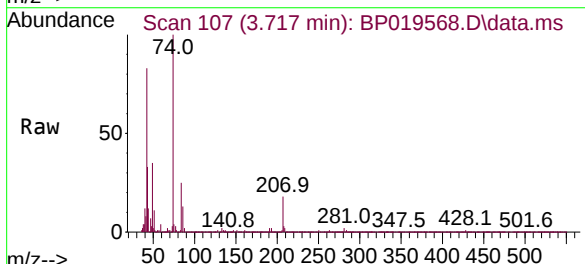
Tgt Ion: 42 Resp: 7311

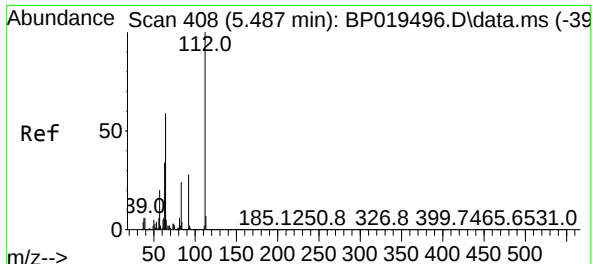
Ion Ratio Lower Upper

42 100

74 120.1 103.4 155.2

44 14.7 4.8 7.2#

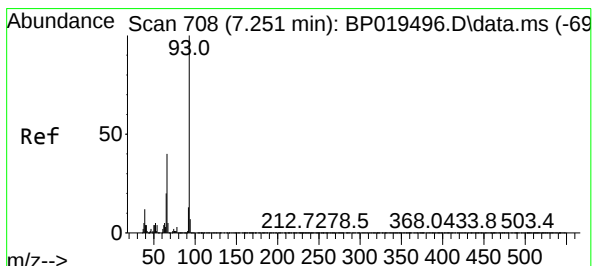
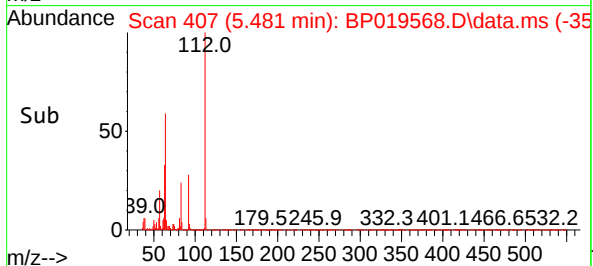
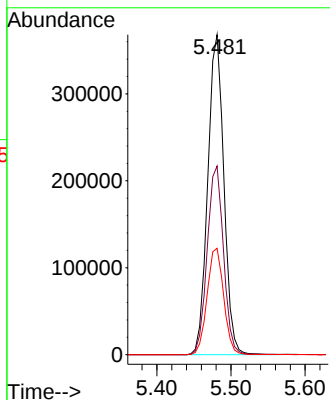
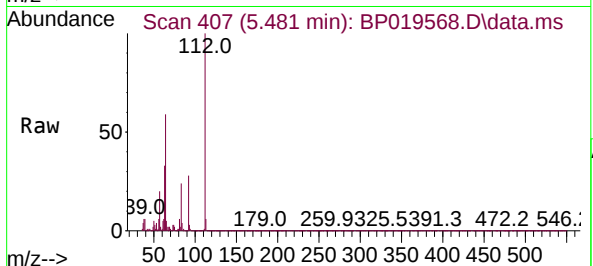




#5
2-Fluorophenol
Concen: 129.641 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

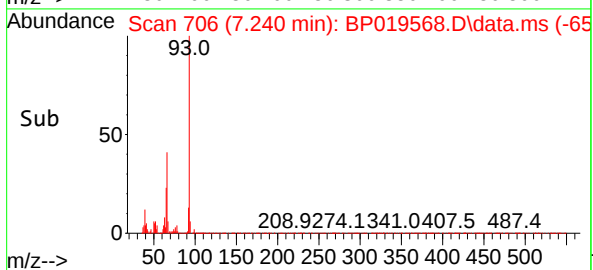
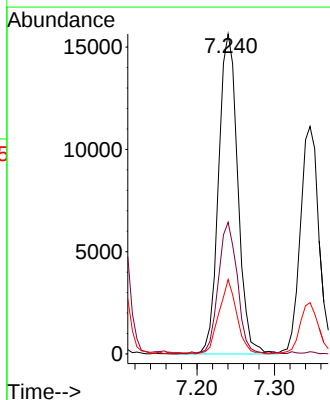
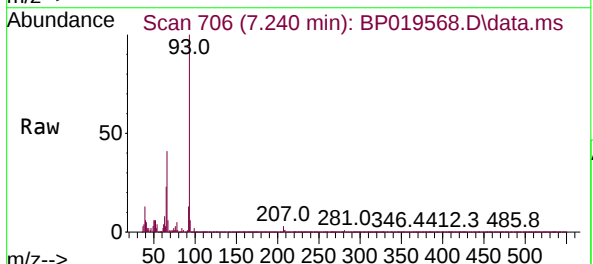
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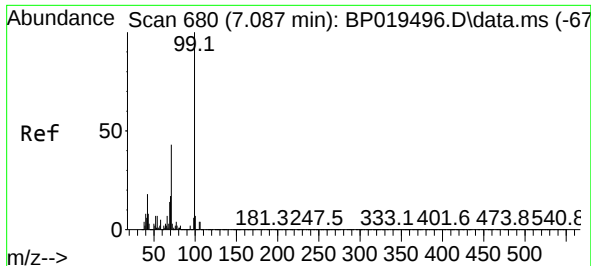
Tgt Ion:112 Resp: 555201
Ion Ratio Lower Upper
112 100
64 58.9 47.4 71.0
63 33.3 27.0 40.6



#6
Aniline
Concen: 4.791 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 93 Resp: 26880
Ion Ratio Lower Upper
93 100
66 41.1 32.3 48.5
65 23.2 16.4 24.6

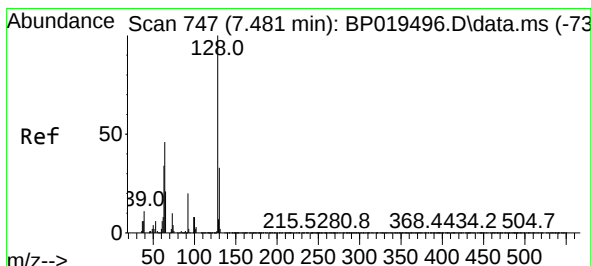
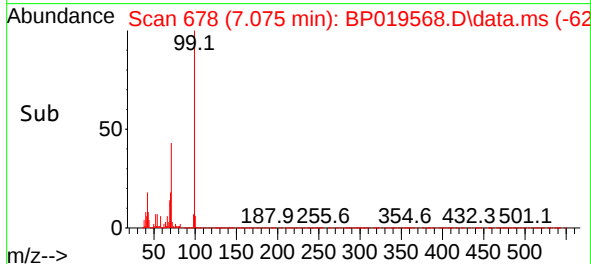
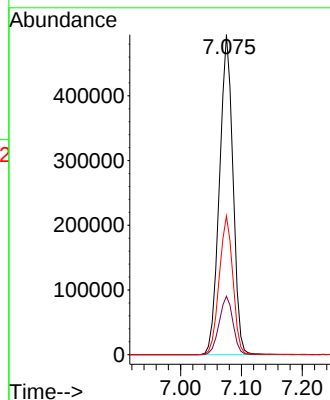
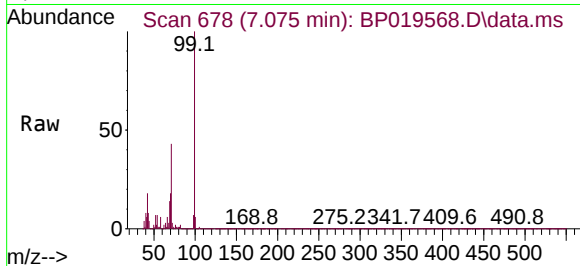




#7
Phenol-d6
Concen: 132.295 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

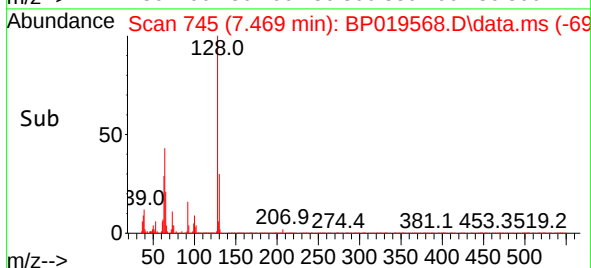
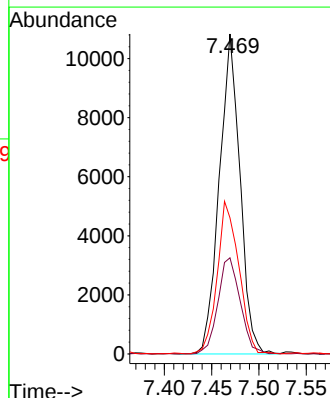
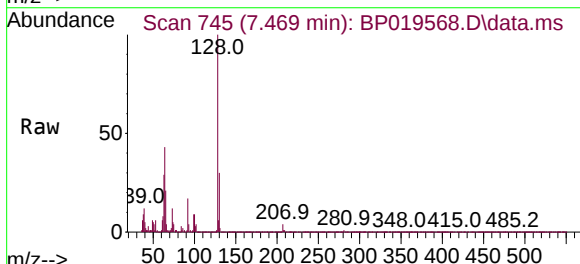
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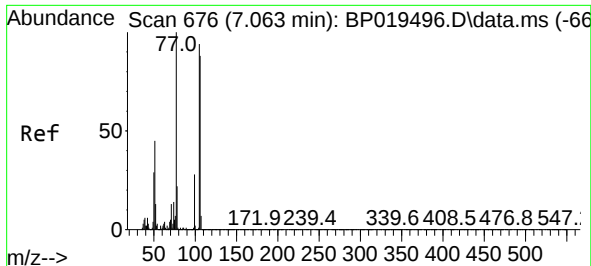
Tgt Ion: 99 Resp: 763938
Ion Ratio Lower Upper
99 100
42 18.3 14.7 22.1
71 43.4 34.8 52.2



#8
2-Chlorophenol
Concen: 3.745 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 128 Resp: 16466
Ion Ratio Lower Upper
128 100
130 30.0 13.3 53.3
64 42.5 29.7 69.7

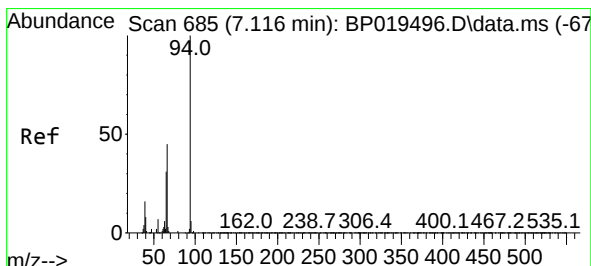
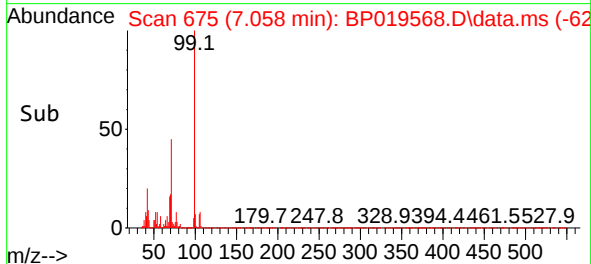
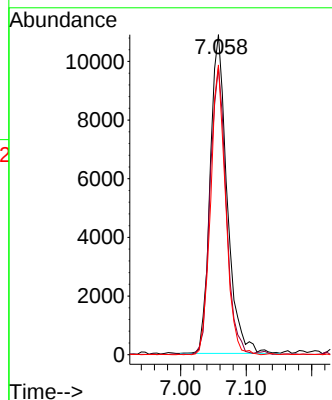
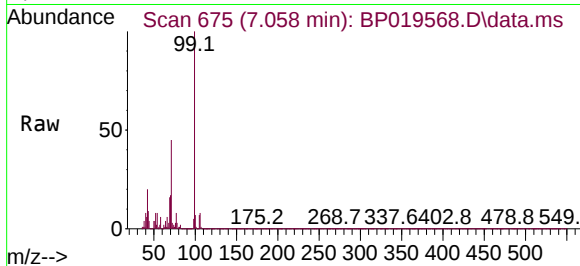




#9
Benzaldehyde
Concen: 4.817 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

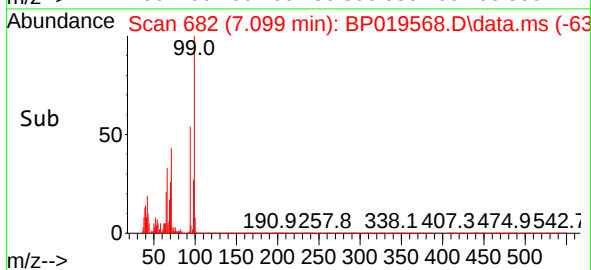
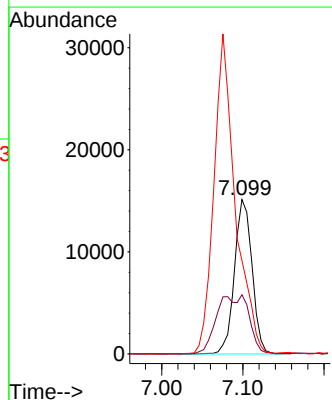
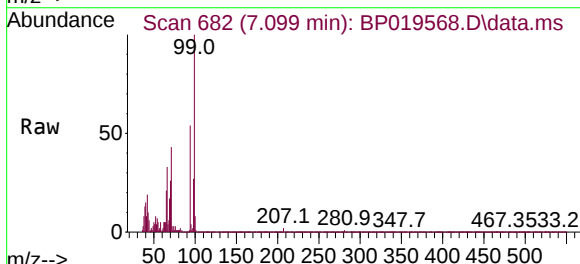
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

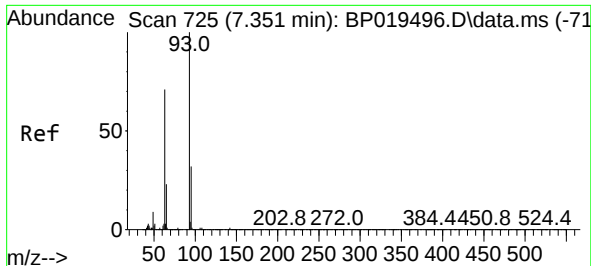
Tgt Ion: 77 Resp: 19500
Ion Ratio Lower Upper
77 100
105 89.8 74.0 114.0
106 90.6 67.8 107.8



#10
Phenol
Concen: 3.952 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.017 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 94 Resp: 22747
Ion Ratio Lower Upper
94 100
65 38.4 11.3 51.3
66 60.6 25.1 65.1

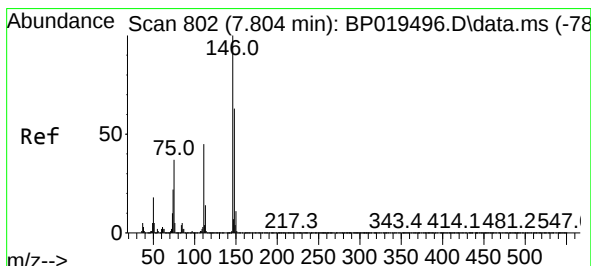
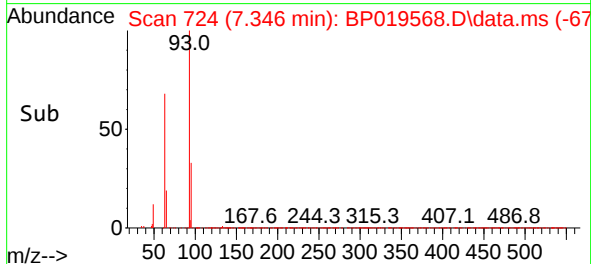
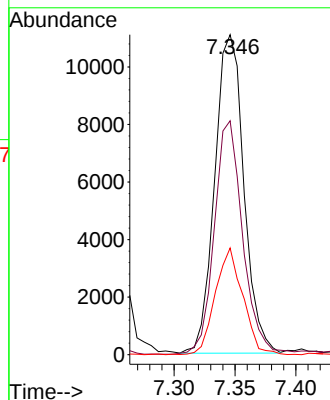
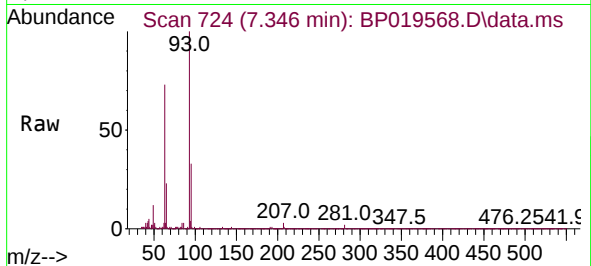




#11
bis(2-Chloroethyl)ether
Concen: 4.110 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

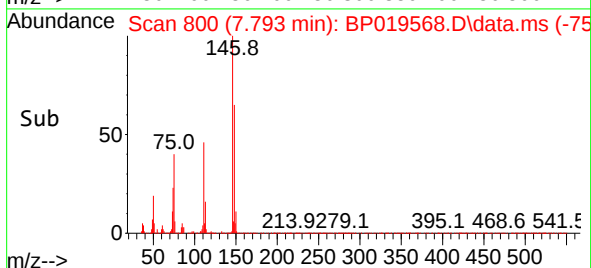
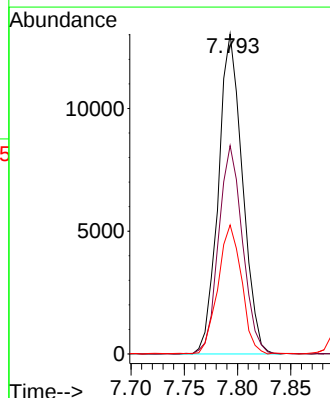
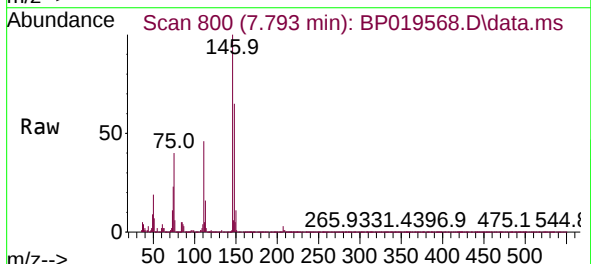
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 93 Resp: 18403
Ion Ratio Lower Upper
93 100
63 73.1 51.2 91.2
95 33.4 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 3.805 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:146 Resp: 20469
Ion Ratio Lower Upper
146 100
148 65.1 50.4 75.6
75 40.3 29.9 44.9

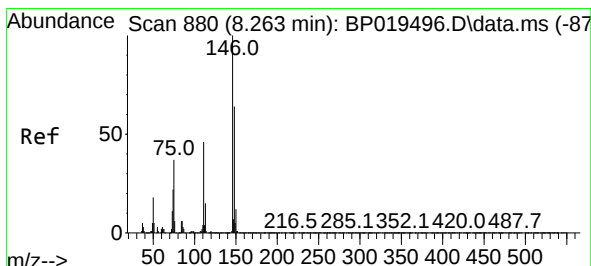
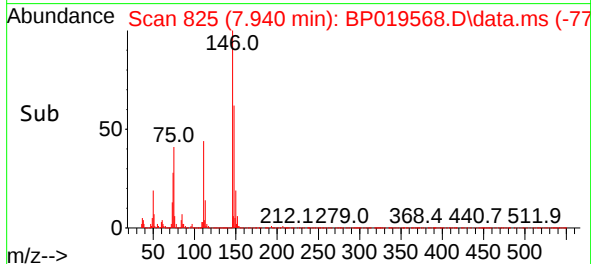
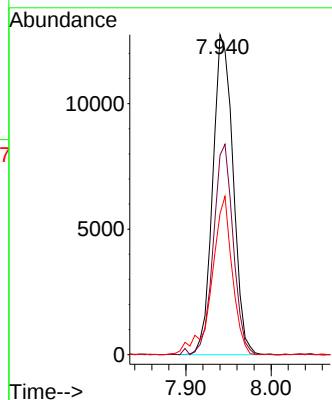
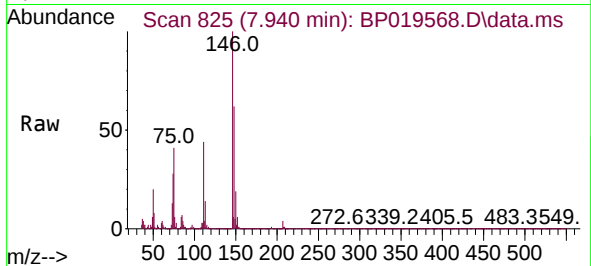




#13
1,4-Dichlorobenzene
Concen: 3.864 ng
RT: 7.940 min Scan# 811
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

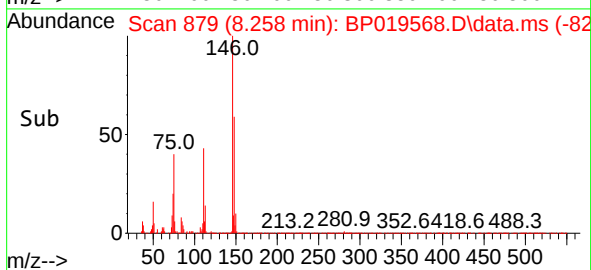
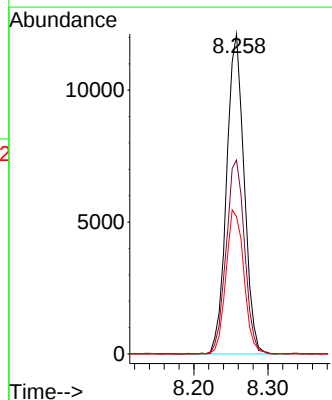
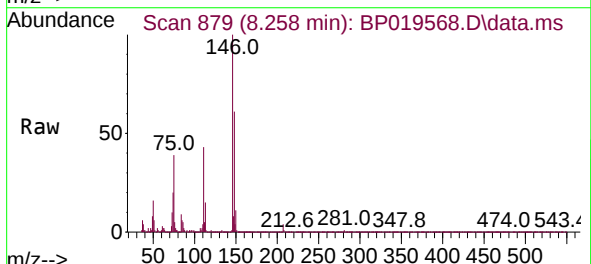
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

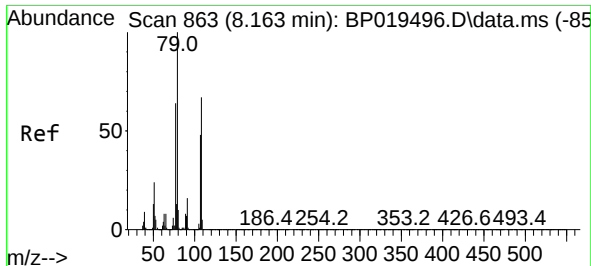
Tgt Ion:146 Resp: 21060
Ion Ratio Lower Upper
146 100
148 62.4 51.9 77.9
111 44.1 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 3.774 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:146 Resp: 19906
Ion Ratio Lower Upper
146 100
148 60.6 51.4 77.0
111 42.9 37.0 55.6

