

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131323.D
 Acq On : 22 Nov 2022 10:55
 Operator : CG\JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 23 03:41:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 03:40:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	107838	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	393835	20.000	ng	# 0.00
39) Acenaphthene-d10	10.016	164	237577	20.000	ng	-0.01
64) Phenanthrene-d10	11.516	188	456610	20.000	ng	0.00
76) Chrysene-d12	14.168	240	335214	20.000	ng	#-0.01
86) Perylene-d12	15.709	264	238970	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	538200	94.986	ng	0.00
7) Phenol-d6	6.581	99	672355	93.004	ng	0.00
23) Nitrobenzene-d5	7.533	82	521557	66.756	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	214946	107.540	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	1031102	63.140	ng	0.00
79) Terphenyl-d14	13.115	244	1256995	61.320	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	9401	3.480	ng	95
3) Pyridine	3.587	79	23661	3.155	ng	84
4) n-Nitrosodimethylamine	3.487	42	14423	3.261	ng	# 96
6) Aniline	6.622	93	35711	3.769	ng	98
8) 2-Chlorophenol	6.745	128	23954	3.732	ng	96
9) Benzaldehyde	6.516	77	22450	4.420	ng	90
10) Phenol	6.586	94	29890	3.729	ng	85
11) bis(2-Chloroethyl)ether	6.692	93	24907	3.709	ng	92
12) 1,3-Dichlorobenzene	6.904	146	28931	3.782	ng	96
13) 1,4-Dichlorobenzene	6.981	146	28013	3.604	ng	97
14) 1,2-Dichlorobenzene	7.133	146	26737	3.735	ng	97
15) Benzyl Alcohol	7.122	79	21182	3.573	ng	# 63
16) 2,2'-oxybis(1-Chloropr...	7.233	45	46050	3.586	ng	96
17) 2-Methylphenol	7.198	107	19784	3.616	ng	97
18) Hexachloroethane	7.481	117	10214	3.673	ng	93
19) n-Nitroso-di-n-propyla...	7.369	70	19380	3.662	ng	97
20) 3+4-Methylphenols	7.198	107	19784	2.832	ng	83
22) Acetophenone	7.369	105	38867	3.877	ng	# 97
24) Nitrobenzene	7.545	77	30737	3.776	ng	95
25) Isophorone	7.781	82	51925	3.725	ng	98
26) 2-Nitrophenol	7.863	139	7113	3.266	ng	# 92
27) 2,4-Dimethylphenol	7.892	122	21974	4.067	ng	92
28) bis(2-Chloroethoxy)met...	7.992	93	31265	3.949	ng	99
29) 2,4-Dichlorophenol	8.098	162	20473	3.493	ng	97
30) 1,2,4-Trichlorobenzene	8.192	180	25340	3.490	ng	96
31) Naphthalene	8.275	128	76486	3.644	ng	99
32) Benzoic acid	7.928	122	5287	1.721	ng	95
33) 4-Chloroaniline	8.316	127	30259	3.655	ng	98
34) Hexachlorobutadiene	8.392	225	16208	3.447	ng	100
35) Caprolactam	8.645	113	5705	3.704	ng	# 86
36) 4-Chloro-3-methylphenol	8.786	107	20194	3.316	ng	89
37) 2-Methylnaphthalene	8.969	142	51378	3.613	ng	97
38) 1-Methylnaphthalene	9.069	142	49879	3.617	ng	96
40) 1,2,4,5-Tetrachloroben...	9.133	216	27907	3.620	ng	98
41) Hexachlorocyclopentadiene	9.122	237	12051	3.477	ng	99
43) 2,4,6-Trichlorophenol	9.239	196	13584	3.106	ng	95

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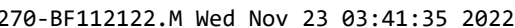
Instrument :
 BNA_F
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 MDL-SOIL-03-QT4-2022

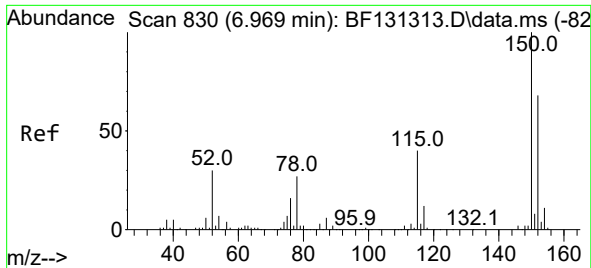
Quant Time: Nov 23 03:41:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 03:40:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	16109	3.275	ng	94
46) 1,1'-Biphenyl	9.433	154	70021	3.862	ng	96
47) 2-Chloronaphthalene	9.457	162	52087	3.581	ng	98
48) 2-Nitroaniline	9.551	65	13514	3.060	ng	97
49) Acenaphthylene	9.874	152	79325	3.578	ng	99
50) Dimethylphthalate	9.727	163	60690	3.666	ng	99
51) 2,6-Dinitrotoluene	9.792	165	10792	3.260	ng	# 84
52) Acenaphthene	10.051	154	48422	3.488	ng	98
53) 3-Nitroaniline	9.963	138	10904	3.206	ng	96
54) 2,4-Dinitrophenol	10.063	184	1409	1.267	ng	# 41
55) Dibenzofuran	10.222	168	73442	3.677	ng	96
56) 4-Nitrophenol	10.104	139	6984	2.958	ng	91
57) 2,4-Dinitrotoluene	10.192	165	13072	3.138	ng	# 94
58) Fluorene	10.569	166	59980	3.848	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.333	232	13625	3.327	ng	97
60) Diethylphthalate	10.433	149	58642	3.752	ng	100
61) 4-Chlorophenyl-phenyle...	10.563	204	32428	4.058	ng	92
62) 4-Nitroaniline	10.569	138	11044	3.262	ng	94
63) Azobenzene	10.722	77	60699	3.612	ng	96
65) 4,6-Dinitro-2-methylph...	10.598	198	2819	1.569	ng	89
66) n-Nitrosodiphenylamine	10.674	169	51004	3.506	ng	99
67) 4-Bromophenyl-phenylether	11.051	248	19591	3.501	ng	97
68) Hexachlorobenzene	11.116	284	21328	3.591	ng	# 88
69) Atrazine	11.198	200	17459	3.897	ng	98
70) Pentachlorophenol	11.304	266	7317	2.401	ng	85
71) Phenanthrene	11.533	178	91666	3.715	ng	99
72) Anthracene	11.586	178	91214	3.761	ng	99
73) Carbazole	11.739	167	77255	3.735	ng	98
74) Di-n-butylphthalate	12.074	149	88780	3.642	ng	99
75) Fluoranthene	12.733	202	95221	3.662	ng	97
77) Benzidine	12.857	184	32870	5.309	ng	96
78) Pyrene	12.963	202	98090	3.317	ng	97
80) Butylbenzylphthalate	13.586	149	25082	2.943	ng	96
81) Benzo(a)anthracene	14.157	228	79125	3.444	ng	96
82) 3,3'-Dichlorobenzidine	14.121	252	20205	3.314	ng	99
83) Chrysene	14.198	228	73502	3.261	ng	99
84) Bis(2-ethylhexyl)phtha...	14.145	149	34373	2.989	ng	# 99
85) Di-n-octyl phthalate	14.774	149	38597	2.225	ng	100
87) Indeno(1,2,3-cd)pyrene	17.274	276	41596	2.592	ng	96
88) Benzo(b)fluoranthene	15.245	252	52246	3.291	ng	96
89) Benzo(k)fluoranthene	15.280	252	56075	3.437	ng	99
90) Benzo(a)pyrene	15.639	252	43439	3.335	ng	# 96
91) Dibenzo(a,h)anthracene	17.303	278	36850	2.781	ng	# 93
92) Benzo(g,h,i)perylene	17.750	276	35316	2.670	ng	99