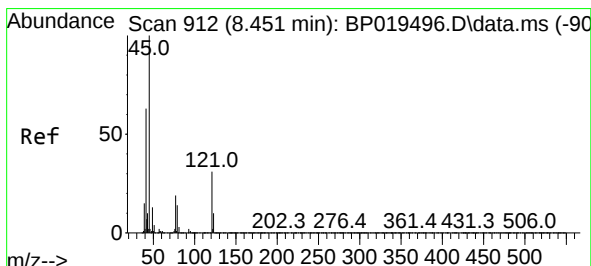
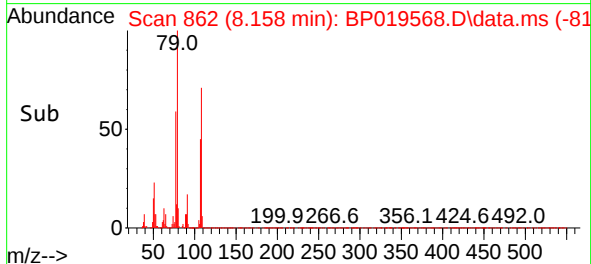
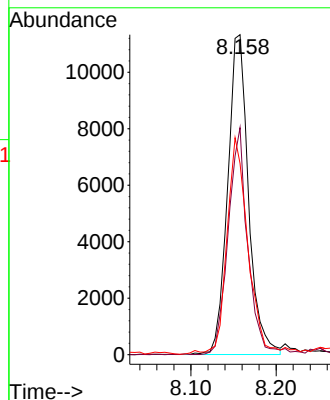
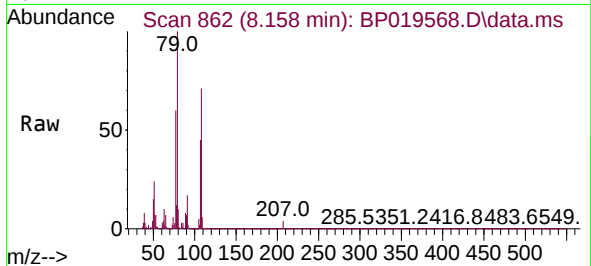




#15
Benzyl Alcohol
Concen: 4.170 ng
RT: 8.158 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

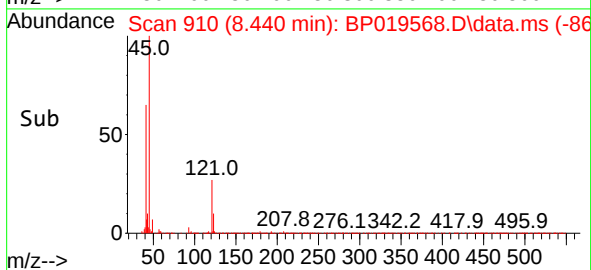
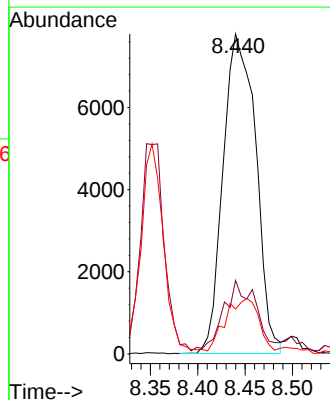
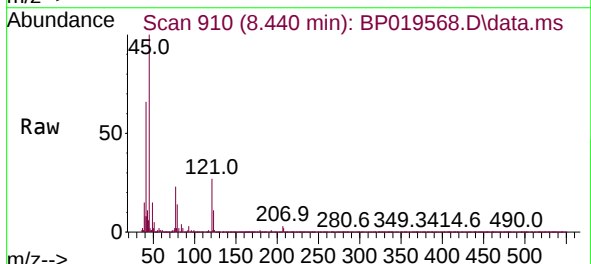
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

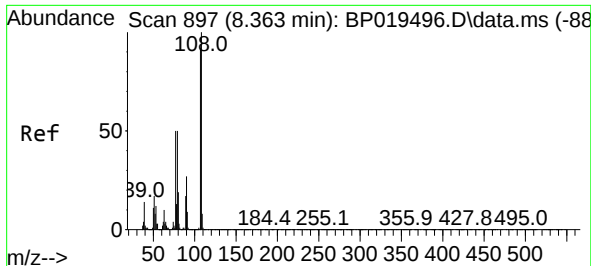
Tgt Ion: 79 Resp: 19240
Ion Ratio Lower Upper
79 100
108 71.0 53.8 80.6
77 59.7 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.176 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 45 Resp: 18699
Ion Ratio Lower Upper
45 100
77 23.0 0.8 40.8
79 14.1 0.0 35.5

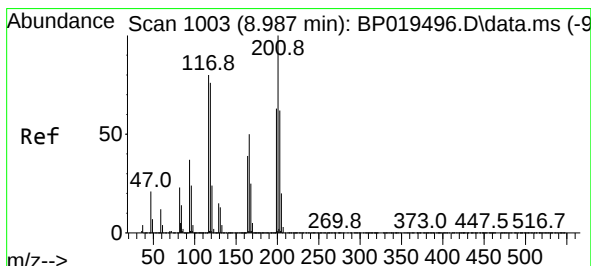
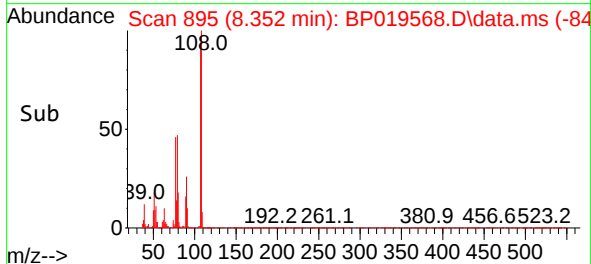
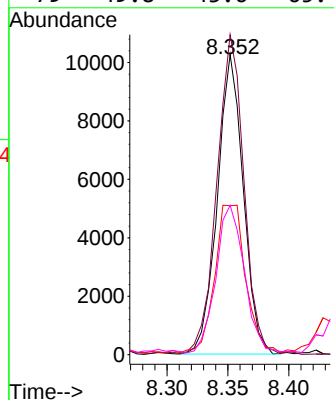
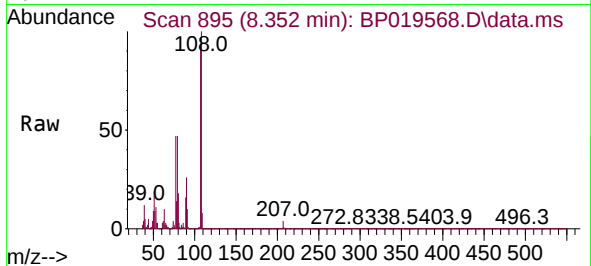




#17
2-Methylphenol
Concen: 3.922 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

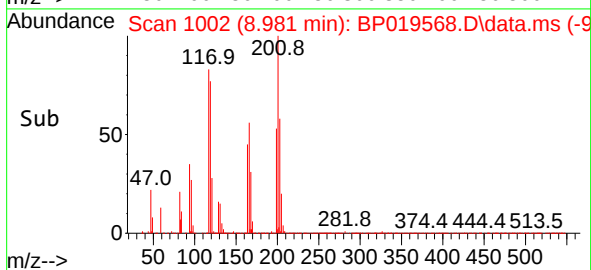
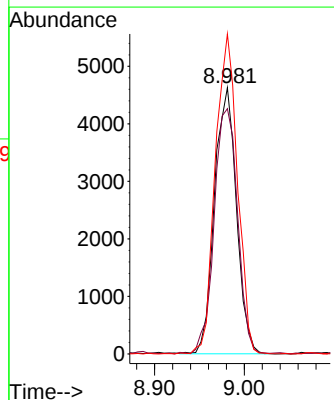
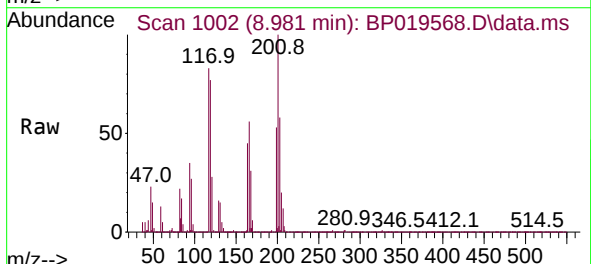
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

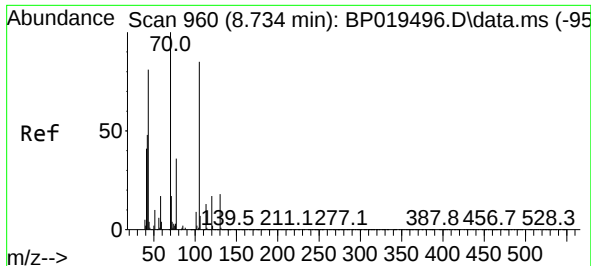
Tgt Ion:	107	Resp:	15196
Ion	Ratio	Lower	Upper
107	100		
108	106.6	87.0	130.6
77	49.6	43.5	65.3
79	49.8	43.6	65.4



#18
Hexachloroethane
Concen: 3.725 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	117	Resp:	7870
Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.5	113.3
201	123.5	99.4	149.2

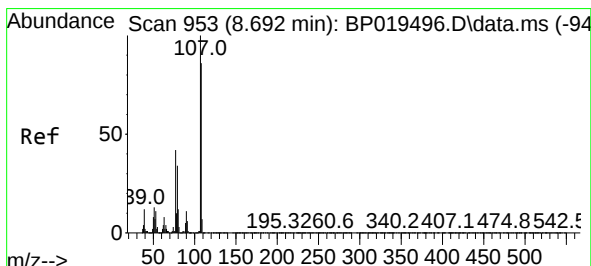
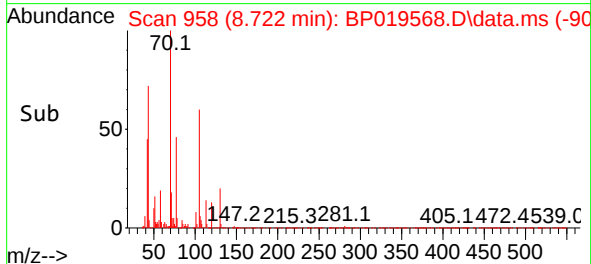
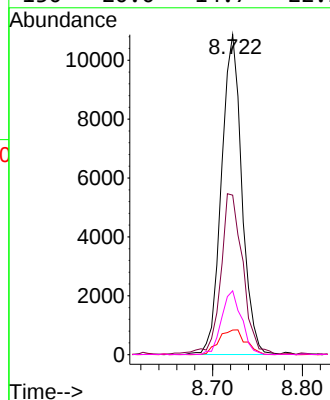
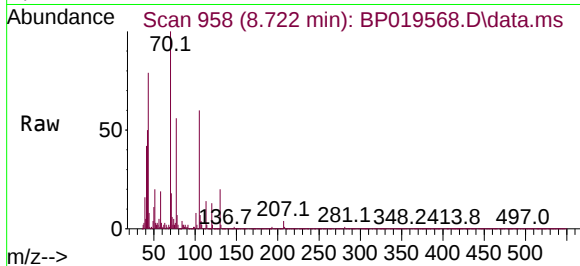




#19
n-Nitroso-di-n-propylamine
Concen: 4.338 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

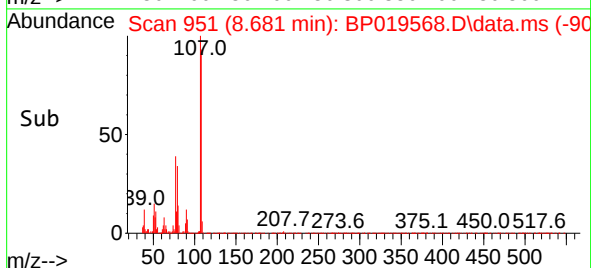
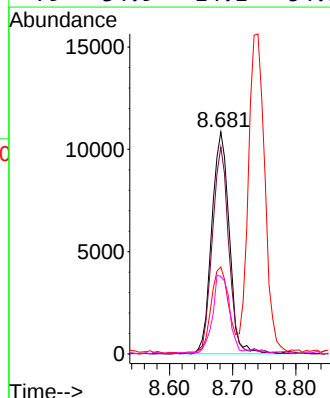
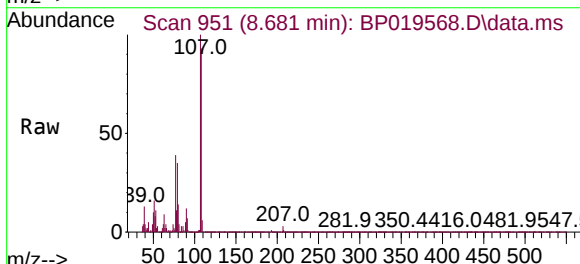
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:	70	Resp:	17110
Ion	Ratio	Lower	Upper
70	100		
42	49.8	39.2	58.8
101	7.7	7.3	10.9
130	20.0	14.7	22.1



#20
3+4-Methylphenols
Concen: 3.963 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	107	Resp:	20954
Ion	Ratio	Lower	Upper
107	100		
108	93.2	65.5	105.5
77	39.2	21.8	61.8
79	34.9	14.1	54.1

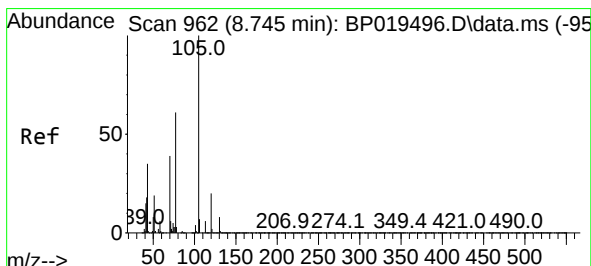
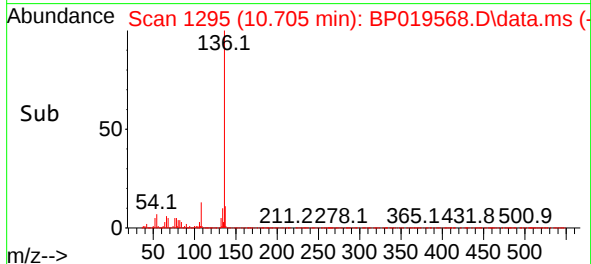
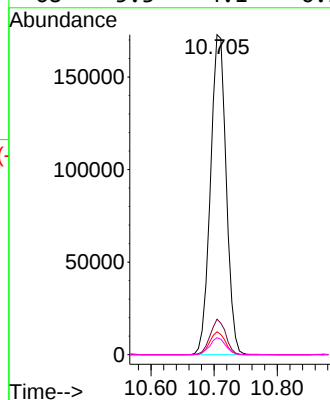
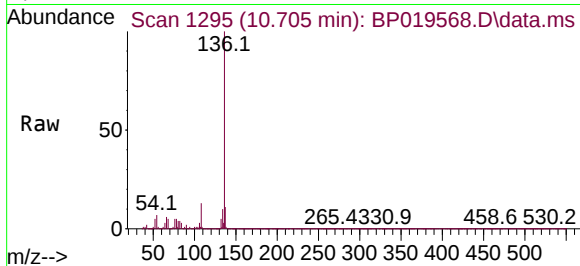




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 11
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

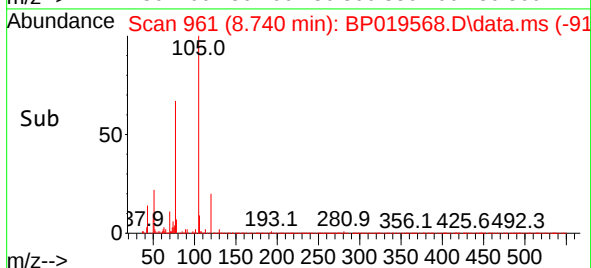
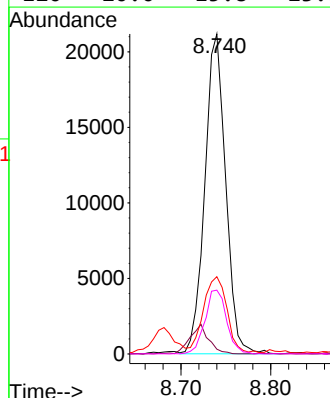
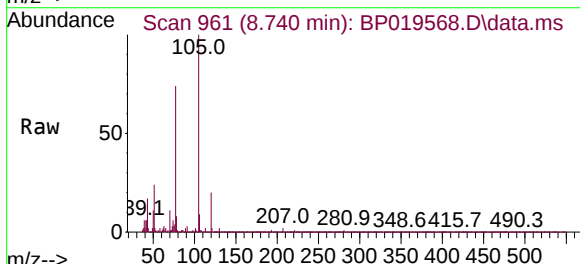
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:	136	Resp:	298767
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.2	5.3	7.9
68	5.3	4.1	6.1



#22
Acetophenone
Concen: 4.012 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	105	Resp:	34150
Ion	Ratio	Lower	Upper
105	100		
71	1.5	4.9	7.3#
51	24.1	20.7	31.1
120	20.0	15.8	23.8





#23

Nitrobenzene-d5

Concen: 77.947 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.011 min

Lab File: BP019568.D

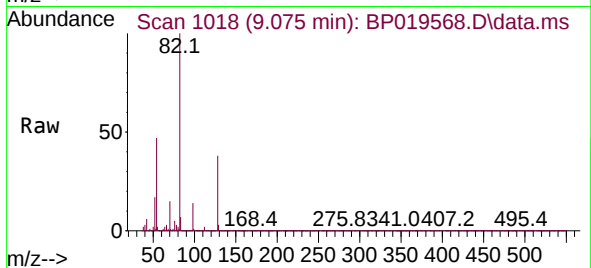
Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023



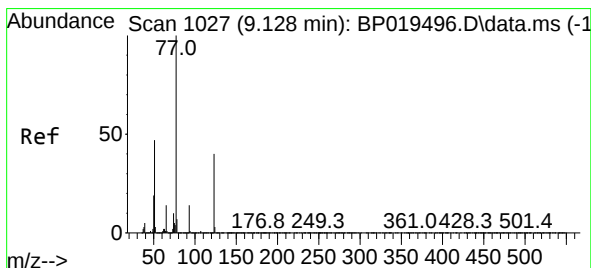
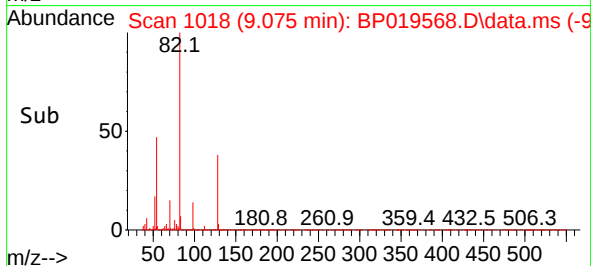
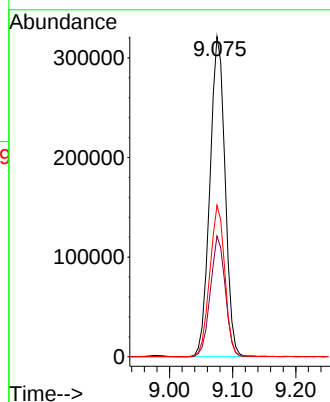
Tgt Ion: 82 Resp: 537441

Ion Ratio Lower Upper

82 100

128 37.7 29.7 44.5

54 47.3 36.8 55.2



#24

Nitrobenzene

Concen: 4.039 ng

RT: 9.116 min Scan# 1025

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

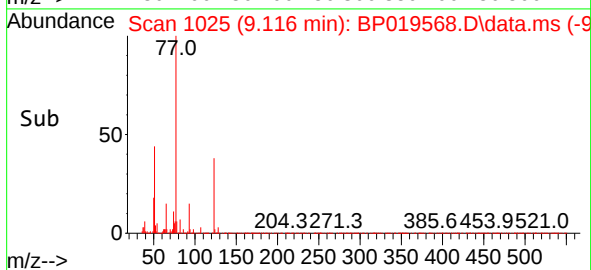
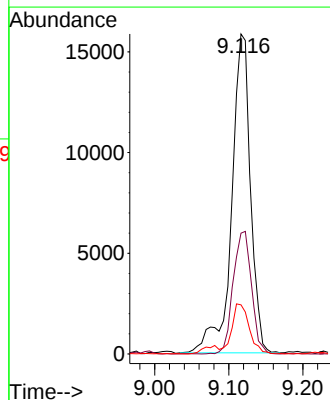
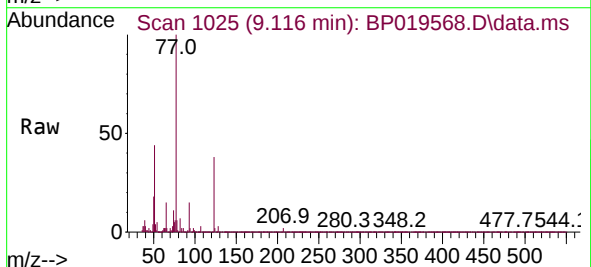
Tgt Ion: 77 Resp: 28036

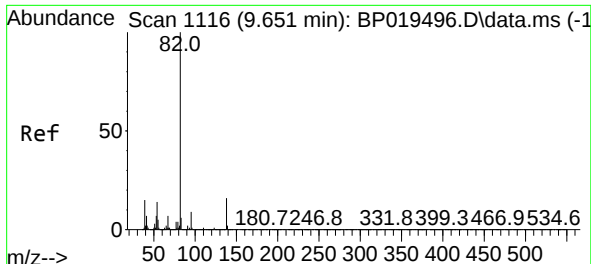
Ion Ratio Lower Upper

77 100

123 37.8 32.3 48.5

65 15.3 11.6 17.4

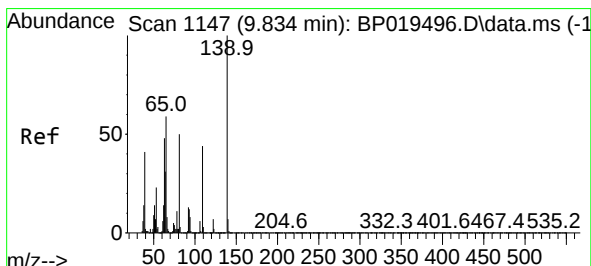
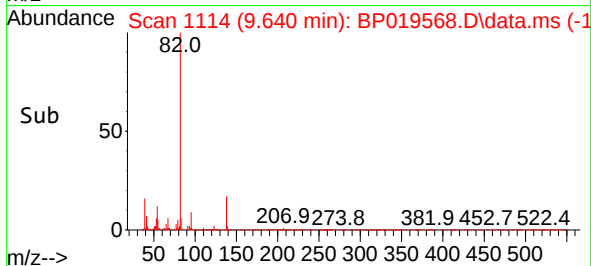
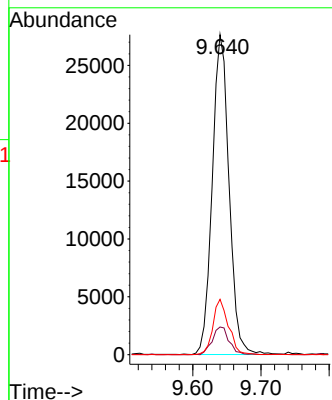
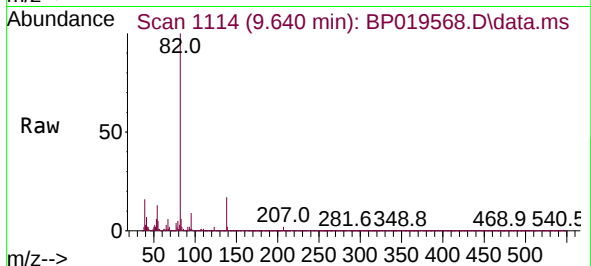




#25
Isophorone
Concen: 3.951 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

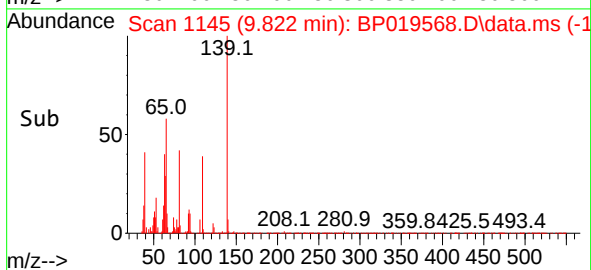
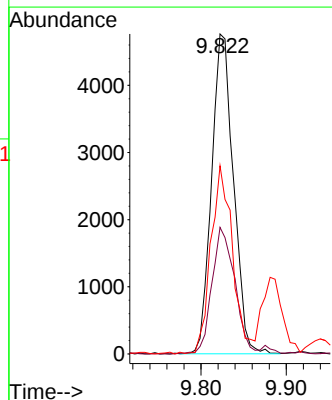
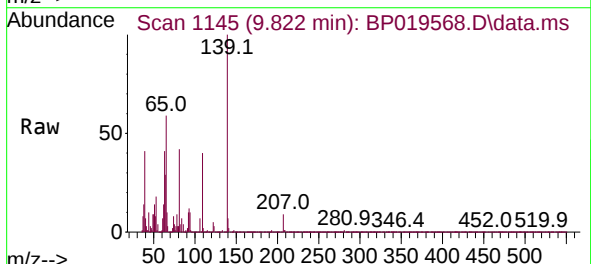
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 82 Resp: 47439
Ion Ratio Lower Upper
82 100
95 8.6 7.0 10.4
138 17.3 13.1 19.7