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

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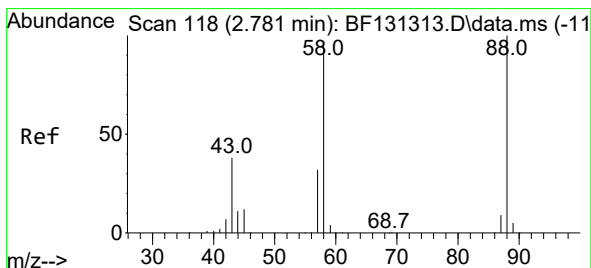
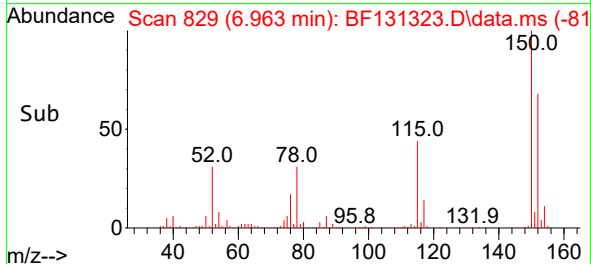
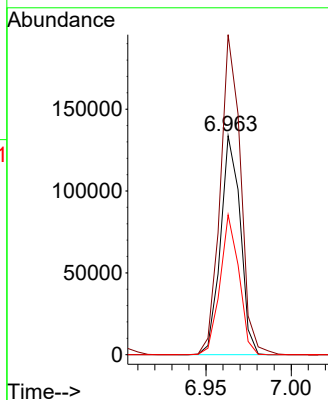
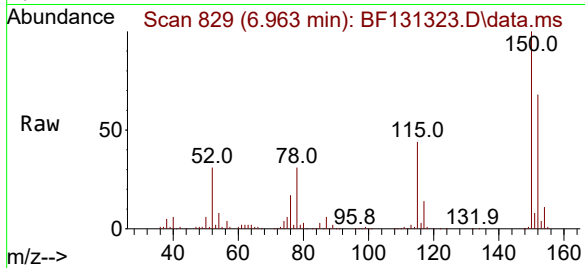




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

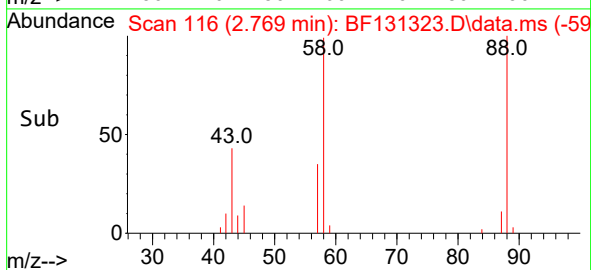
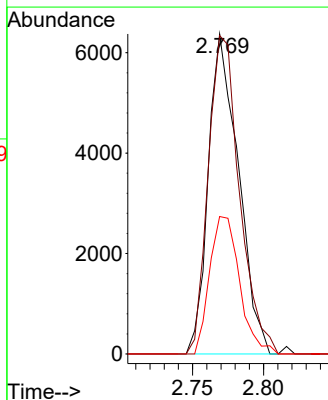
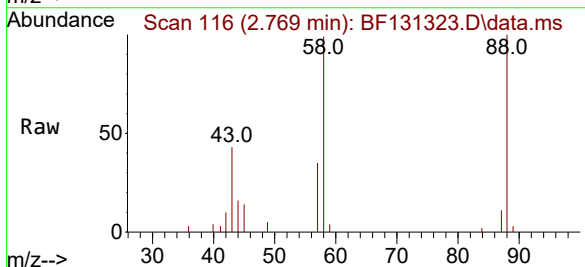
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

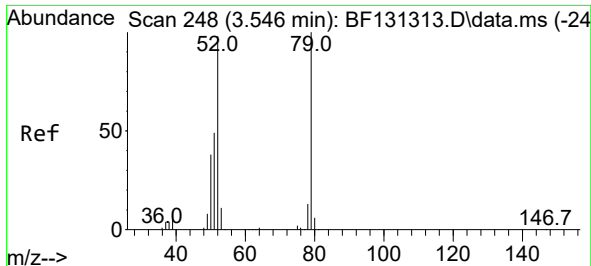
Tgt Ion:152 Resp: 107838
 Ion Ratio Lower Upper
 152 100
 150 146.2 117.8 176.8
 115 63.9 47.1 70.7



#2
 1,4-Dioxane
 Concen: 3.480 ng
 RT: 2.769 min Scan# 116
 Delta R.T. -0.012 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

Tgt Ion: 88 Resp: 9401
 Ion Ratio Lower Upper
 88 100
 58 103.0 78.2 117.4
 43 42.7 31.6 47.4





#3

Pyridine

Concen: 3.155 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

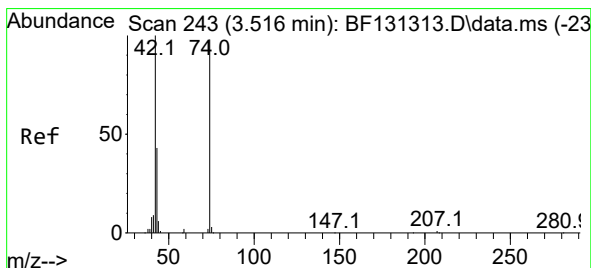
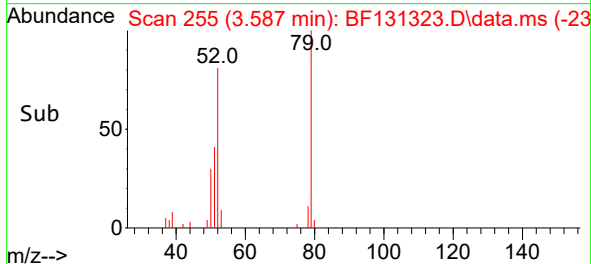
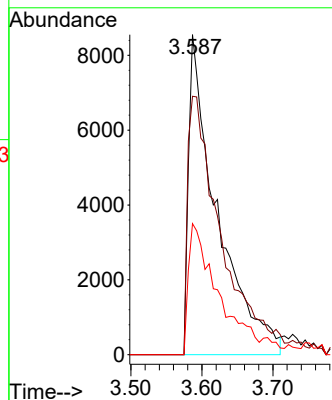
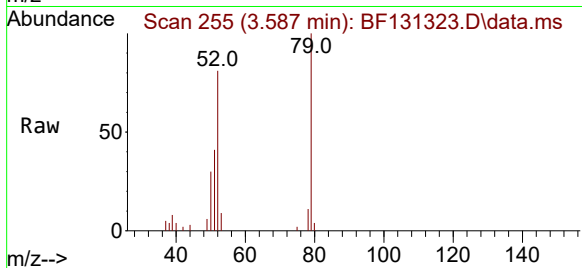
Tgt Ion: 79 Resp: 23661

Ion Ratio Lower Upper

79 100

52 80.7 78.7 118.1

51 41.0 39.3 58.9



#4

n-Nitrosodimethylamine

Concen: 3.261 ng

RT: 3.487 min Scan# 238

Delta R.T. -0.030 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

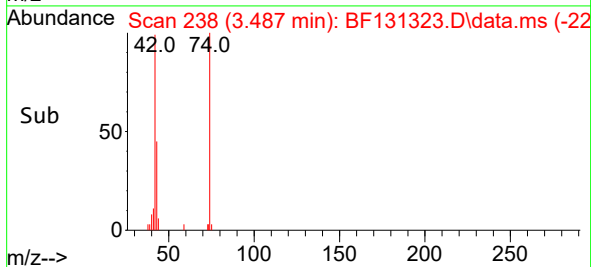
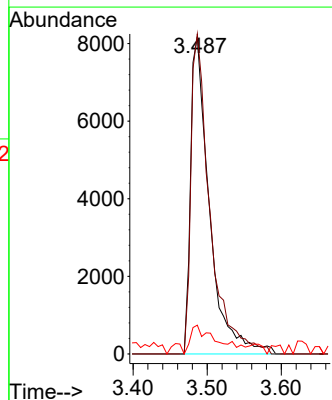
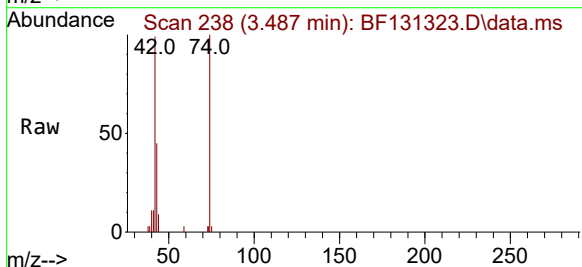
Tgt Ion: 42 Resp: 14423