#26
2-Nitrophenol
Concen: 3.209 ng
RT: 9.822 min Scan# 1145
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 139 Resp: 8494
Ion Ratio Lower Upper
139 100
109 39.6 34.9 52.3
65 58.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 4.302 ng

RT: 9.881 min Scan# 1155

Delta R.T. -0.017 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

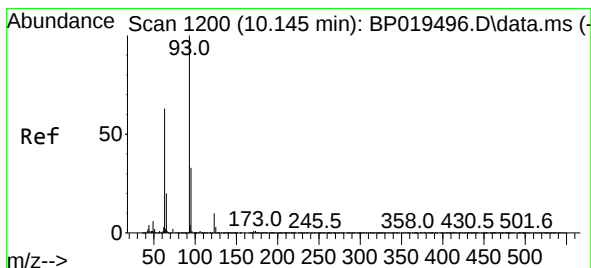
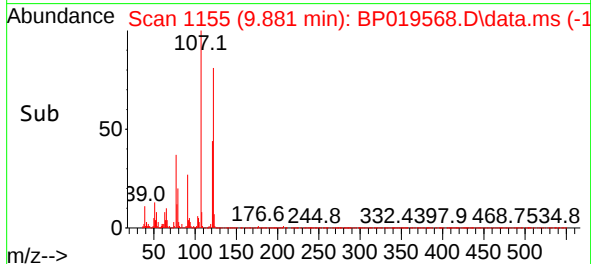
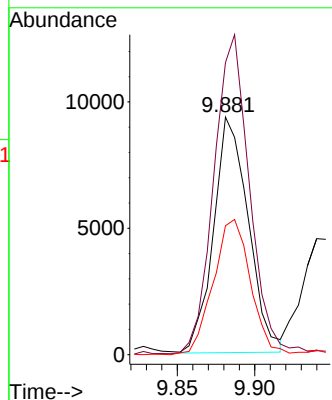
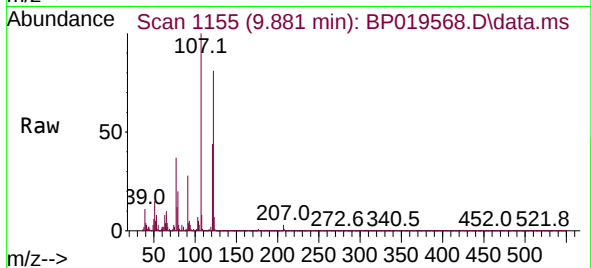
Tgt Ion:122 Resp: 14561

Ion Ratio Lower Upper

122 100

107 123.0 105.9 158.9

121 54.2 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 4.056 ng

RT: 10.134 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

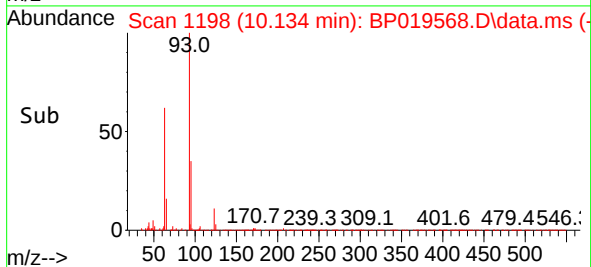
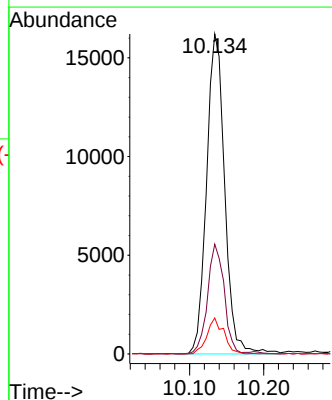
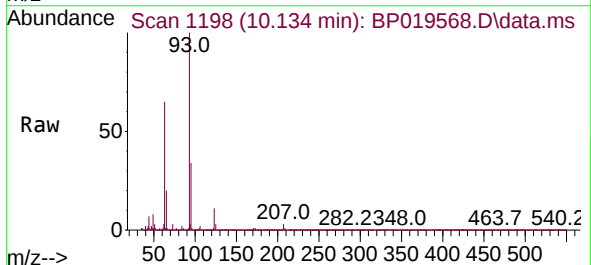
Tgt Ion: 93 Resp: 27554

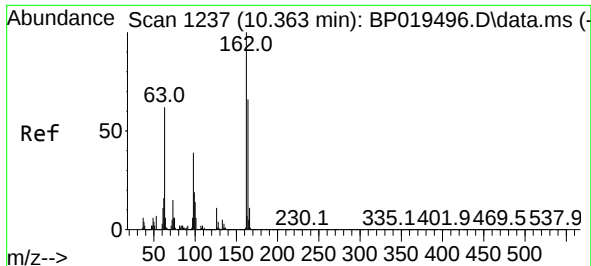
Ion Ratio Lower Upper

93 100

95 34.3 26.2 39.4

123 11.2 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 3.503 ng

RT: 10.352 min Scan# 11

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

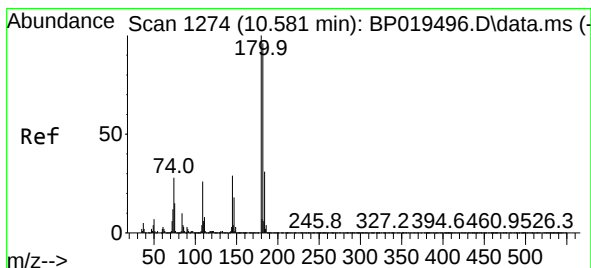
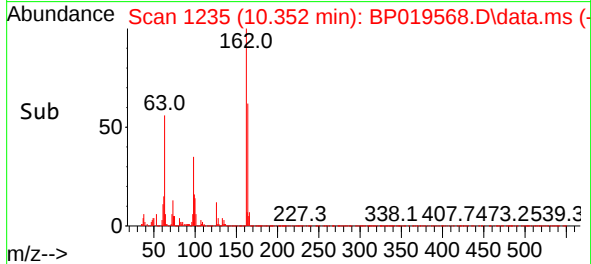
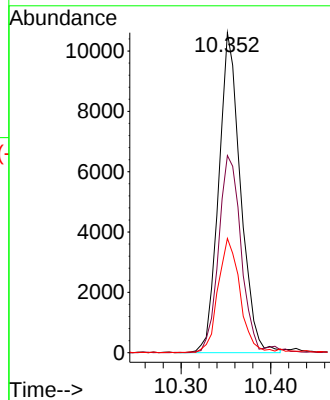
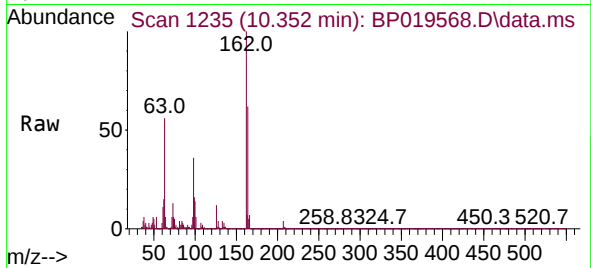
Tgt Ion:162 Resp: 17922

Ion Ratio Lower Upper

162 100

164 61.6 46.0 86.0

98 35.7 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 3.628 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

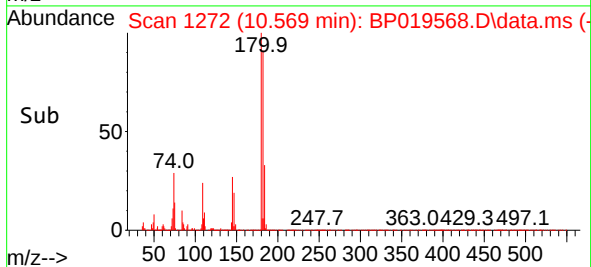
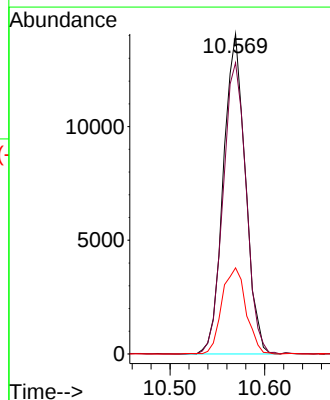
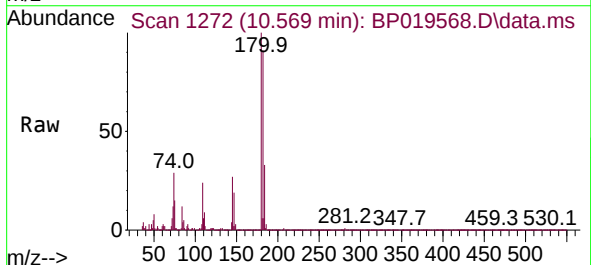
Tgt Ion:180 Resp: 22761

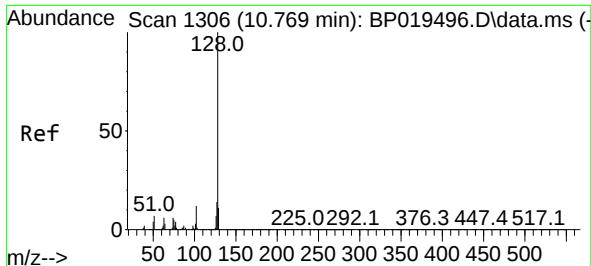
Ion Ratio Lower Upper

180 100

182 91.0 77.0 115.6

145 26.9 23.2 34.8

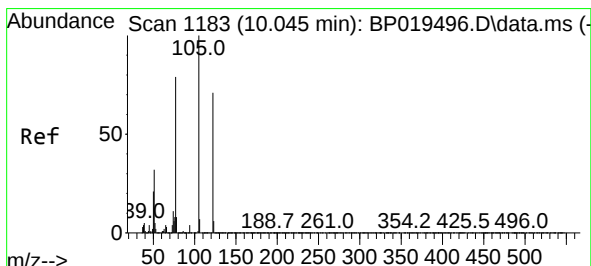
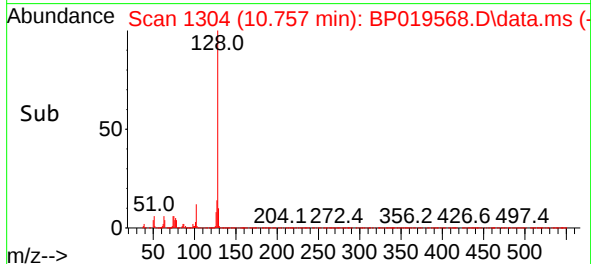
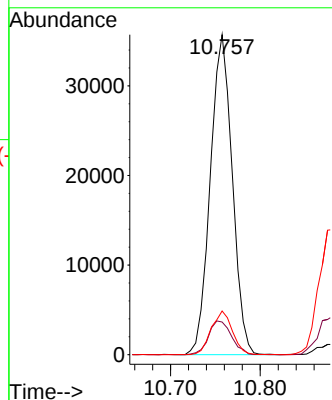
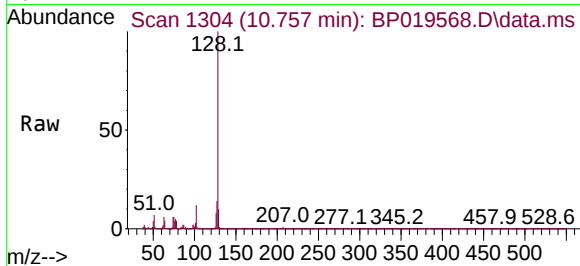




#31
Naphthalene
Concen: 3.705 ng
RT: 10.757 min Scan# 1165
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

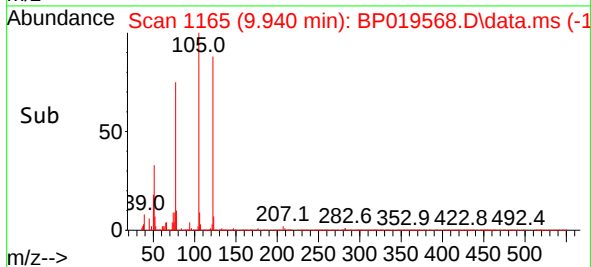
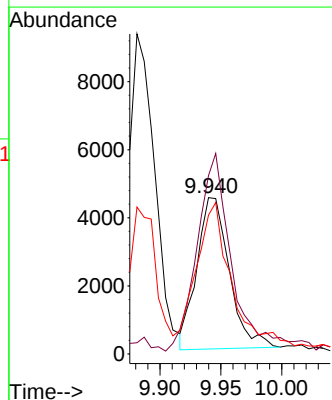
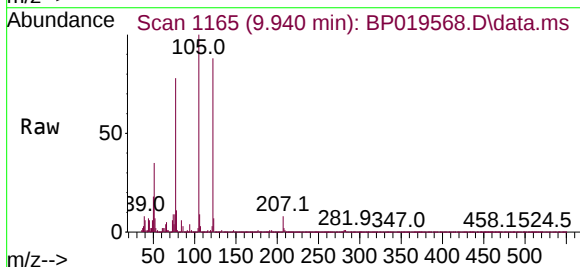
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

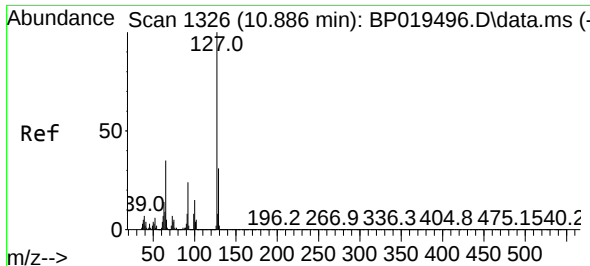
Tgt Ion:128 Resp: 60705
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 13.7 10.8 16.2



#32
Benzoic acid
Concen: 2.505 ng
RT: 9.940 min Scan# 1165
Delta R.T. -0.105 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:122 Resp: 8260
Ion Ratio Lower Upper
122 100
105 114.1 118.8 158.8#
77 88.9 91.7 131.7#

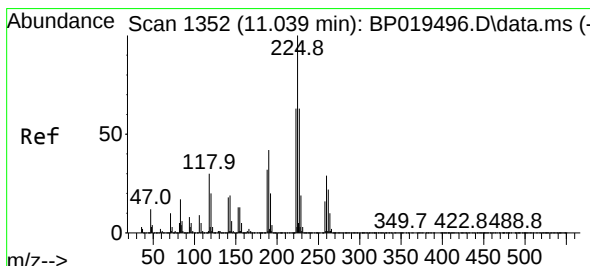
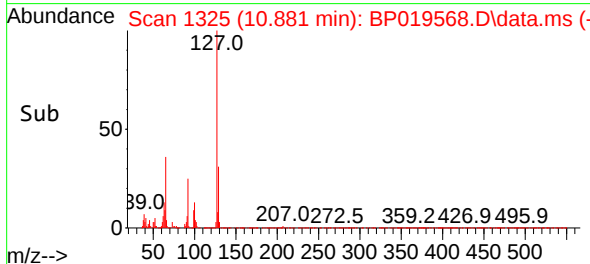
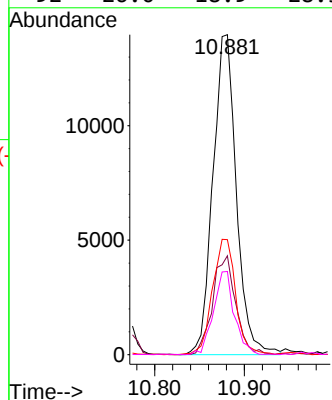
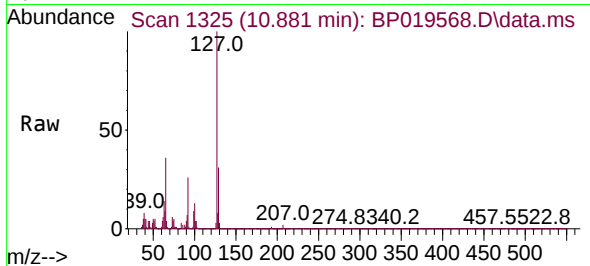




#33
4-Chloroaniline
Concen: 4.183 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

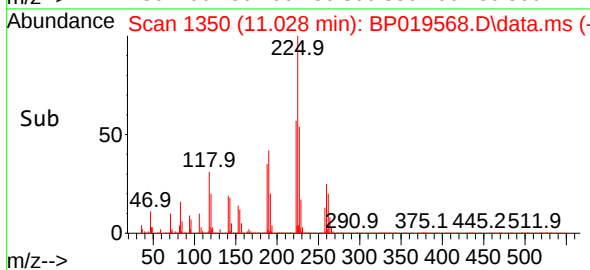
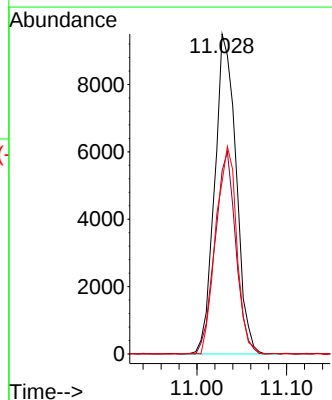
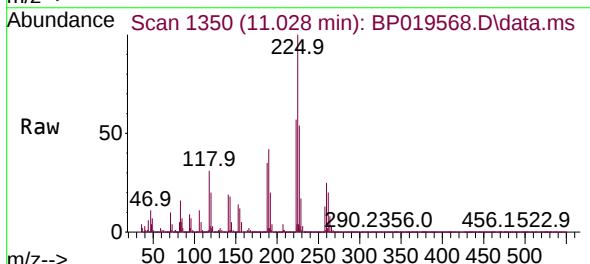
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

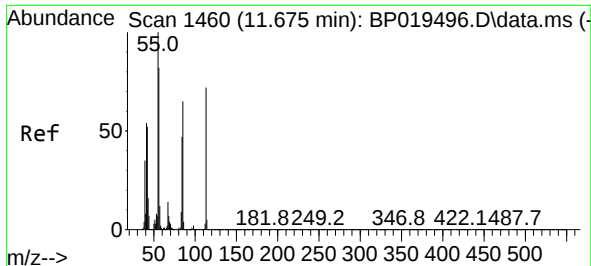
Tgt Ion:	127	Resp:	25347
Ion	Ratio	Lower	Upper
127	100		
129	30.9	24.6	36.8
65	36.0	28.2	42.4
92	26.0	18.9	28.3



#34
Hexachlorobutadiene
Concen: 3.386 ng
RT: 11.028 min Scan# 1350
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	225	Resp:	15741
Ion	Ratio	Lower	Upper
225	100		
223	57.3	50.5	75.7
227	53.9	50.2	75.2

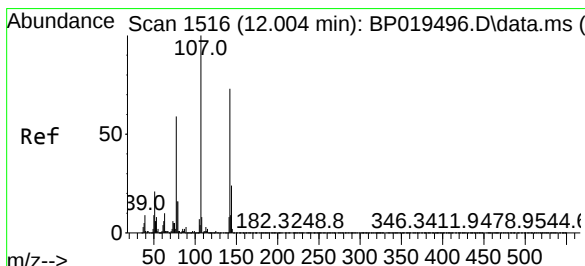
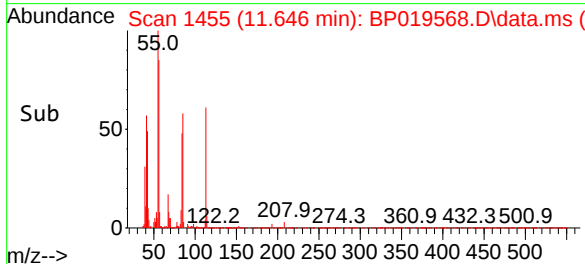
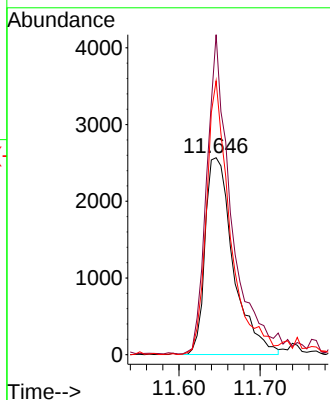
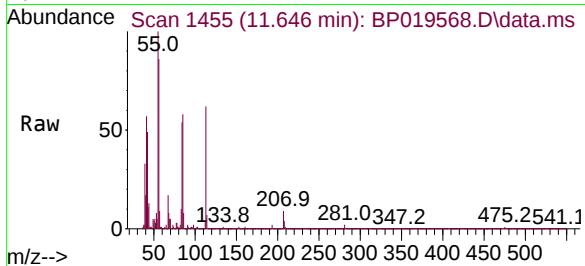




#35
Caprolactam
Concen: 4.263 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

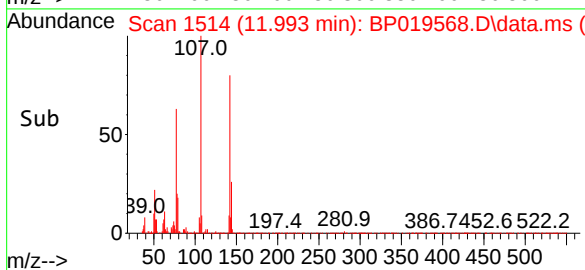
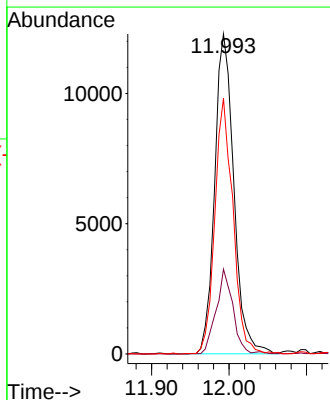
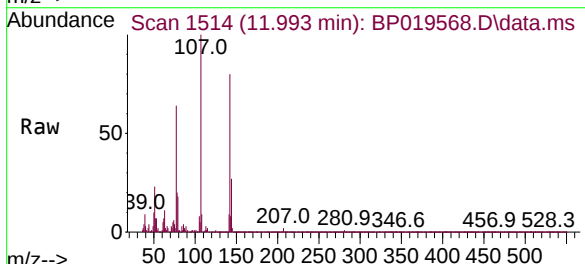
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

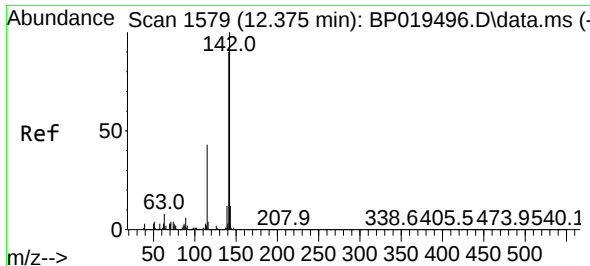
Tgt Ion:113 Resp: 6175
Ion Ratio Lower Upper
113 100
55 162.5 120.0 160.0#
56 139.2 94.0 134.0#



#36
4-Chloro-3-methylphenol
Concen: 3.778 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:107 Resp: 21077
Ion Ratio Lower Upper
107 100
144 26.5 19.0 28.4
142 79.9 58.6 88.0