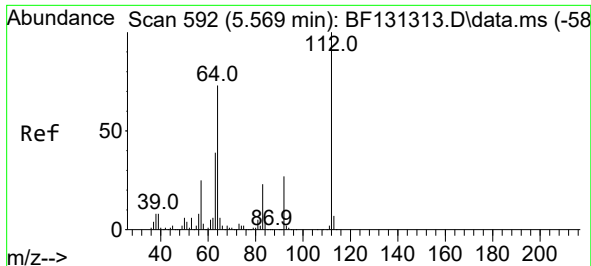
Ion Ratio Lower Upper

42 100

74 100.9 78.0 117.0

44 9.1 5.2 7.8#

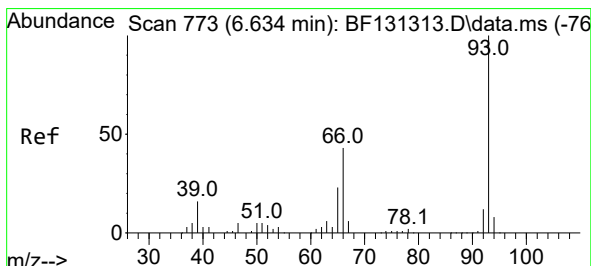
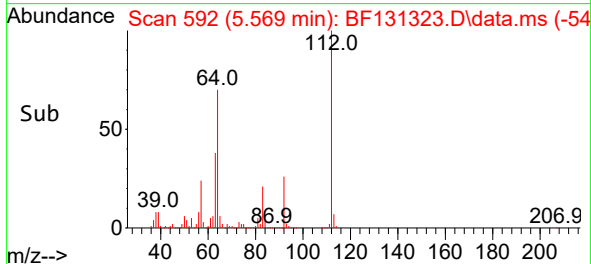
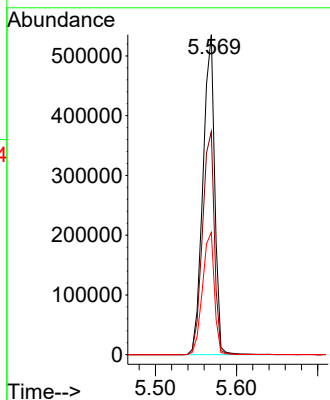
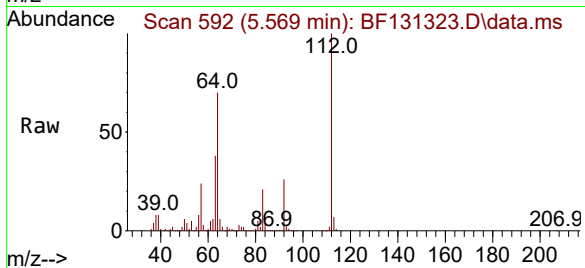




#5
2-Fluorophenol
Concen: 94.986 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

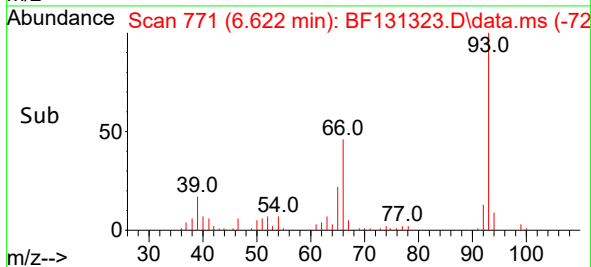
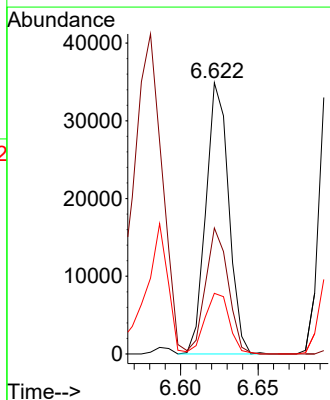
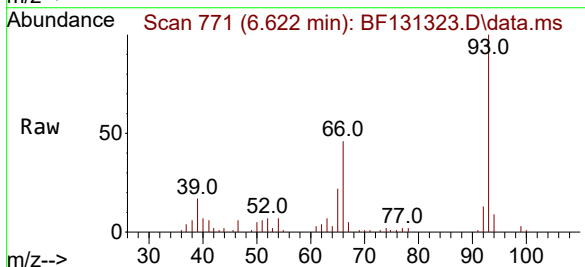
Instrument :
BNA_F
ClientSampleId :
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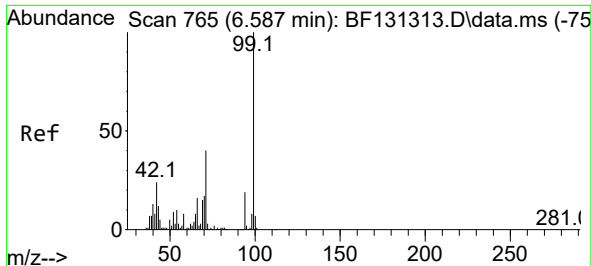
Tgt Ion:112 Resp: 538200
Ion Ratio Lower Upper
112 100
64 69.7 58.6 88.0
63 38.2 31.4 47.0



#6
Aniline
Concen: 3.769 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 93 Resp: 35711
Ion Ratio Lower Upper
93 100
66 46.5 35.6 53.4
65 22.4 18.4 27.6

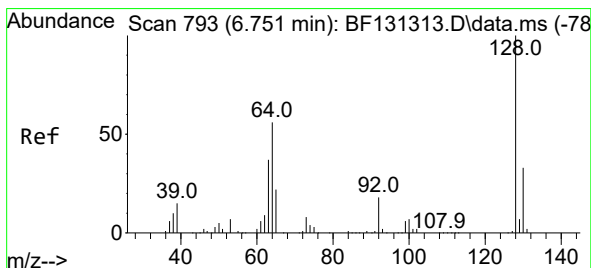
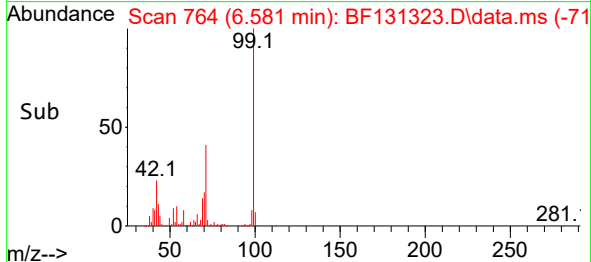
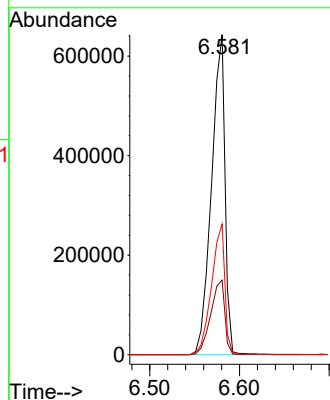
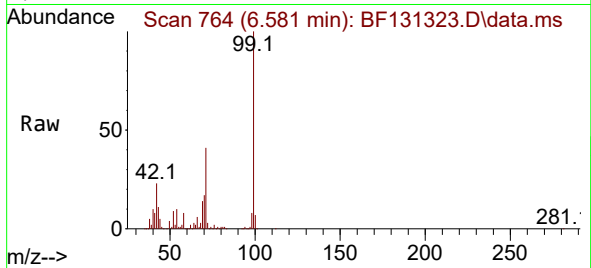