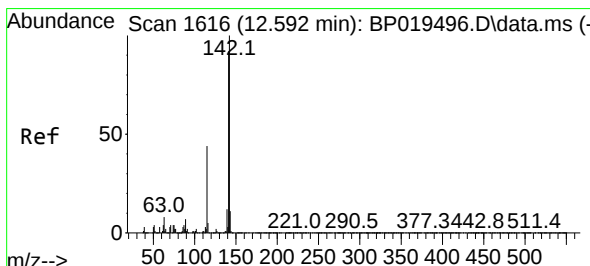
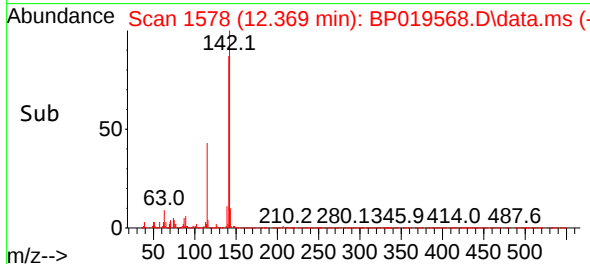
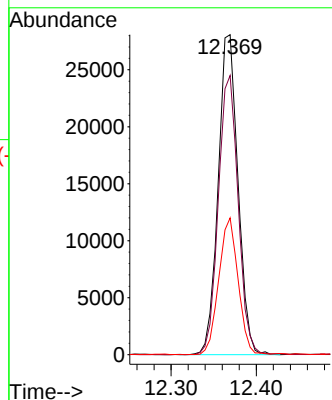
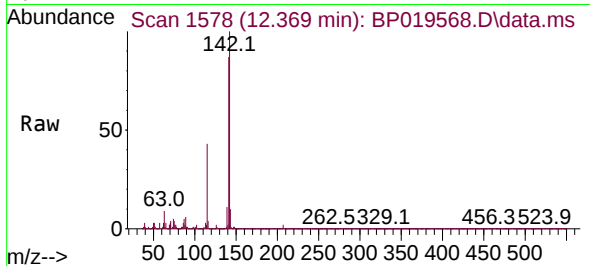




#37
2-Methylnaphthalene
Concen: 3.997 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

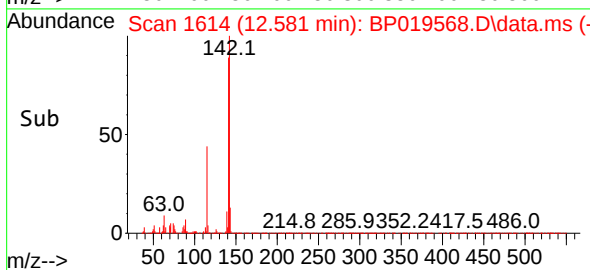
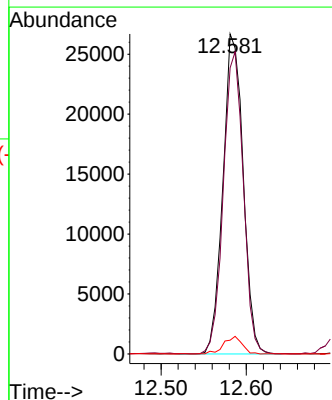
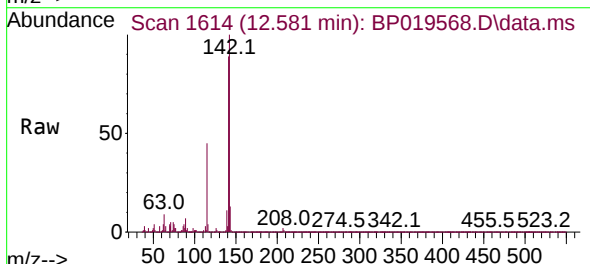
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

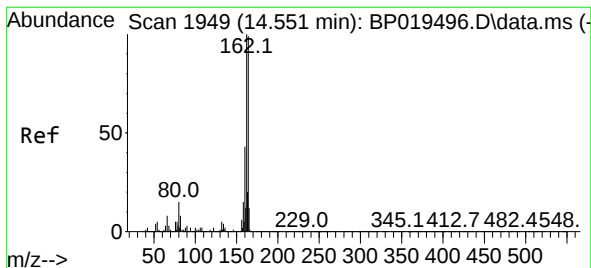
Tgt Ion:142 Resp: 45325
Ion Ratio Lower Upper
142 100
141 87.3 72.2 108.4
115 42.7 34.2 51.2



#38
1-Methylnaphthalene
Concen: 3.943 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:142 Resp: 43937
Ion Ratio Lower Upper
142 100
141 89.4 74.0 111.0
116 4.3 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: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

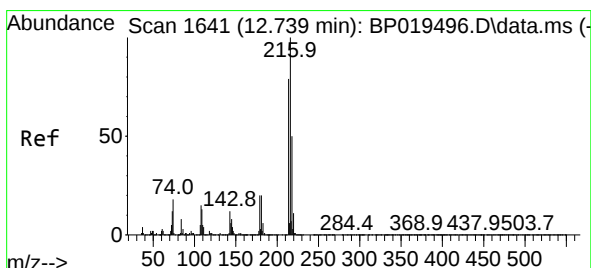
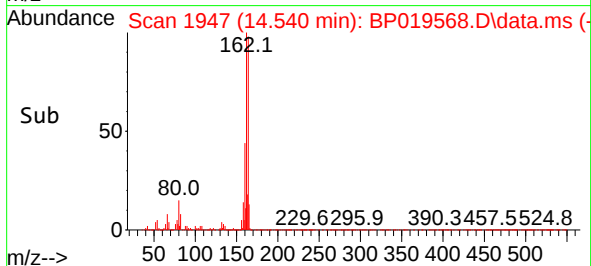
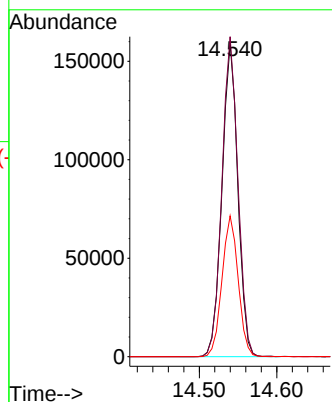
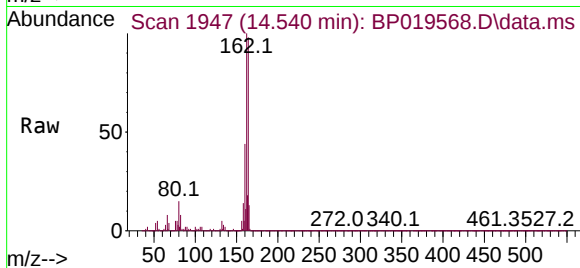
Tgt Ion:164 Resp: 226219

Ion Ratio Lower Upper

164 100

162 102.1 81.2 121.8

160 45.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.623 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Tgt Ion:216 Resp: 31610

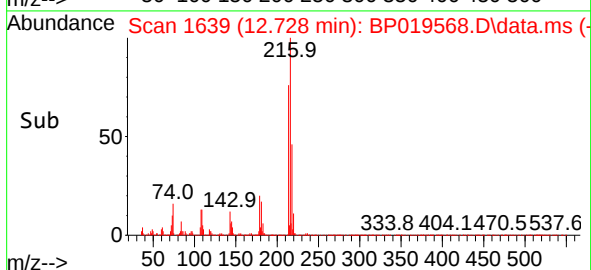
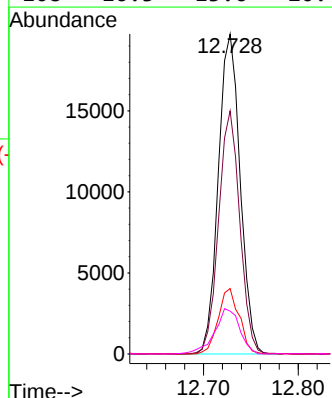
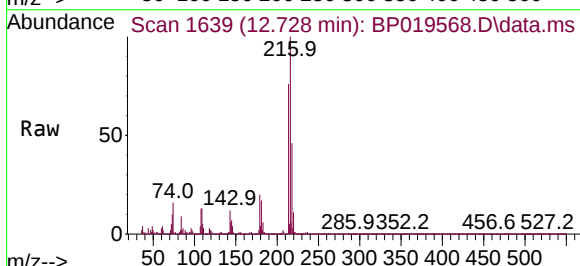
Ion Ratio Lower Upper

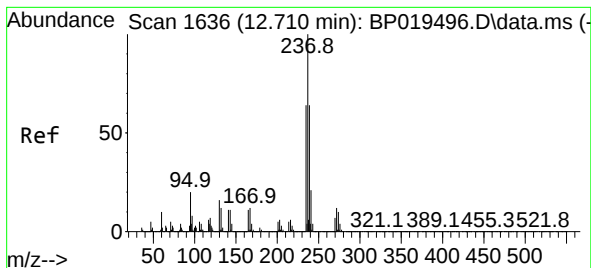
216 100

214 73.8 62.8 94.2

179 19.7 16.6 24.8

108 16.3 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 3.814 ng

RT: 12.699 min Scan# 1

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

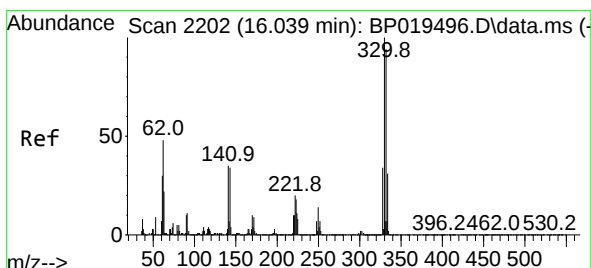
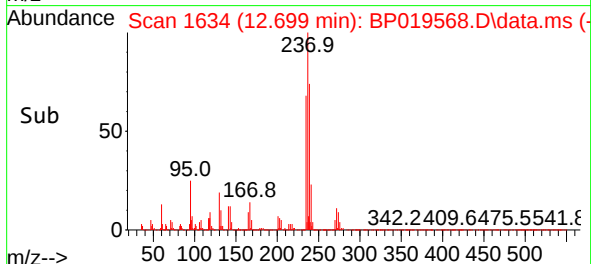
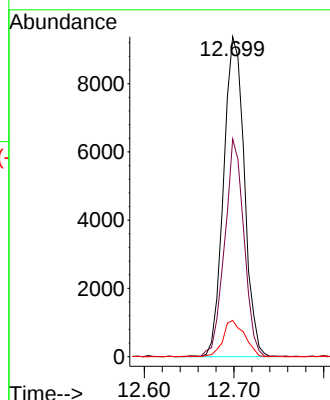
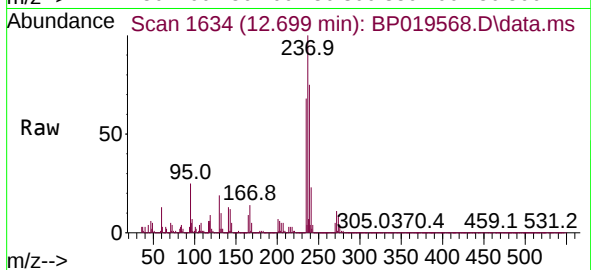
Tgt Ion:237 Resp: 15032

Ion Ratio Lower Upper

237 100

235 68.1 43.7 83.7

272 11.3 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 155.650 ng

RT: 16.034 min Scan# 2201

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

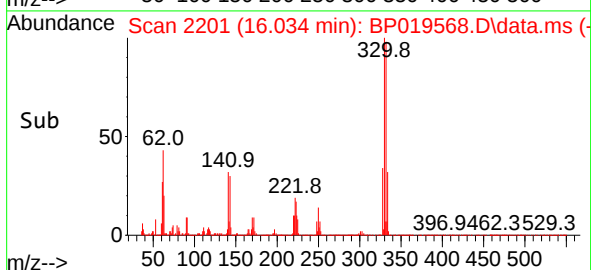
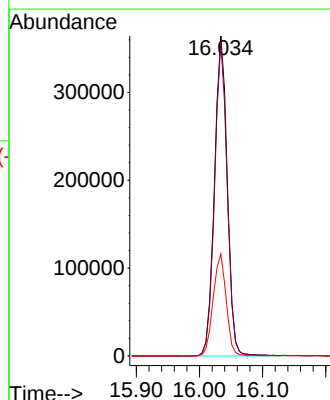
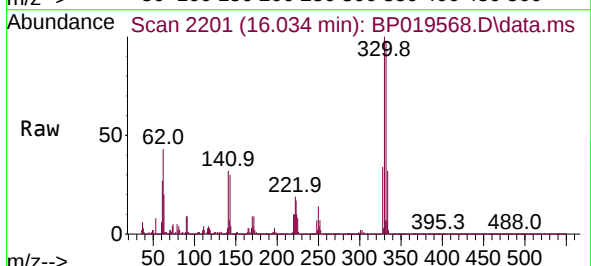
Tgt Ion:330 Resp: 514107

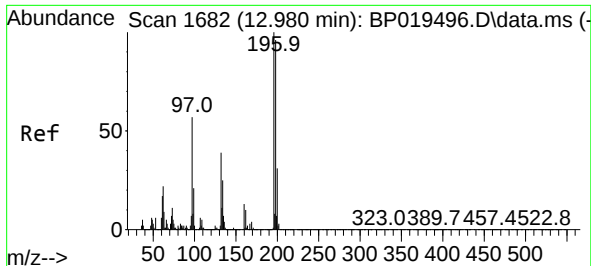
Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 32.4 27.0 40.4

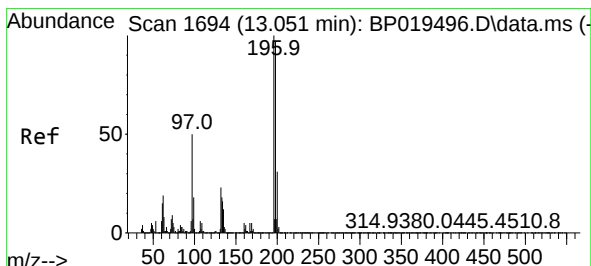
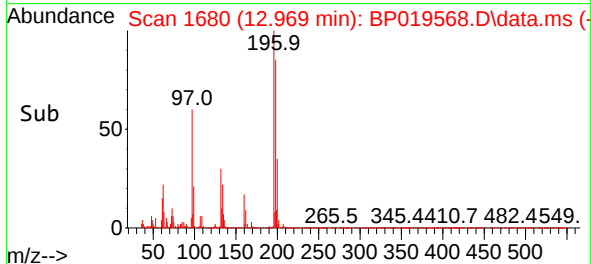
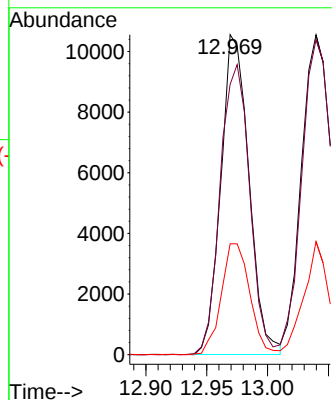
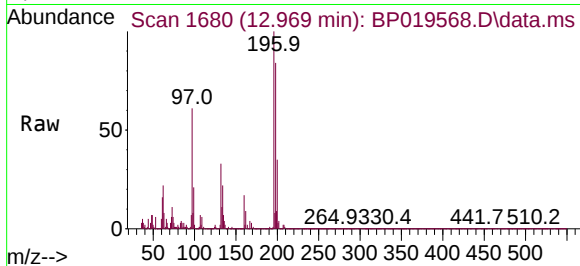




#43
2,4,6-Trichlorophenol
Concen: 3.215 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

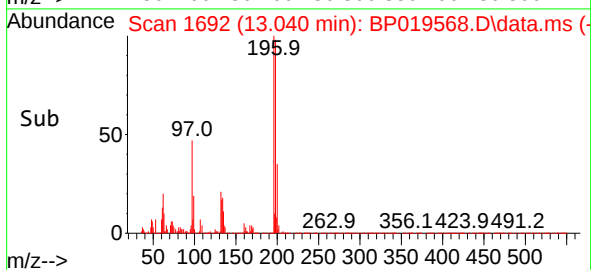
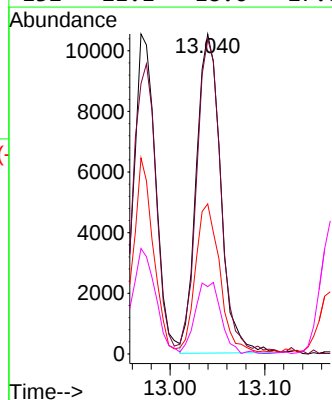
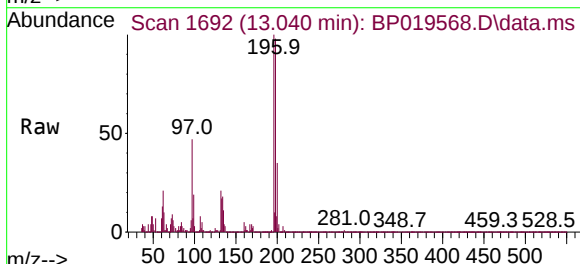
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

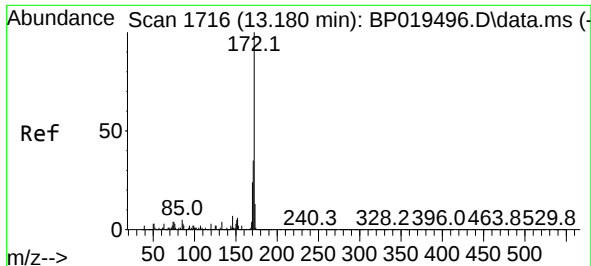
Tgt Ion:196 Resp: 16984
Ion Ratio Lower Upper
196 100
198 84.5 76.7 115.1
200 34.7 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 3.236 ng
RT: 13.040 min Scan# 1692
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:196 Resp: 18770
Ion Ratio Lower Upper
196 100
198 98.5 77.5 116.3
97 46.9 39.9 59.9
132 21.1 18.6 27.8

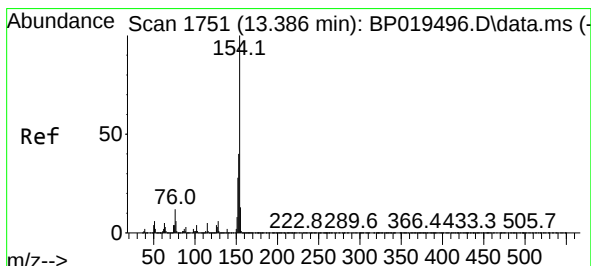
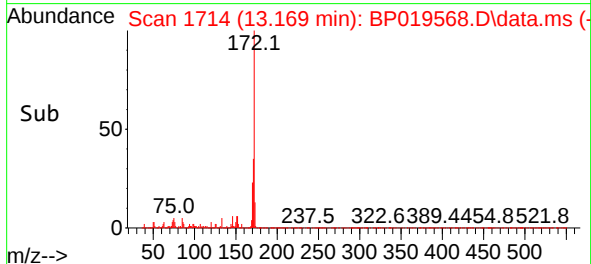
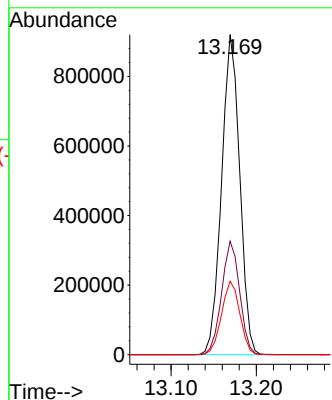
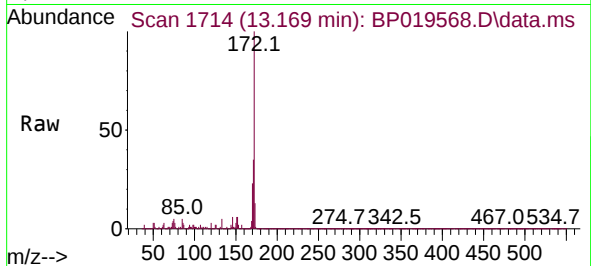




#45
2-Fluorobiphenyl
Concen: 74.435 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

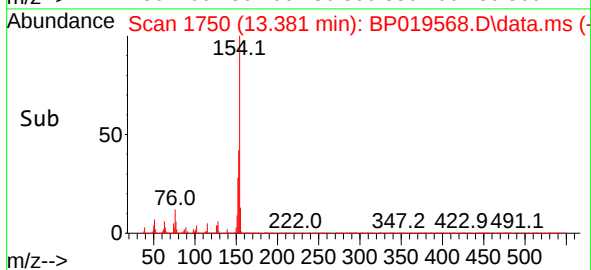
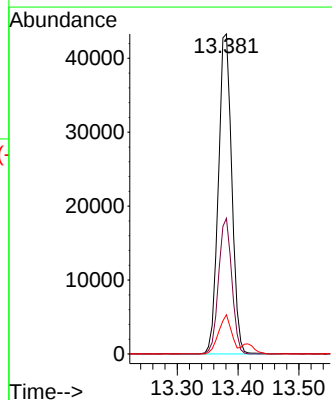
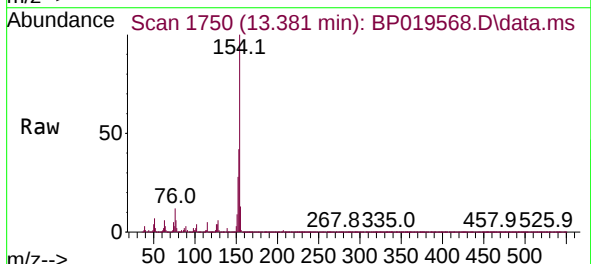
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

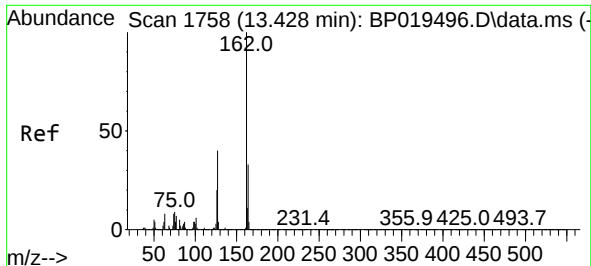
Tgt Ion:172 Resp: 1362097
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.0 18.9 28.3



#46
1,1'-Biphenyl
Concen: 3.653 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:154 Resp: 65956
Ion Ratio Lower Upper
154 100
153 42.4 20.2 60.2
76 12.2 0.0 31.6

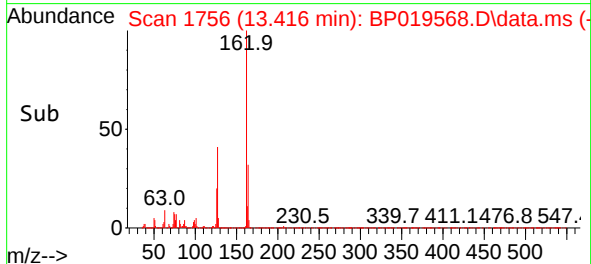
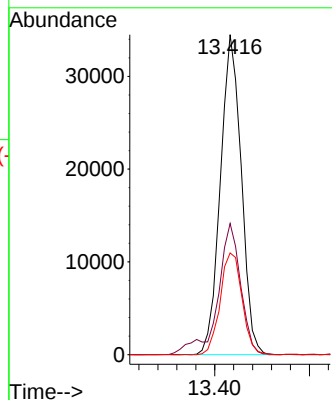
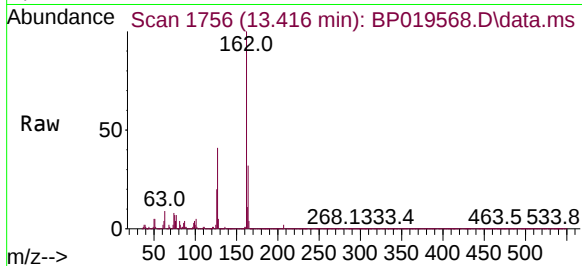




#47
2-Chloronaphthalene
Concen: 3.562 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

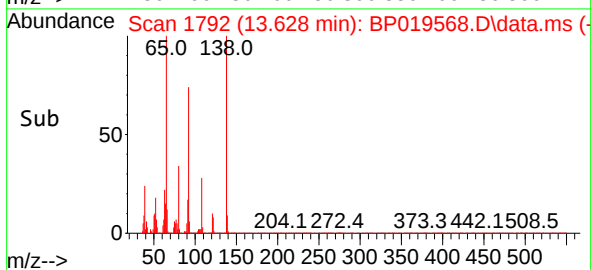
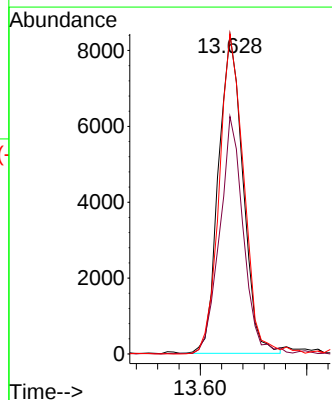
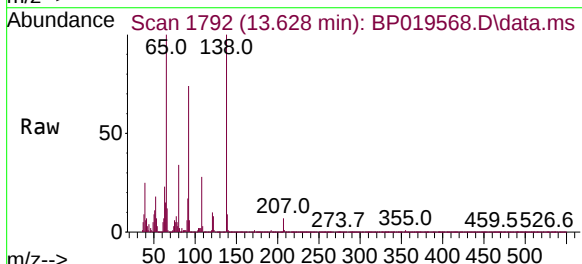
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

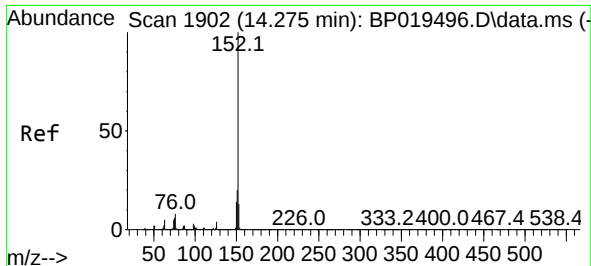
Tgt Ion:	162	Resp:	52794
Ion Ratio	Lower	Upper	
162	100		
127	41.0	32.1	48.1
164	31.8	26.7	40.1



#48
2-Nitroaniline
Concen: 3.226 ng
RT: 13.628 min Scan# 1792
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	65	Resp:	13368
Ion Ratio	Lower	Upper	
65	100		
92	74.3	54.7	82.1
138	100.1	77.8	116.6

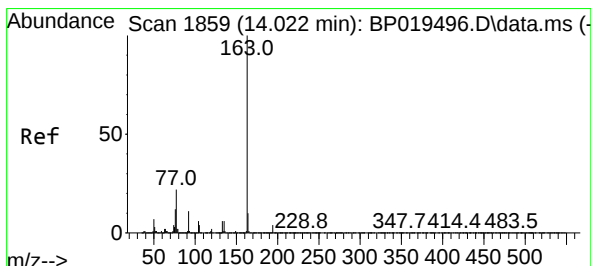
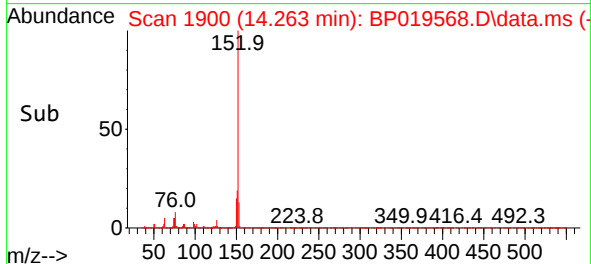
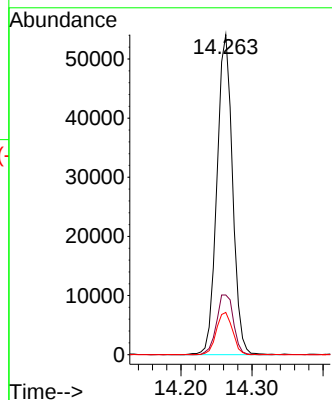
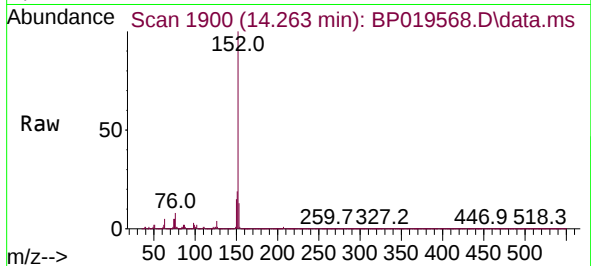




#49
Acenaphthylene
Concen: 3.951 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

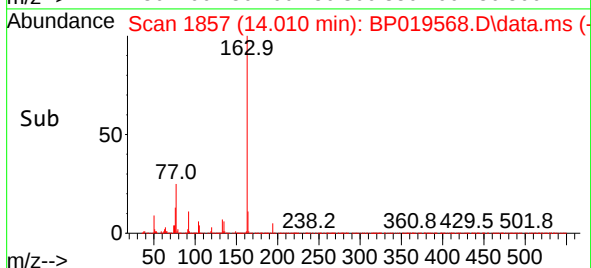
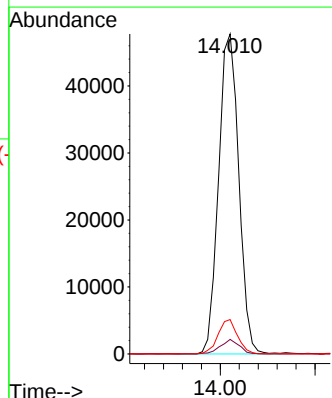
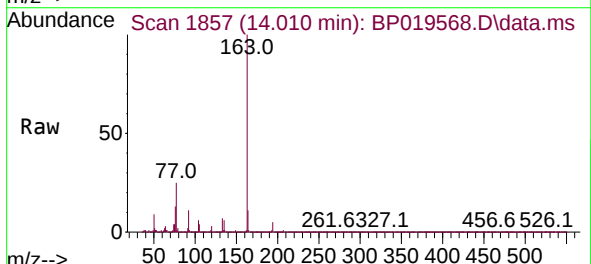
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

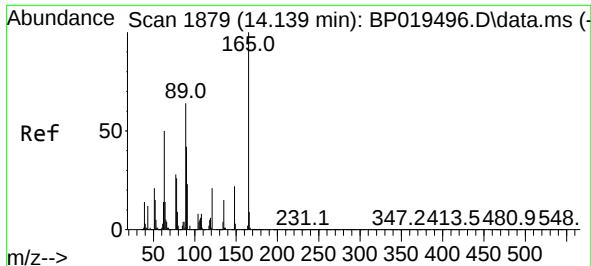
Tgt Ion:152 Resp: 82166
Ion Ratio Lower Upper
152 100
151 18.7 15.8 23.6
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 4.088 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:163 Resp: 70797
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.7 7.8 11.6

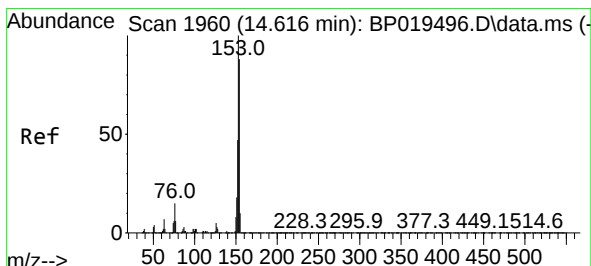
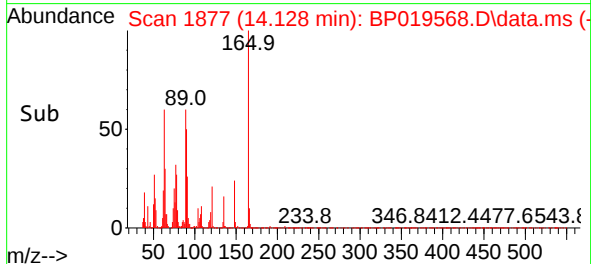
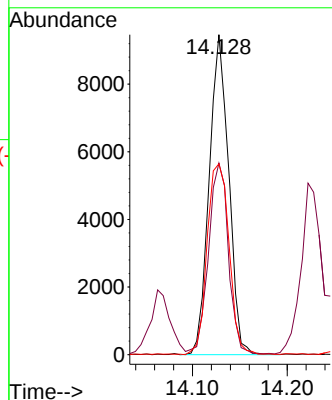
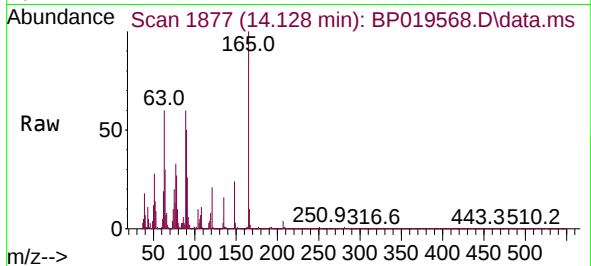




#51
2,6-Dinitrotoluene
Concen: 3.560 ng
RT: 14.128 min Scan# 1879
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

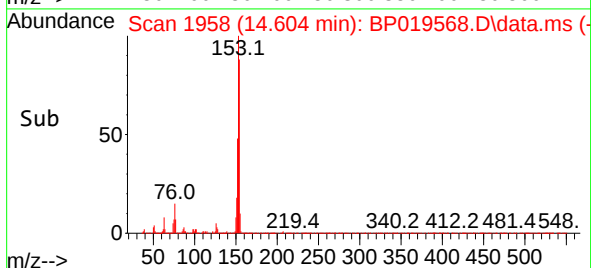
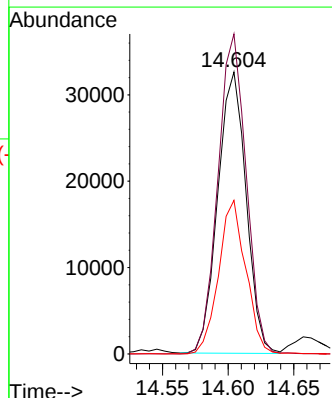
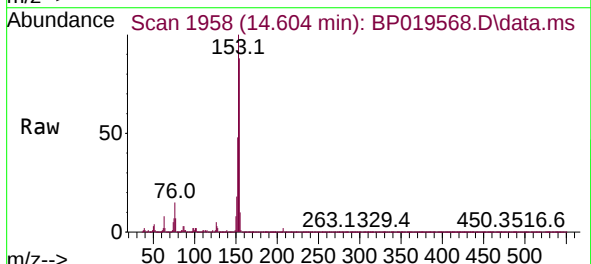
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

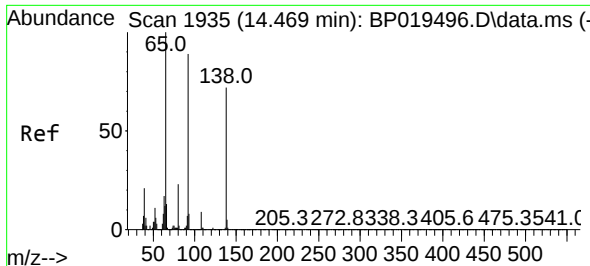
Tgt Ion:165 Resp: 13546
Ion Ratio Lower Upper
165 100
63 59.9 50.4 75.6
89 59.6 51.7 77.5



#52
Acenaphthene
Concen: 3.792 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:154 Resp: 48941
Ion Ratio Lower Upper
154 100
153 113.5 90.5 135.7
152 54.5 42.1 63.1

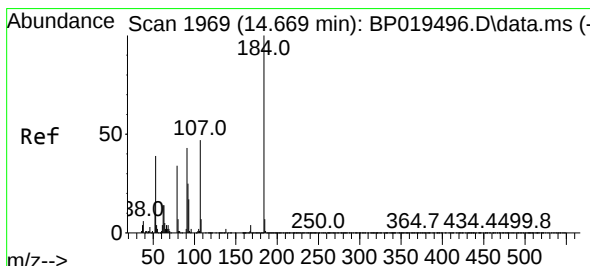
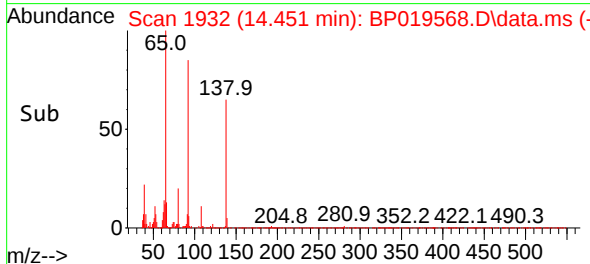
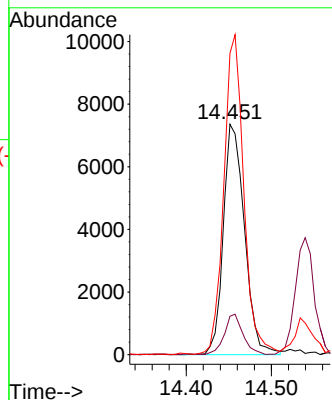
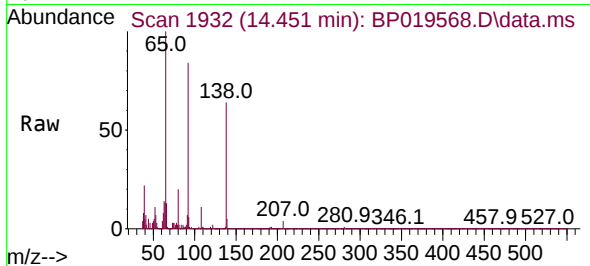




#53
3-Nitroaniline
Concen: 3.640 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.017 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

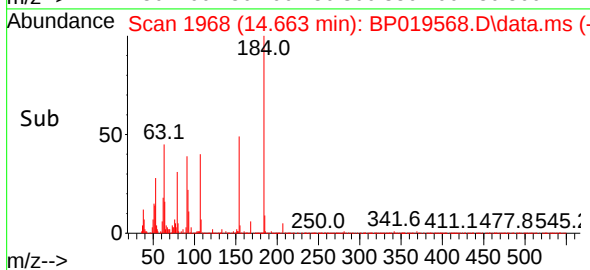
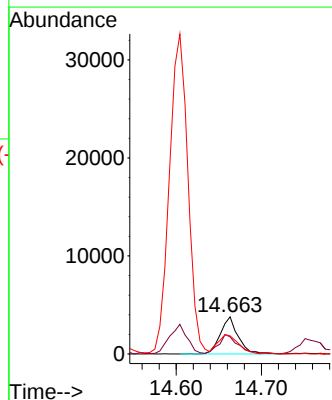
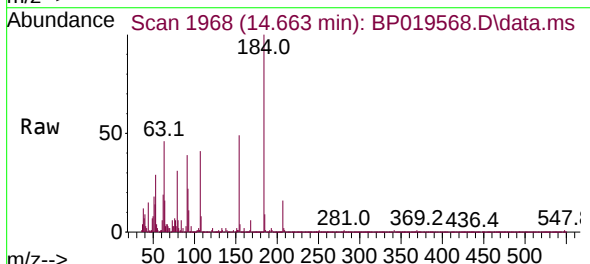
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

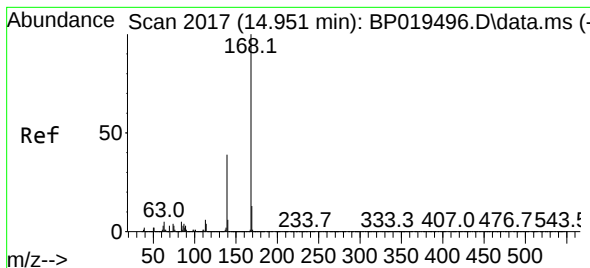
Tgt Ion:138 Resp: 12728
Ion Ratio Lower Upper
138 100
108 16.7 9.7 14.5#
92 130.7 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 2.778 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:184 Resp: 5487
Ion Ratio Lower Upper
184 100
63 46.2 50.5 75.7#
154 48.8 53.4 80.0#





#55

Dibenzofuran

Concen: 4.048 ng

RT: 14.940 min Scan# 2017

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

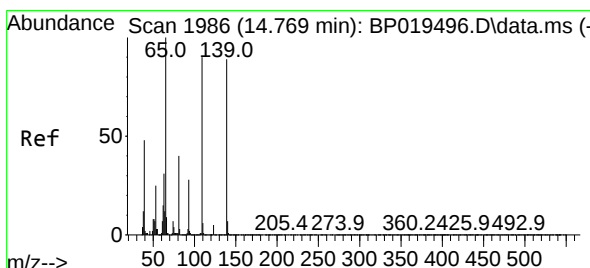
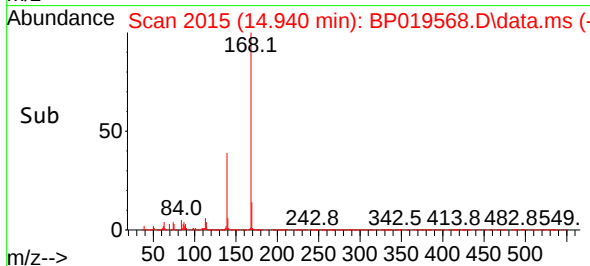
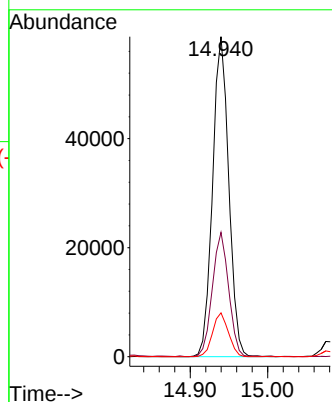
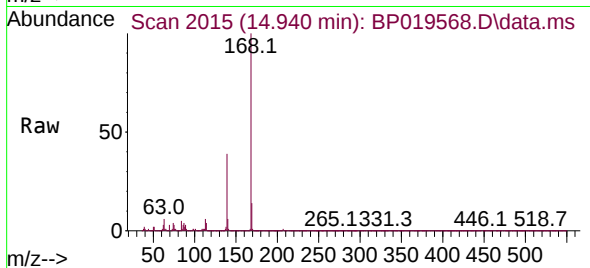
Tgt Ion:168 Resp: 85078

Ion Ratio Lower Upper

168 100

139 38.9 31.5 47.3

169 13.7 10.3 15.5



#56

4-Nitrophenol

Concen: 3.221 ng

RT: 14.757 min Scan# 1984

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

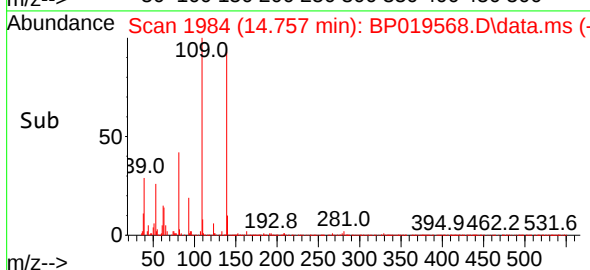
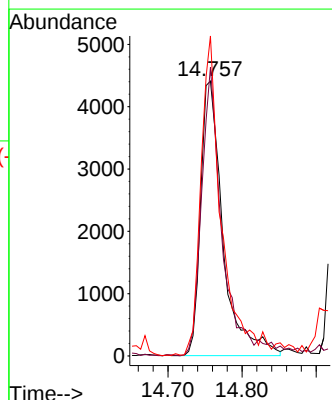
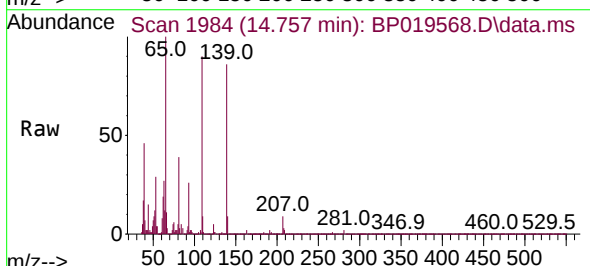
Tgt Ion:139 Resp: 9231

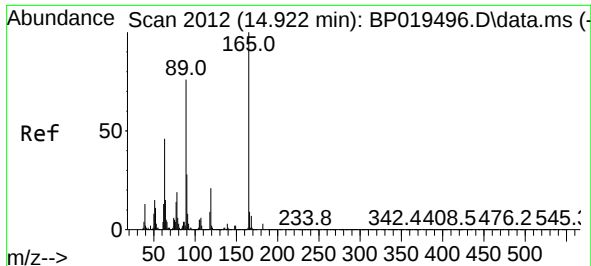
Ion Ratio Lower Upper

139 100

109 105.0 82.0 122.0

65 116.4 92.9 132.9

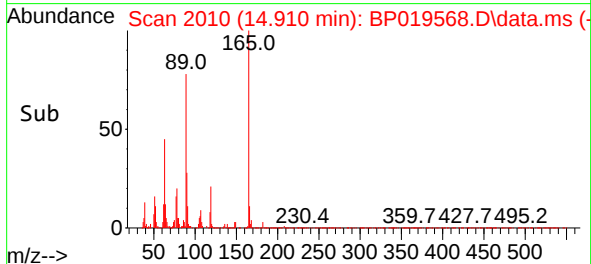
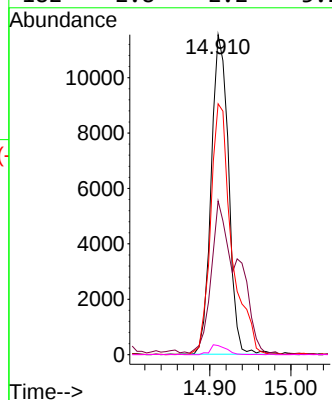
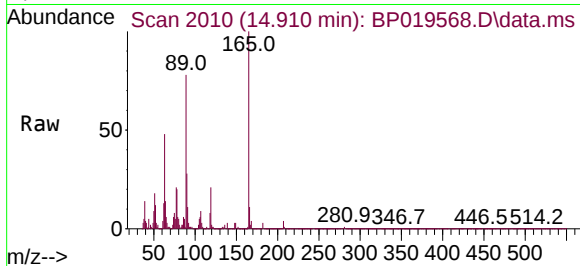




#57
2,4-Dinitrotoluene
Concen: 3.428 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

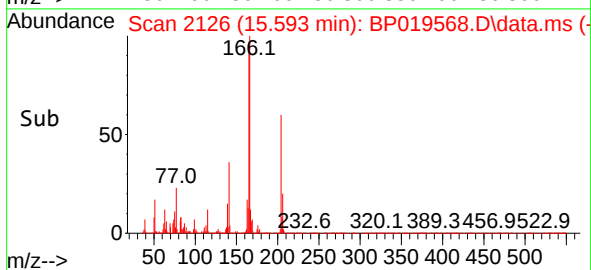
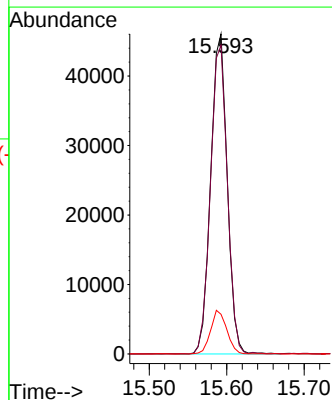
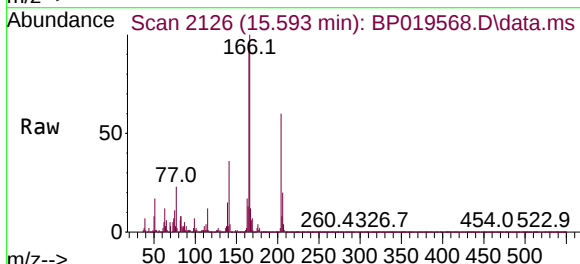
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

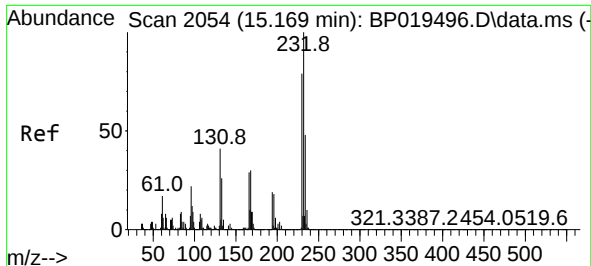
Tgt Ion:	165	Resp:	17093
Ion Ratio	Lower	Upper	
165	100		
63	48.0	36.9	55.3
89	78.4	61.1	91.7
182	2.8	2.2	3.2



#58
Fluorene
Concen: 4.079 ng
RT: 15.593 min Scan# 2126
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	166	Resp:	68285
Ion Ratio	Lower	Upper	
166	100		
165	96.5	77.8	116.8
167	12.4	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.831 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion:232 Resp: 18695