#7
Phenol-d6
Concen: 93.004 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

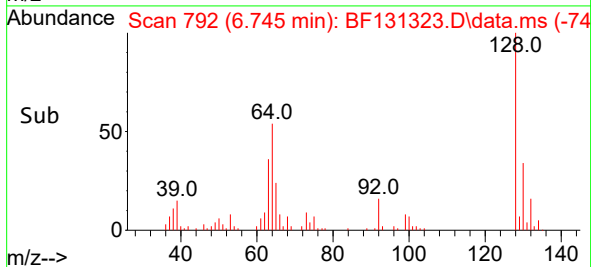
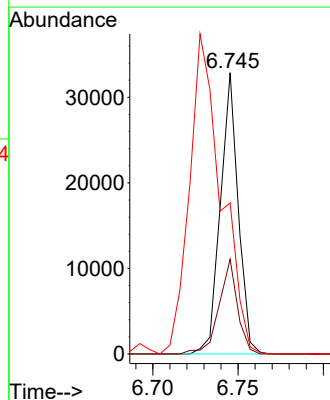
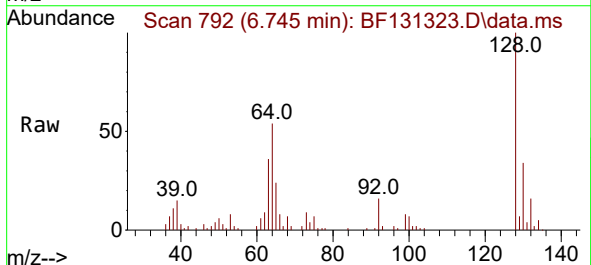
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ClientSampleId :
MDL-SOIL-03-QT4-2022

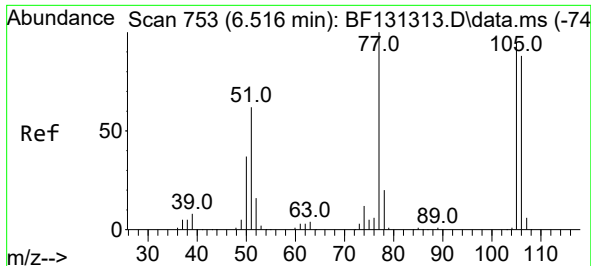
Tgt Ion: 99 Resp: 672355
Ion Ratio Lower Upper
99 100
42 23.3 19.4 29.2
71 40.8 32.3 48.5



#8
2-Chlorophenol
Concen: 3.732 ng
RT: 6.745 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 128 Resp: 23954
Ion Ratio Lower Upper
128 100
130 33.7 12.5 52.5
64 53.7 36.9 76.9