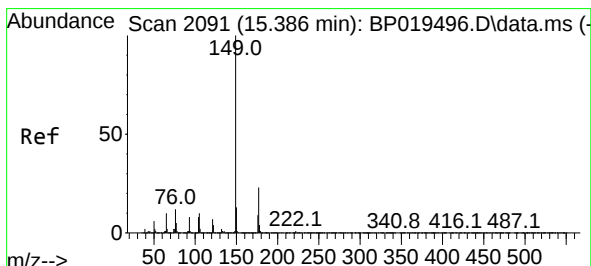
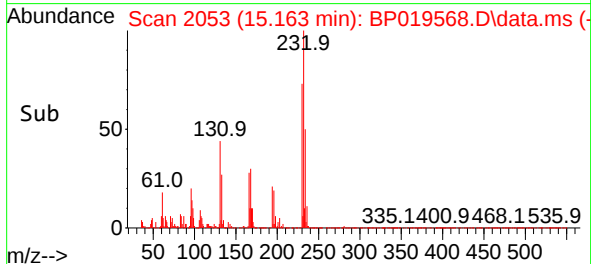
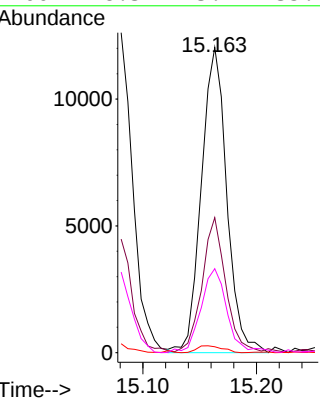
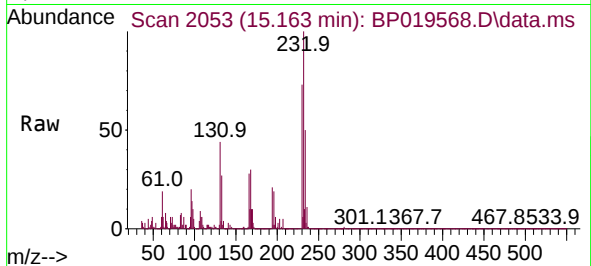
Ion Ratio Lower Upper

232 100

131 40.3 32.4 48.6

130 2.3 1.9 2.9

166 28.3 23.4 35.2



#60

Diethylphthalate

Concen: 4.049 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

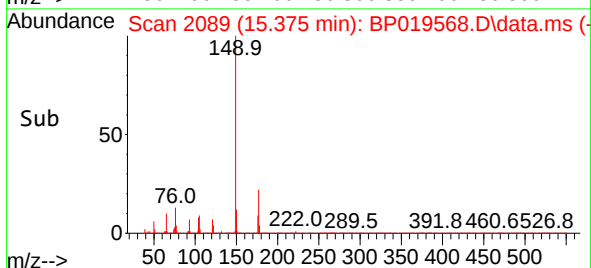
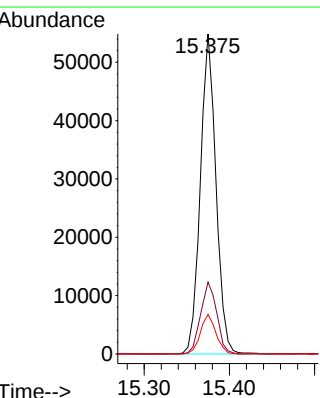
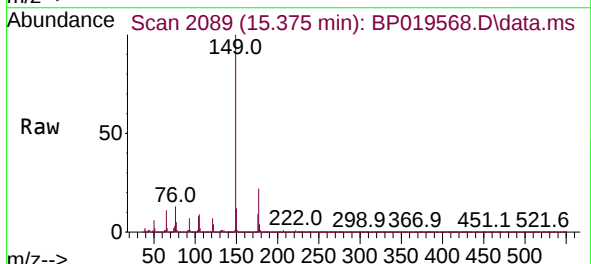
Tgt Ion:149 Resp: 69743

Ion Ratio Lower Upper

149 100

177 22.5 18.2 27.2

150 12.4 10.2 15.4

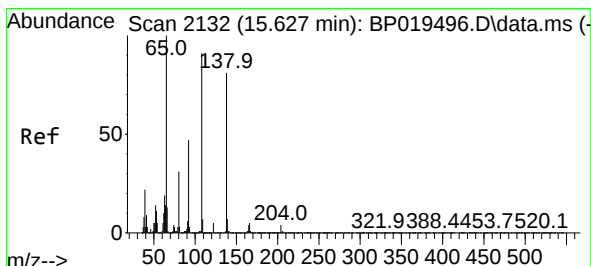
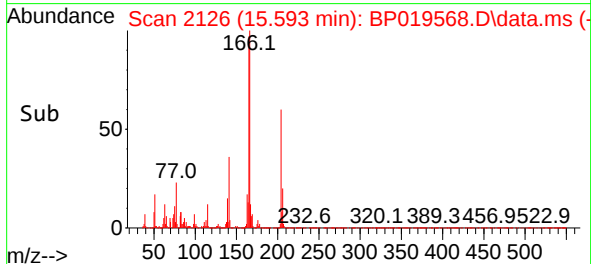
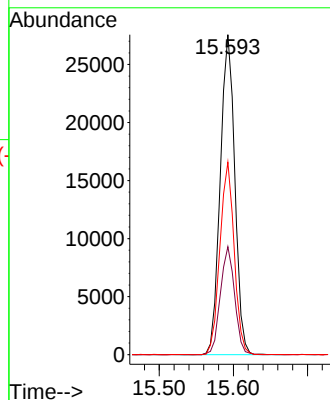
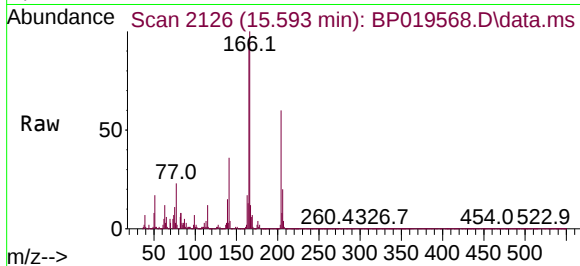




#61
4-Chlorophenyl-phenylether
Concen: 3.996 ng
RT: 15.593 min Scan# 2127
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

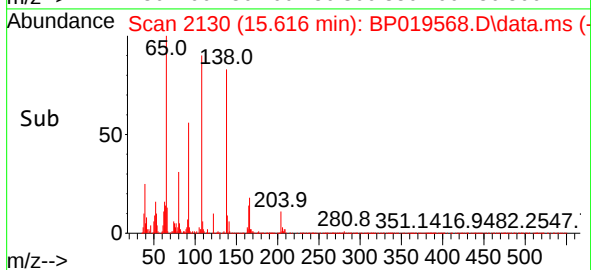
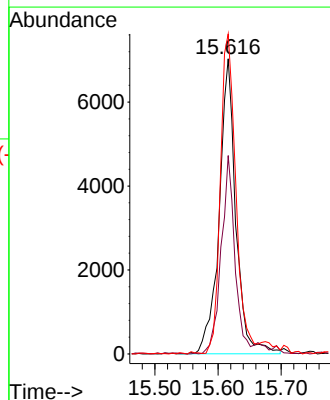
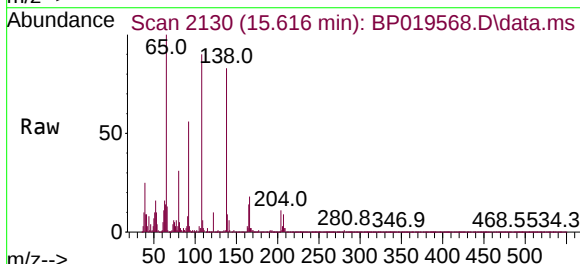
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

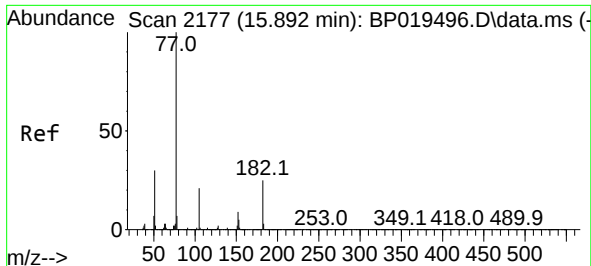
Tgt Ion:204 Resp: 37599
Ion Ratio Lower Upper
204 100
206 33.7 26.5 39.7
141 60.1 48.5 72.7



#62
4-Nitroaniline
Concen: 3.523 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:138 Resp: 12913
Ion Ratio Lower Upper
138 100
92 67.2 38.3 78.3
108 108.4 91.2 131.2

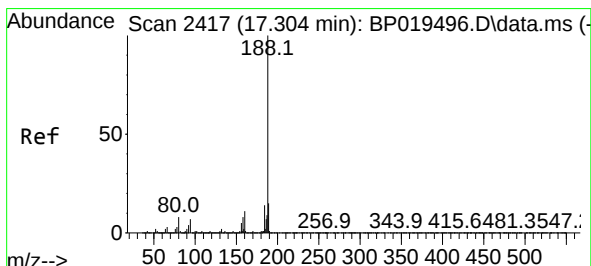
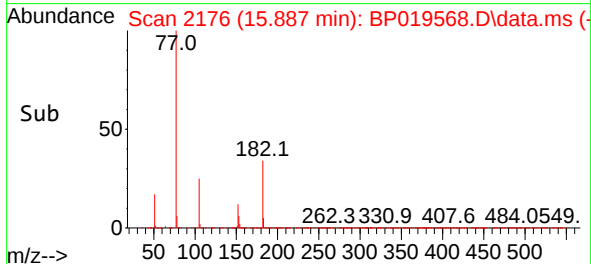
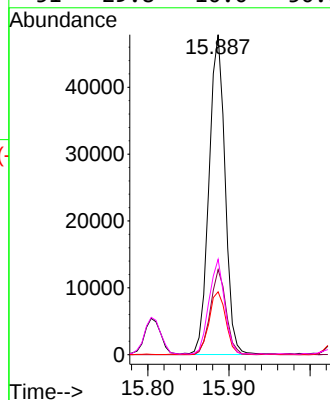
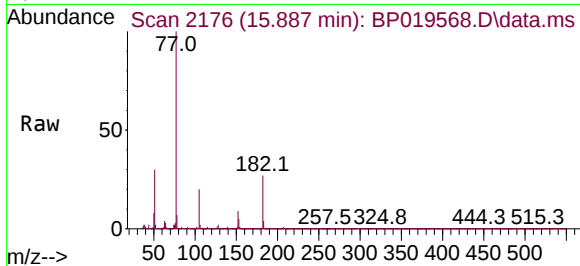




#63
Azobenzene
Concen: 3.940 ng
RT: 15.887 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

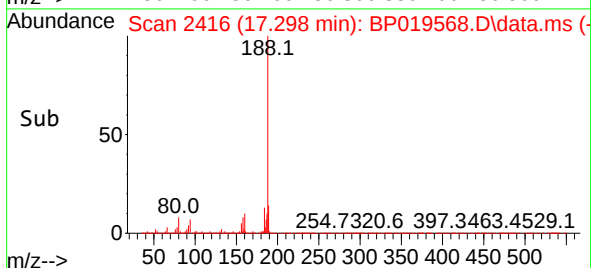
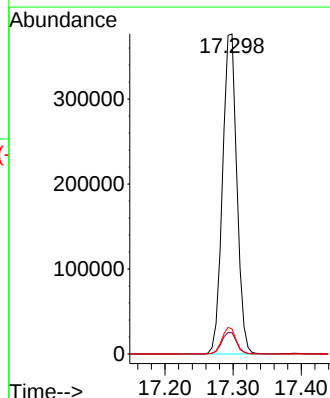
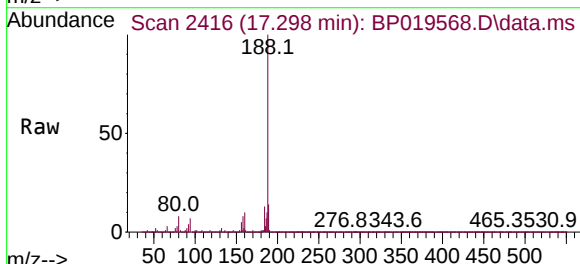
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

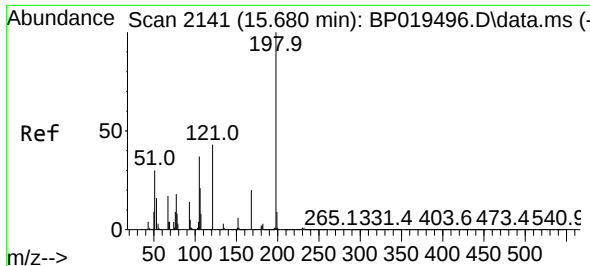
Tgt Ion: 77	Resp: 65635
Ion Ratio	Lower Upper
77 100	
182 26.6	5.1 45.1
105 19.7	0.8 40.8
51 29.8	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion: 188	Resp: 550686
Ion Ratio	Lower Upper
188 100	
94 6.6	5.4 8.2
80 7.8	6.3 9.5

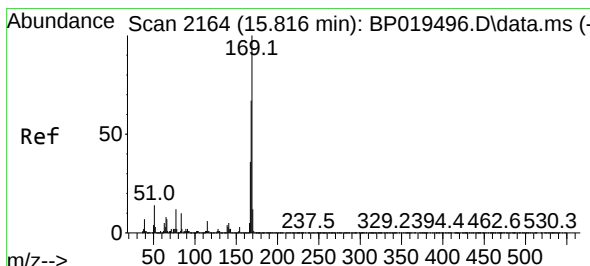
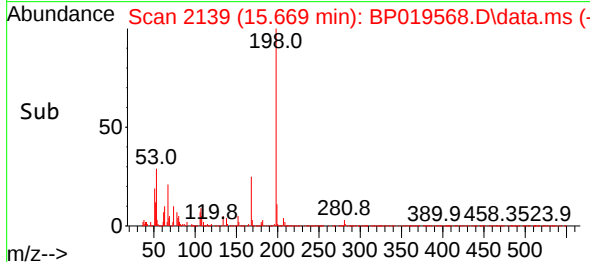
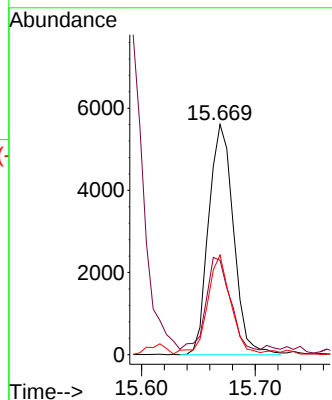
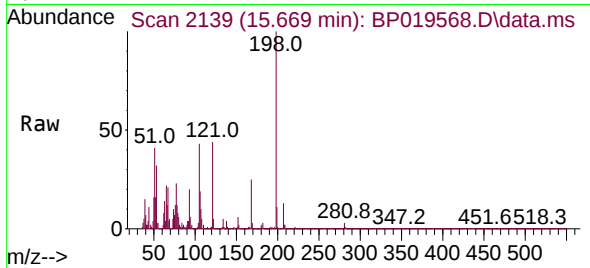




#65
4,6-Dinitro-2-methylphenol
Concen: 2.719 ng
RT: 15.669 min Scan# 2141
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

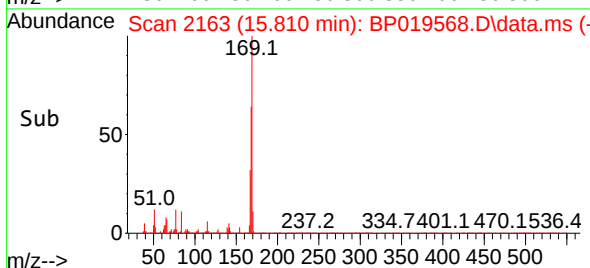
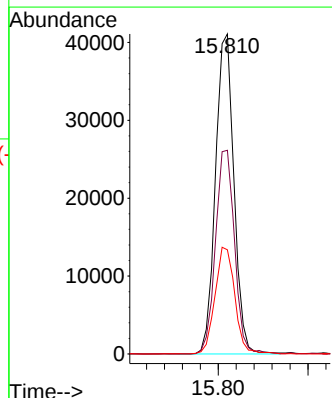
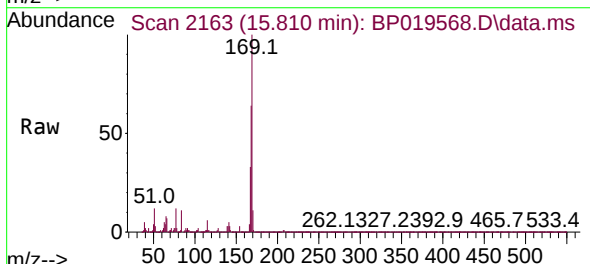
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2023

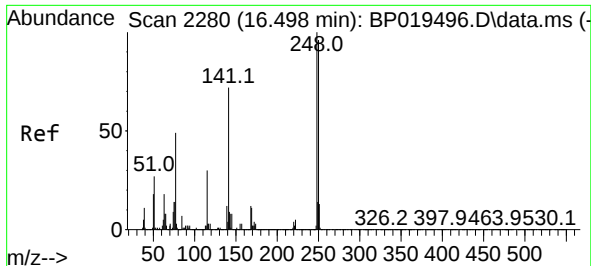
Tgt Ion:198 Resp: 8537
Ion Ratio Lower Upper
198 100
51 41.0 21.2 61.2
105 43.3 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 3.550 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:169 Resp: 58548
Ion Ratio Lower Upper
169 100
168 63.6 53.4 80.2
167 32.5 28.9 43.3

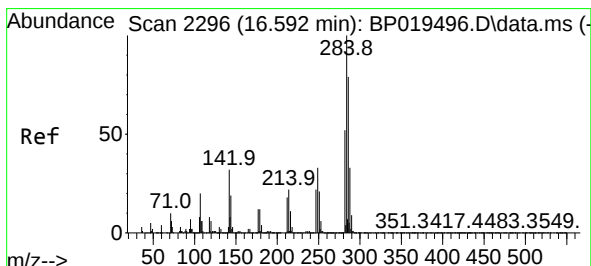
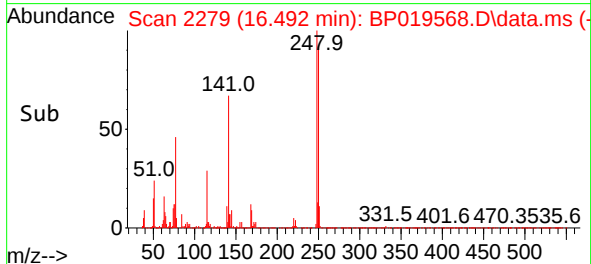
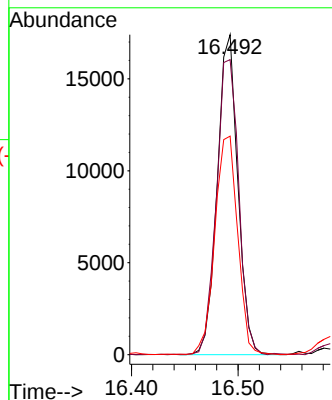
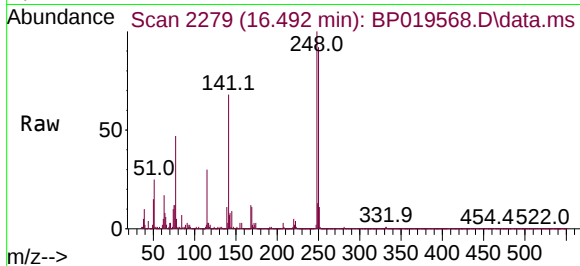




#67
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

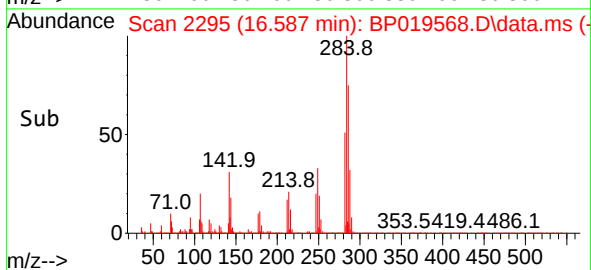
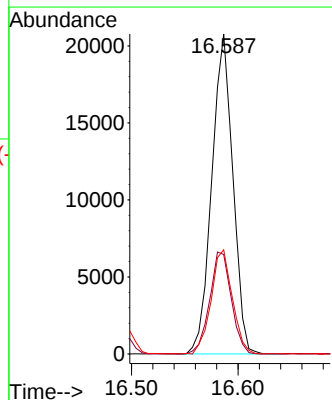
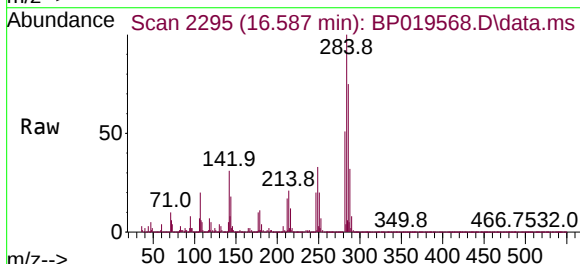
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

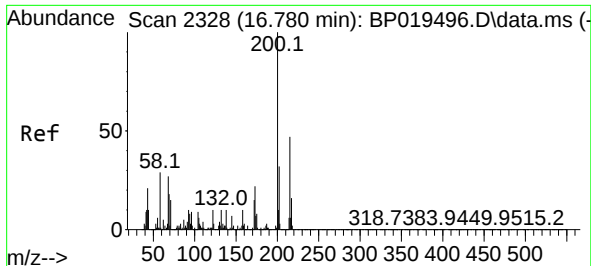
Tgt Ion:248 Resp: 23329
Ion Ratio Lower Upper
248 100
250 92.2 76.9 115.3
141 68.3 58.0 87.0



#68
Hexachlorobenzene
Concen: 3.551 ng
RT: 16.587 min Scan# 2295
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:284 Resp: 28546
Ion Ratio Lower Upper
284 100
142 31.1 25.4 38.2
249 32.5 26.5 39.7

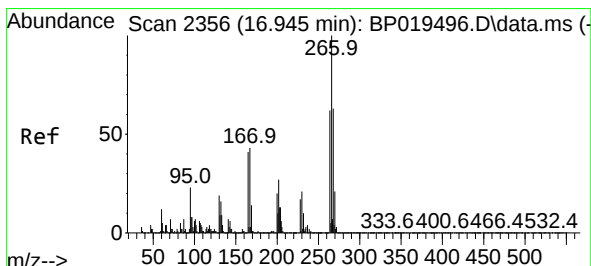
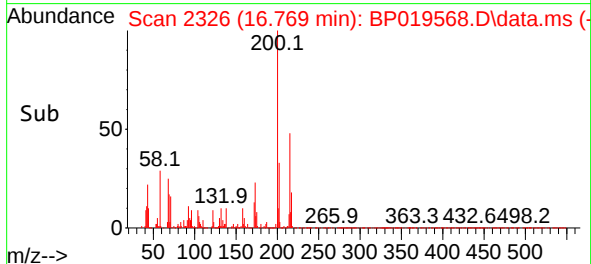
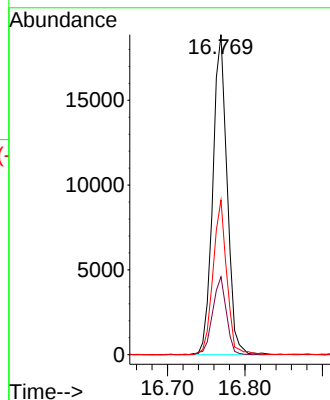
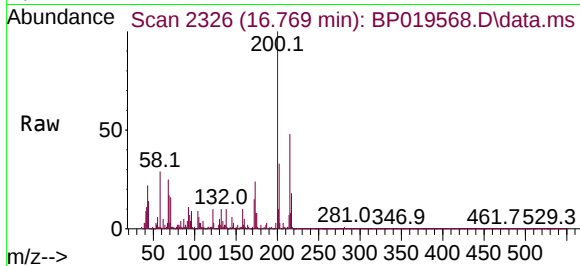




#69
Atrazine
Concen: 4.428 ng
RT: 16.769 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

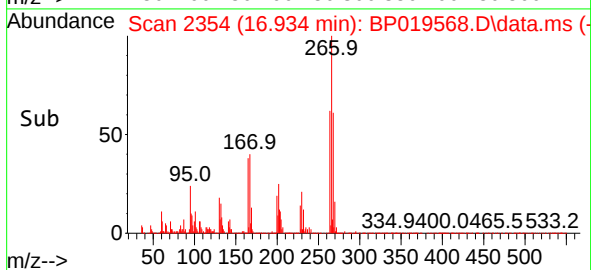
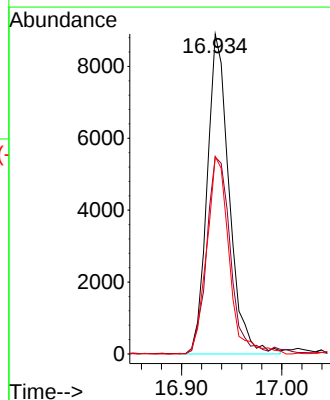
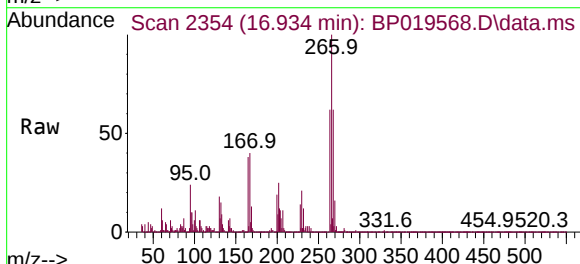
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

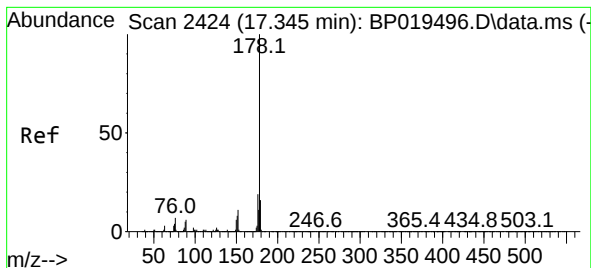
Tgt Ion:200 Resp: 24235
Ion Ratio Lower Upper
200 100
173 24.3 1.7 41.7
215 48.3 26.9 66.9



#70
Pentachlorophenol
Concen: 2.713 ng
RT: 16.934 min Scan# 2354
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:266 Resp: 13580
Ion Ratio Lower Upper
266 100
268 64.6 50.3 75.5
264 61.7 49.7 74.5





#71

Phenanthrene

Concen: 3.940 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

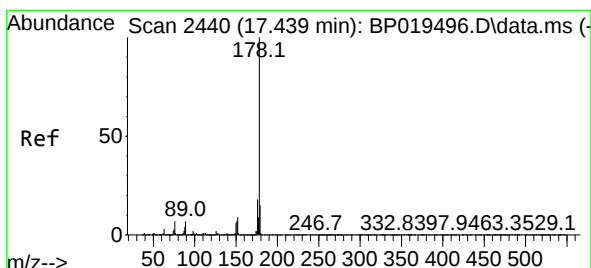
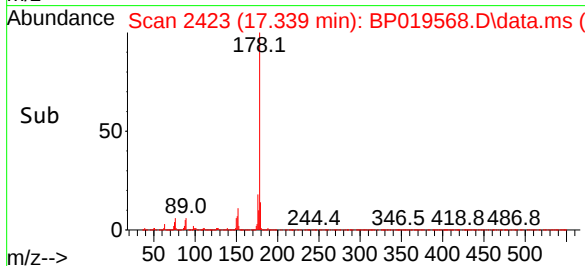
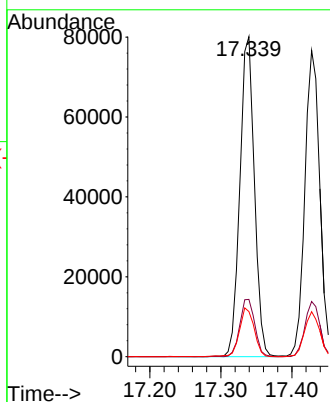
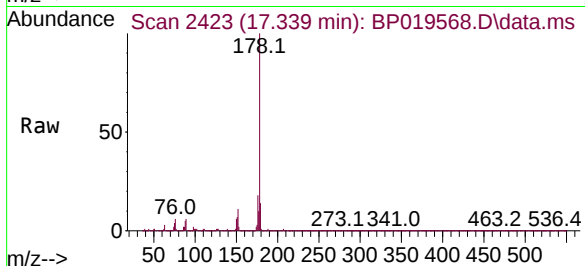
Tgt Ion:178 Resp: 114190

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

179 14.1 12.6 19.0



#72

Anthracene

Concen: 3.860 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

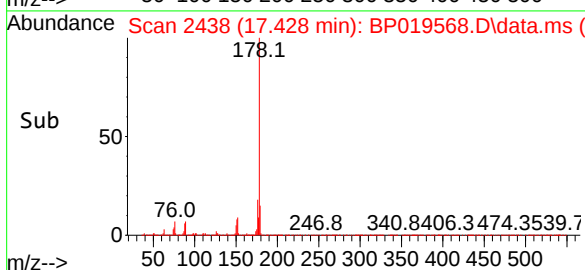
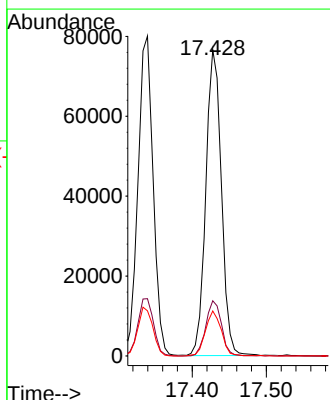
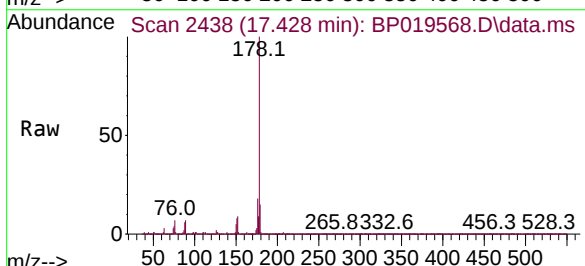
Tgt Ion:178 Resp: 111601

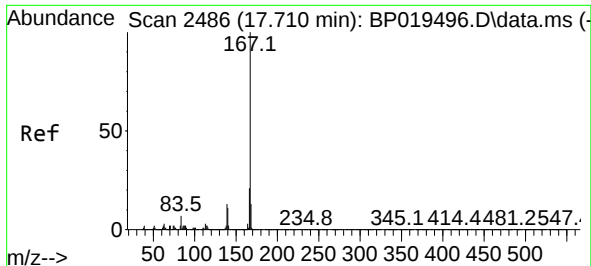
Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 14.7 12.2 18.2

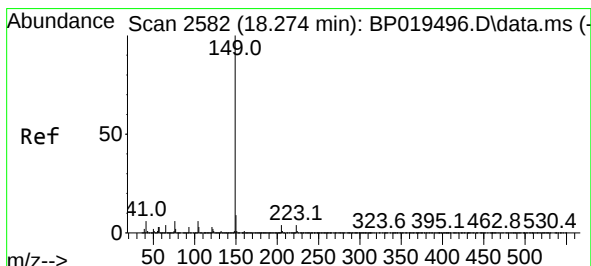
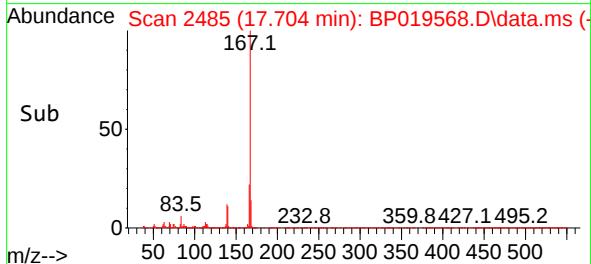
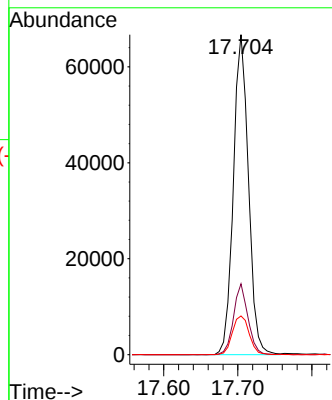
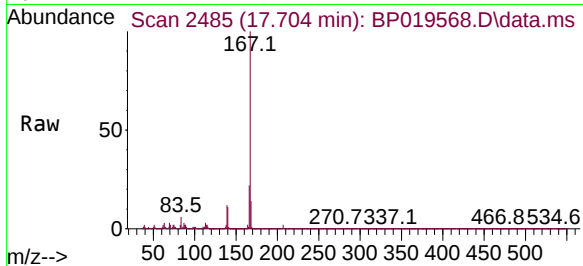




#73
 Carbazole
 Concen: 3.584 ng
 RT: 17.704 min Scan# 2486
 Delta R.T. -0.005 min
 Lab File: BP019568.D
 Acq: 06 Feb 2024 11:56

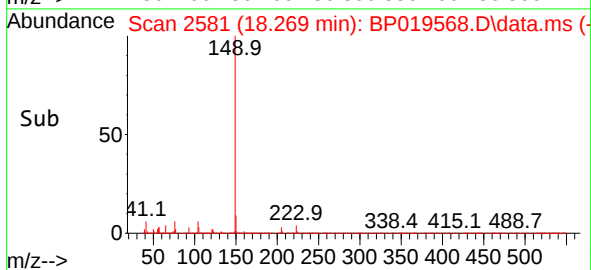
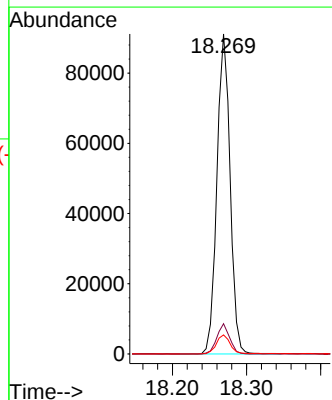
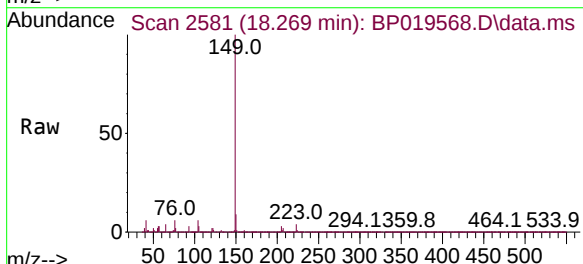
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

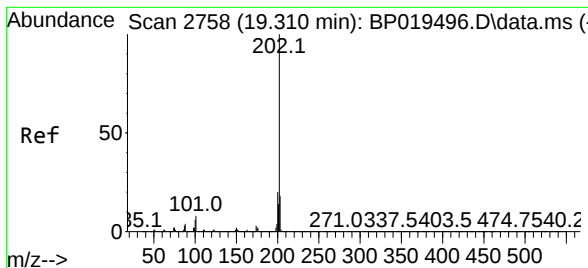
Tgt Ion:	167	Resp:	94120
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.2	25.8
139	12.1	10.6	15.8



#74
 Di-n-butylphthalate
 Concen: 3.535 ng
 RT: 18.269 min Scan# 2581
 Delta R.T. -0.005 min
 Lab File: BP019568.D
 Acq: 06 Feb 2024 11:56

Tgt Ion:	149	Resp:	112250
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.3	10.9
104	5.9	4.8	7.2





#75

Fluoranthene

Concen: 3.693 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

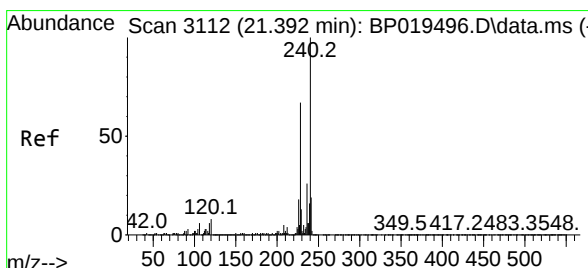
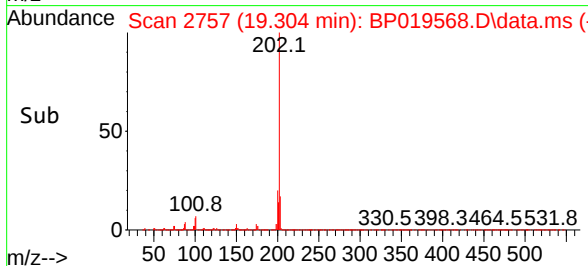
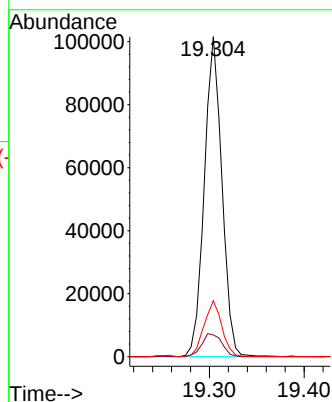
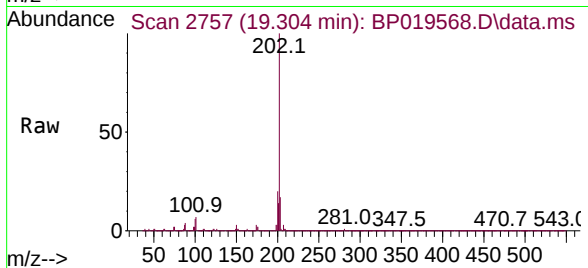
Tgt Ion:202 Resp: 130742

Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.7

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

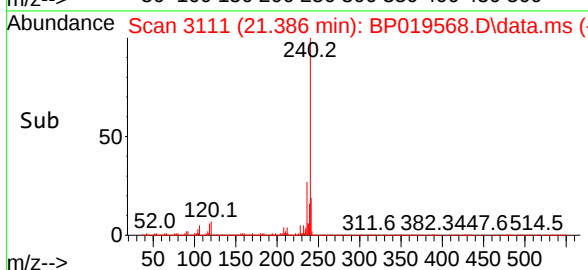
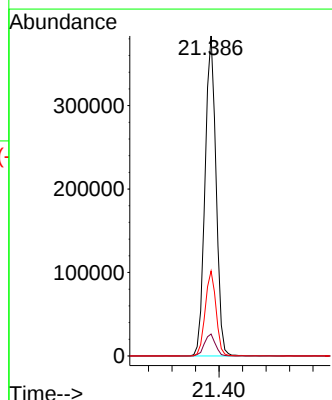
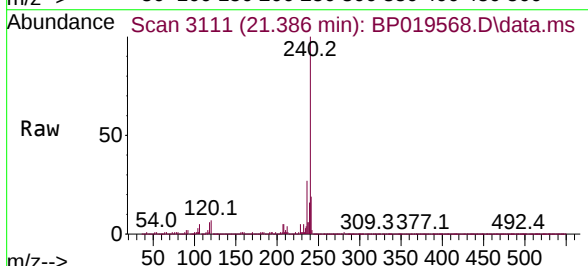
Tgt Ion:240 Resp: 498063

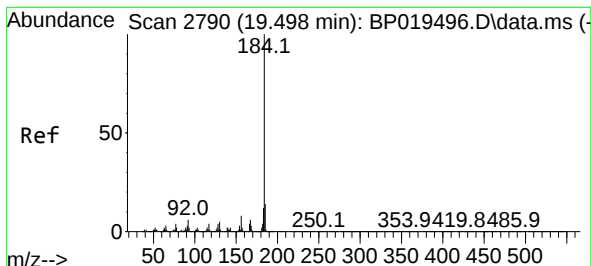
Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

236 26.6 20.7 31.1





#77

Benzidine

Concen: 4.096 ng

RT: 19.492 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

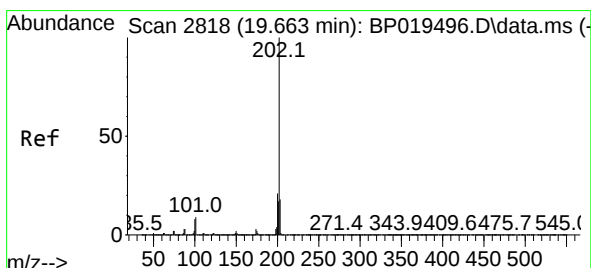
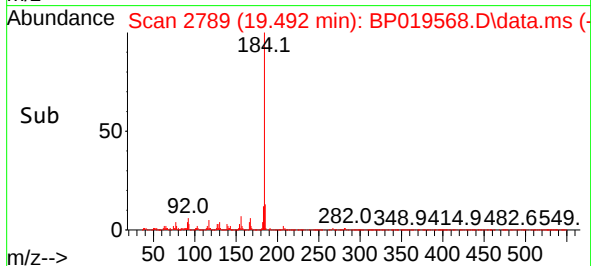
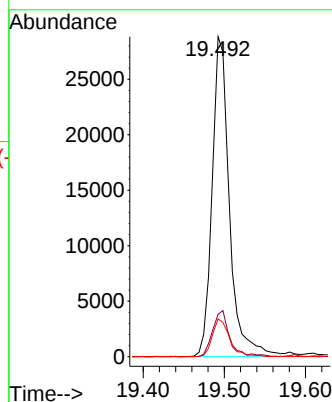
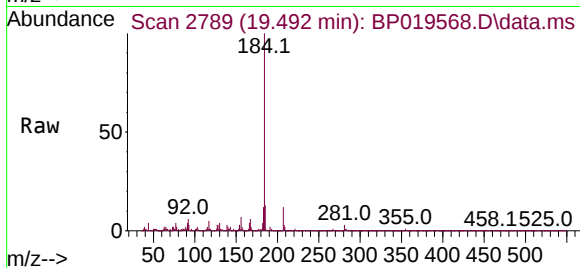
Tgt Ion:184 Resp: 42650

Ion Ratio Lower Upper

184 100

185 13.2 11.1 16.7

183 11.8 9.7 14.5



#78

Pyrene

Concen: 3.901 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

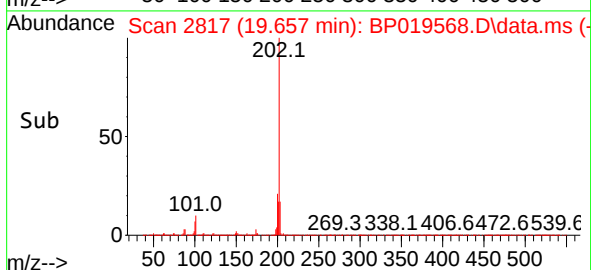
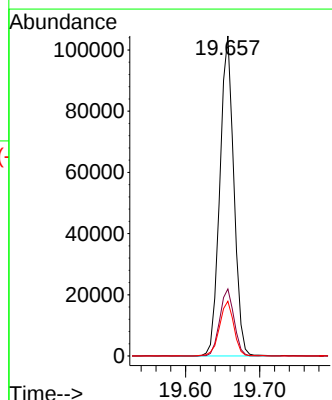
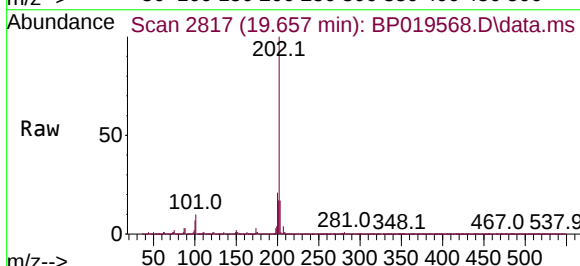
Tgt Ion:202 Resp: 137123

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 90.193 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

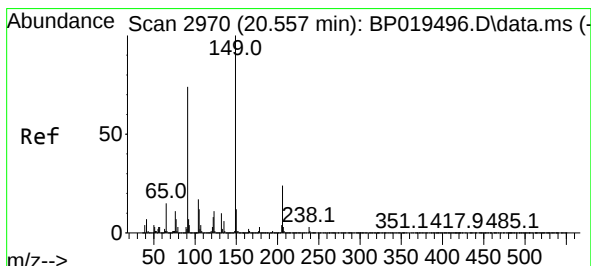
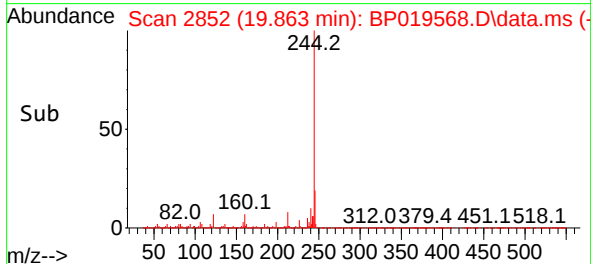
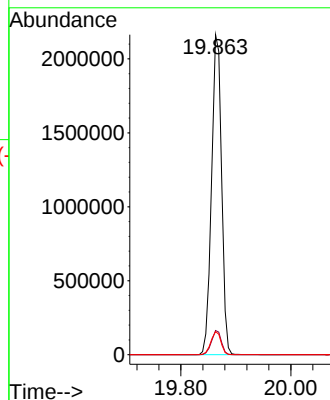
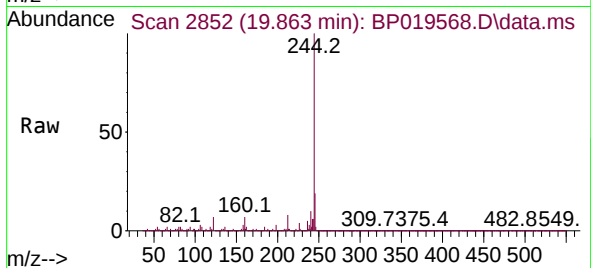
Tgt Ion:244 Resp: 2731556

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 7.2 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.234 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.005 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

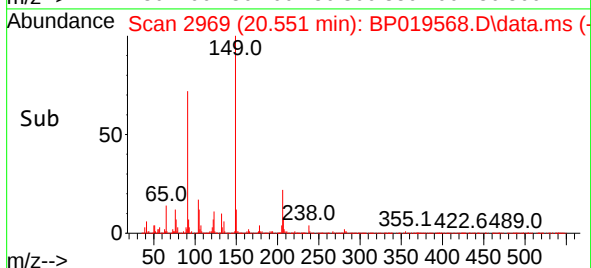
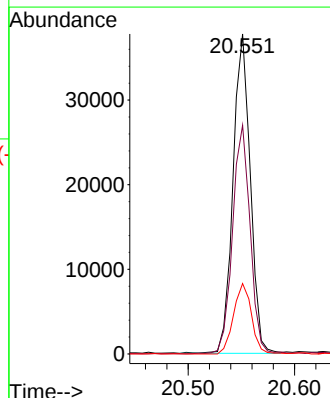
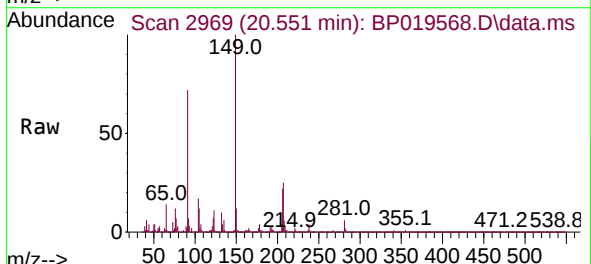
Tgt Ion:149 Resp: 42452

Ion Ratio Lower Upper

149 100

91 71.5 59.4 89.0

206 22.0 19.0 28.6

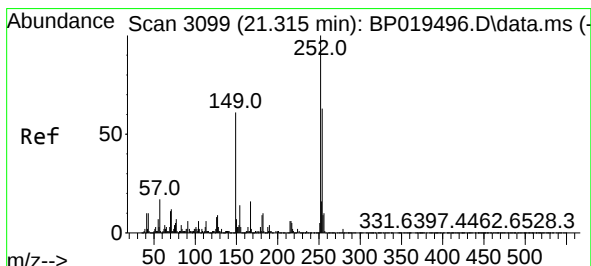
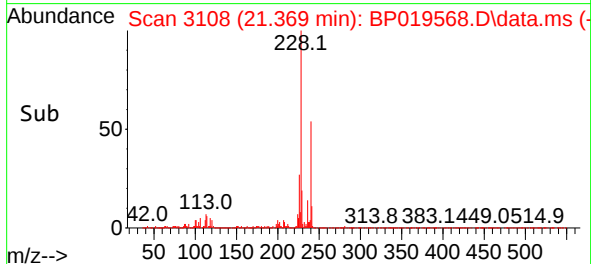
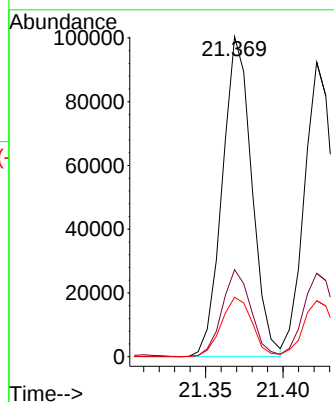
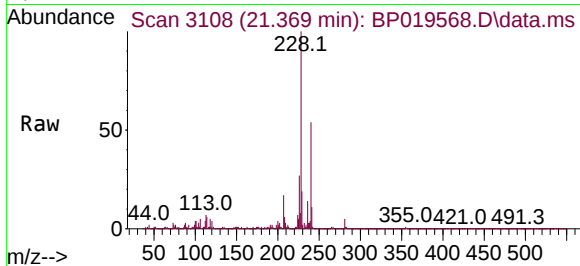




#81
Benzo(a)anthracene
Concen: 3.793 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

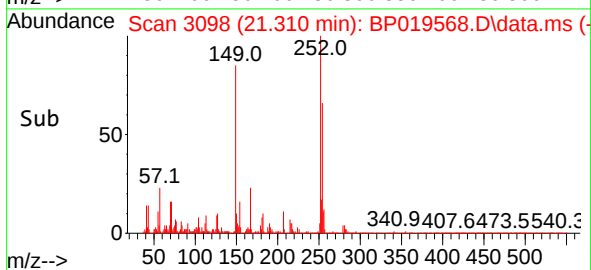
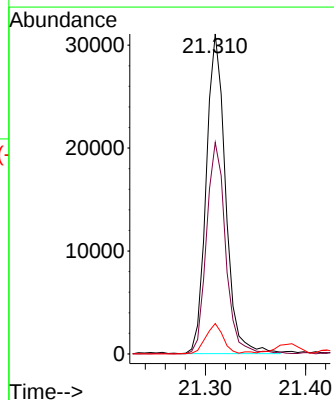
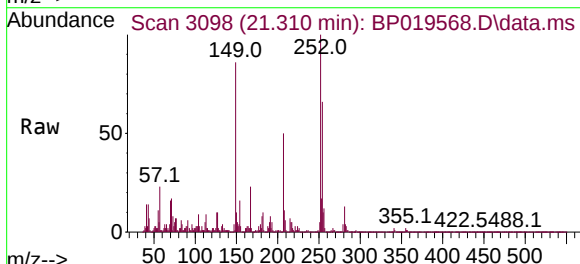
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

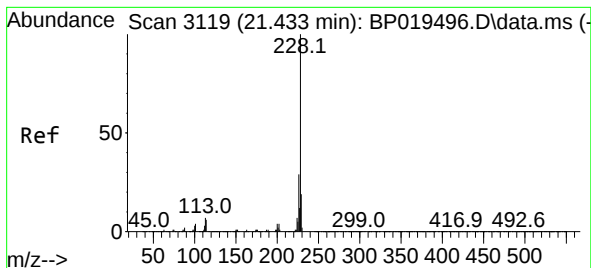
Tgt Ion:	228	Resp:	132975
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.7	32.5
229	18.5	15.6	23.4



#82
3,3'-Dichlorobenzidine
Concen: 3.252 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.005 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:	252	Resp:	41550
Ion Ratio	Lower	Upper	
252	100		
254	66.1	50.7	76.1
126	9.5	6.4	9.6





#83

Chrysene

Concen: 3.648 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

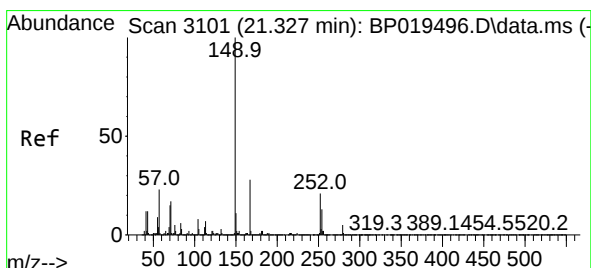
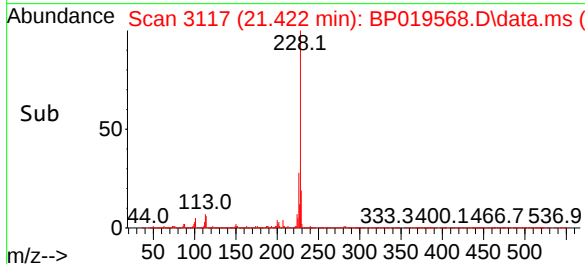
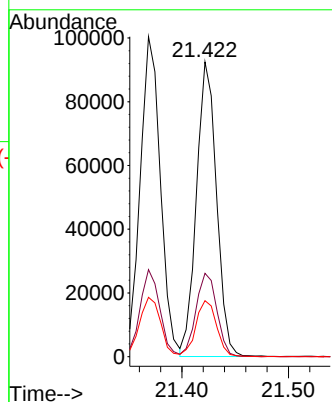
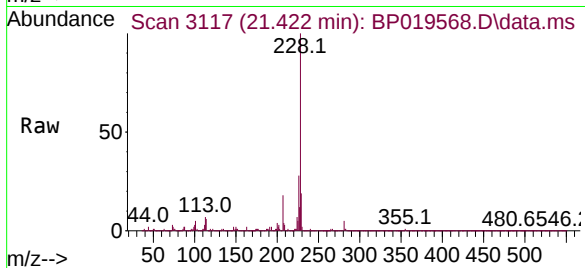
Tgt Ion:228 Resp: 121423

Ion Ratio Lower Upper

228 100

226 28.3 23.4 35.2

229 19.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.149 ng

RT: 21.316 min Scan# 3099

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

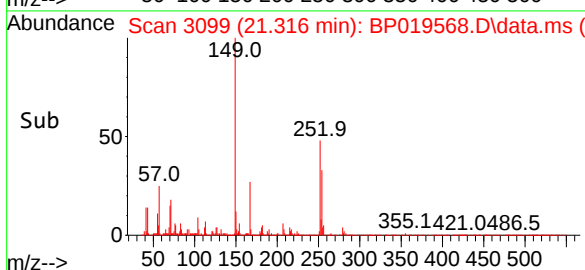
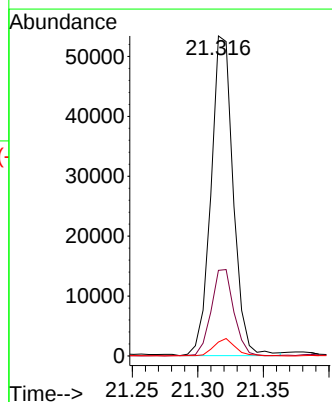
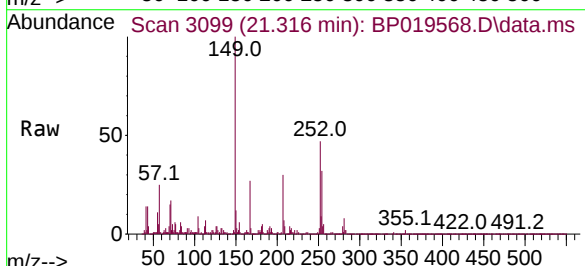
Tgt Ion:149 Resp: 62937

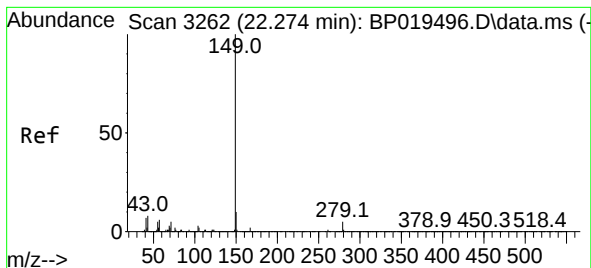
Ion Ratio Lower Upper

149 100

167 26.7 22.7 34.1

279 4.4 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.497 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

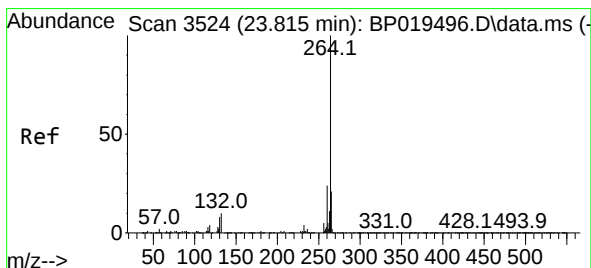
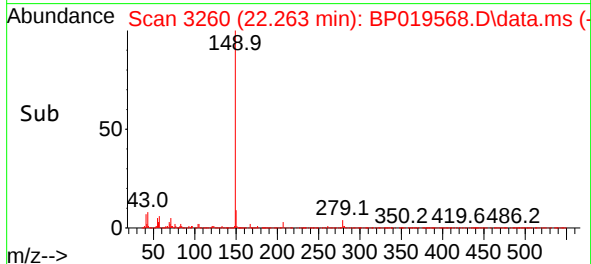
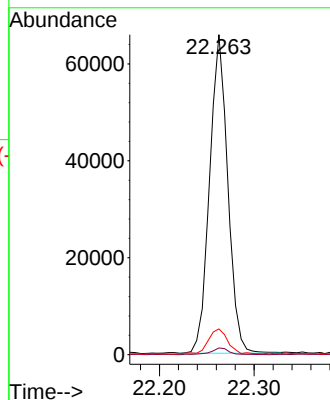
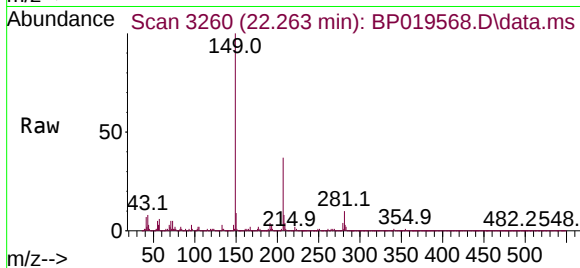
Tgt Ion:149 Resp: 87819

Ion Ratio Lower Upper

149 100

167 2.1 1.3 1.9#

43 8.5 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: BP019568.D

Acq: 06 Feb 2024 11:56

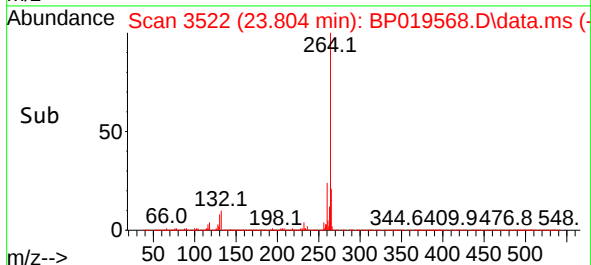
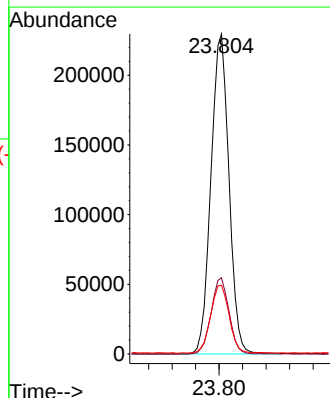
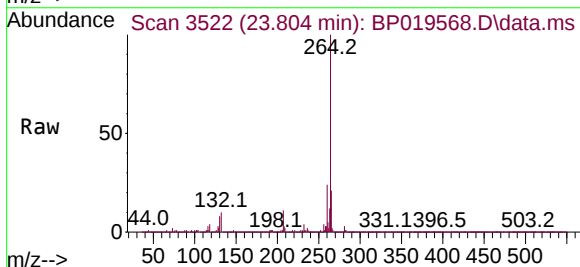
Tgt Ion:264 Resp: 487921

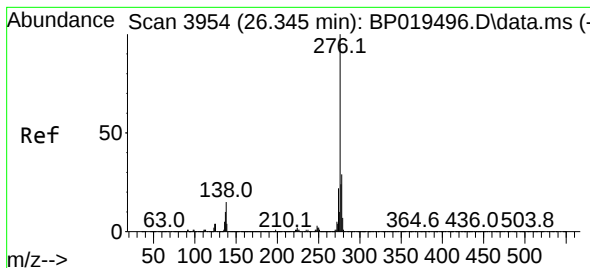
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.283 ng

RT: 26.315 min Scan# 3949

Delta R.T. -0.029 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

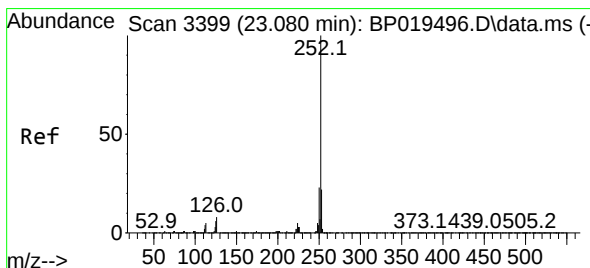
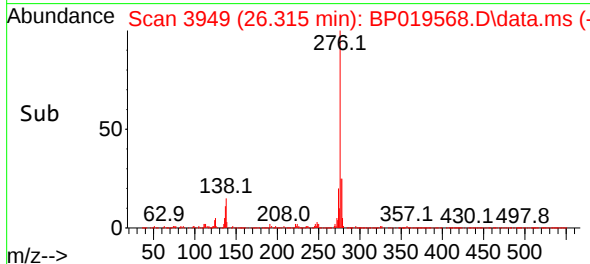
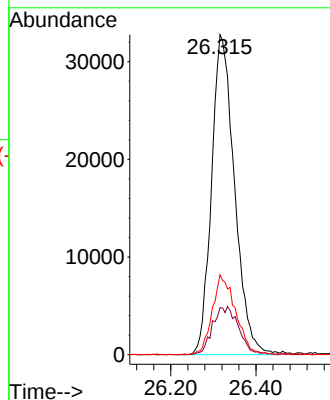
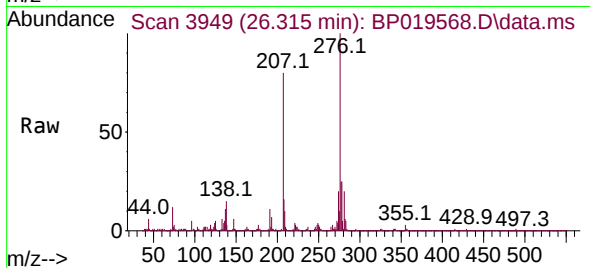
Tgt Ion:276 Resp: 122633

Ion Ratio Lower Upper

276 100

138 16.9 13.1 19.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.642 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

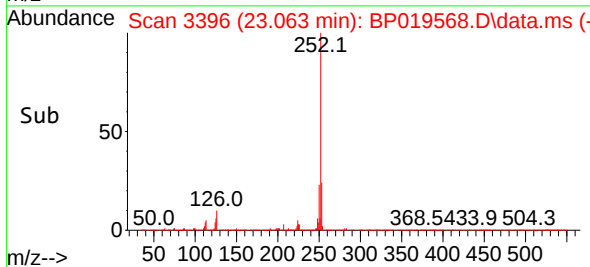
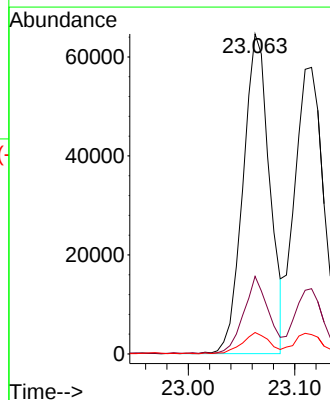
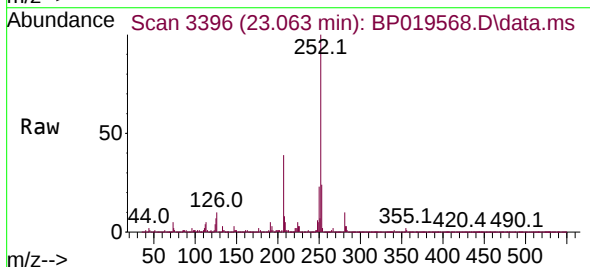
Tgt Ion:252 Resp: 111986

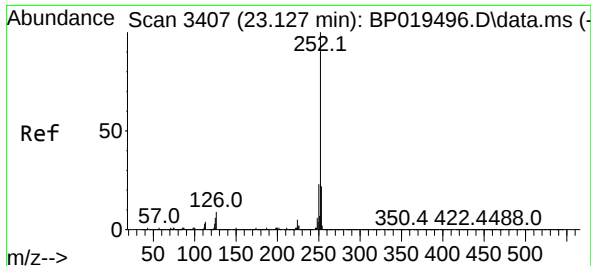
Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 6.7 4.9 7.3

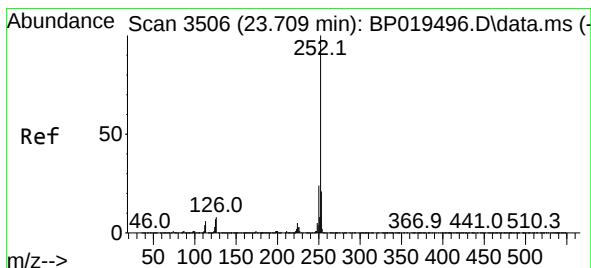
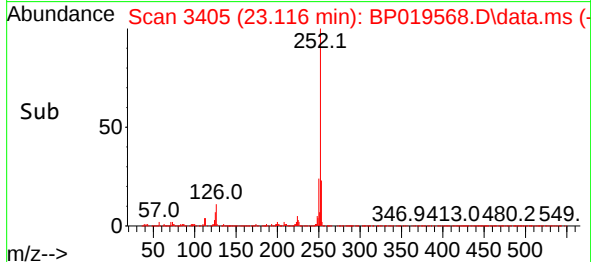
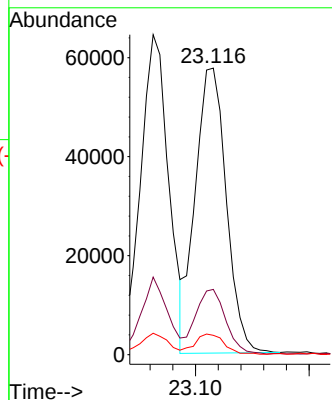
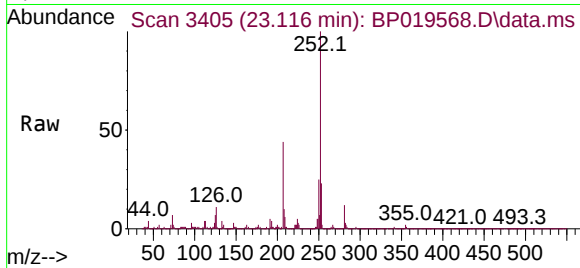




#89
Benzo(k)fluoranthene
Concen: 3.709 ng
RT: 23.116 min Scan# 34
Delta R.T. -0.011 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

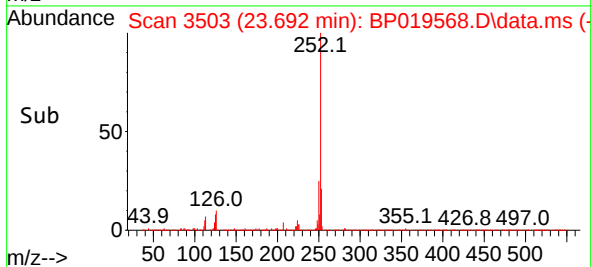
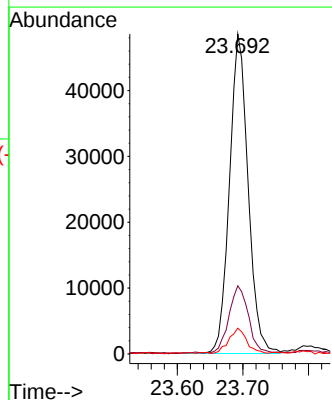
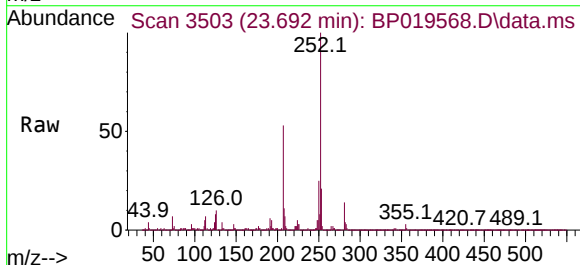
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

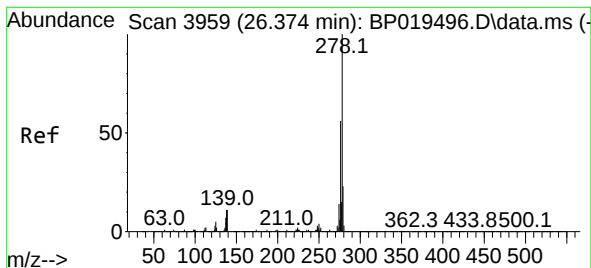
Tgt Ion:252 Resp: 108964
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 6.8 5.0 7.6



#90
Benzo(a)pyrene
Concen: 3.505 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019568.D
Acq: 06 Feb 2024 11:56

Tgt Ion:252 Resp: 95909
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 8.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.297 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

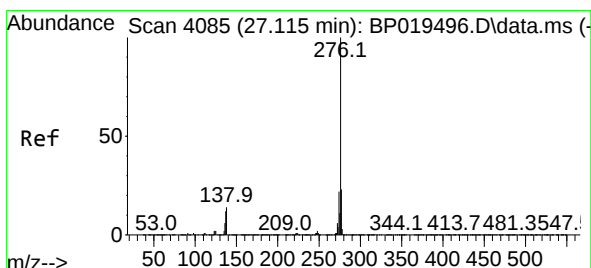
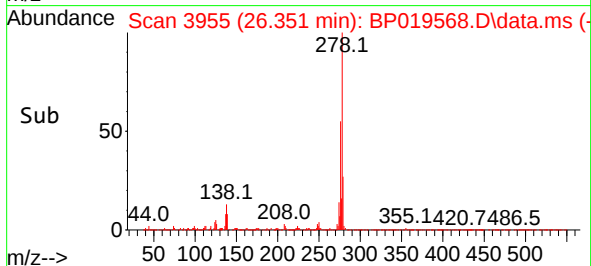
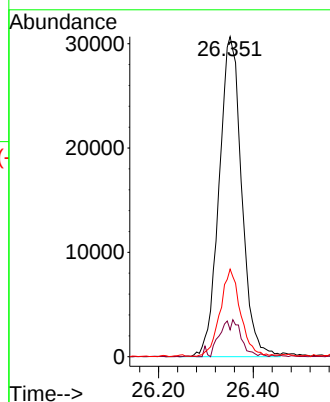
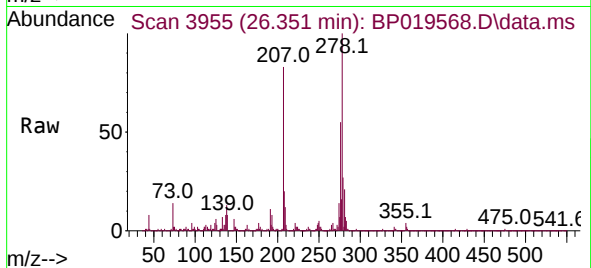
Tgt Ion:278 Resp: 101277

Ion Ratio Lower Upper

278 100

139 8.4 8.6 12.8#

279 27.4 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.188 ng

RT: 27.086 min Scan# 4080

Delta R.T. -0.029 min

Lab File: BP019568.D

Acq: 06 Feb 2024 11:56

Tgt Ion:276 Resp: 99361

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 13.9 10.9 16.3