#9

Benzaldehyde

Concen: 4.420 ng

RT: 6.516 min Scan# 753

Delta R.T. -0.000 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

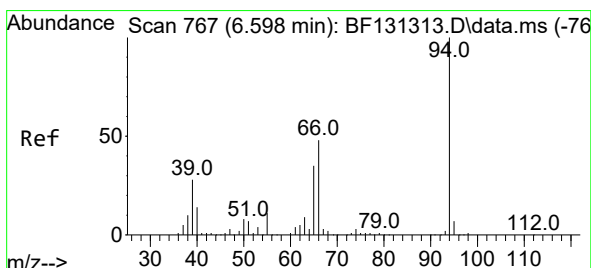
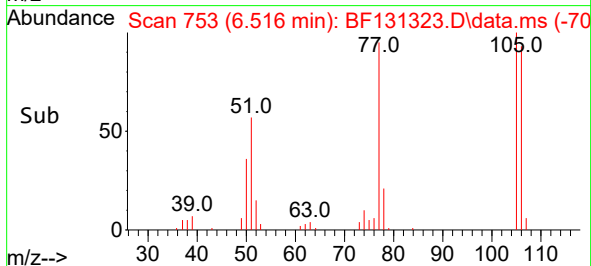
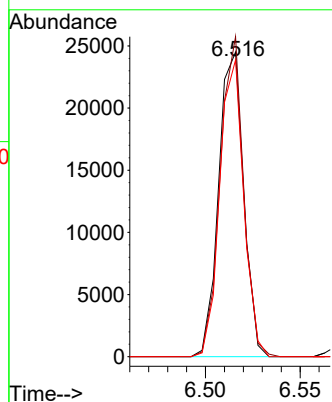
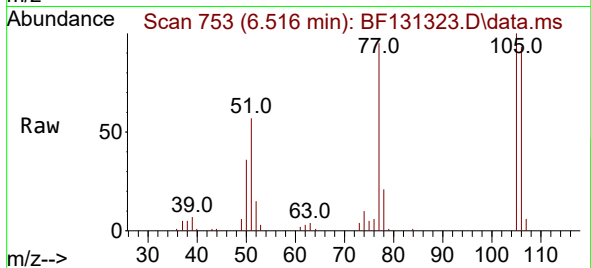
Tgt Ion: 77 Resp: 22450

Ion Ratio Lower Upper

77 100

105 105.1 74.5 114.5

106 97.4 68.1 108.1



#10

Phenol

Concen: 3.729 ng

RT: 6.586 min Scan# 765

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

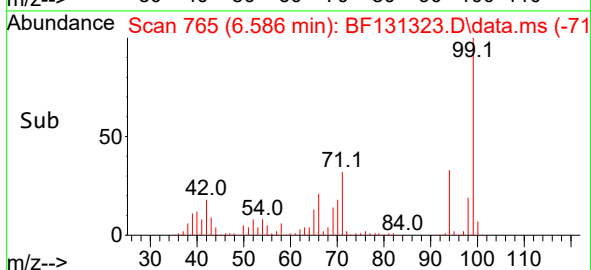
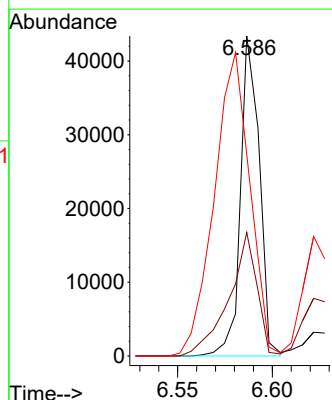
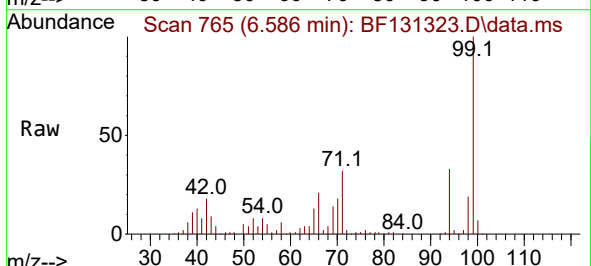
Tgt Ion: 94 Resp: 29890

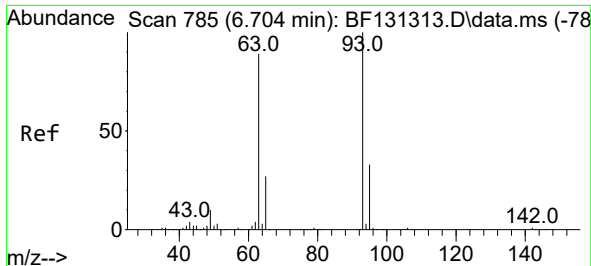
Ion Ratio Lower Upper

94 100

65 38.6 15.0 55.0

66 62.9 28.6 68.6





#11

bis(2-Chloroethyl)ether

Concen: 3.709 ng

RT: 6.692 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

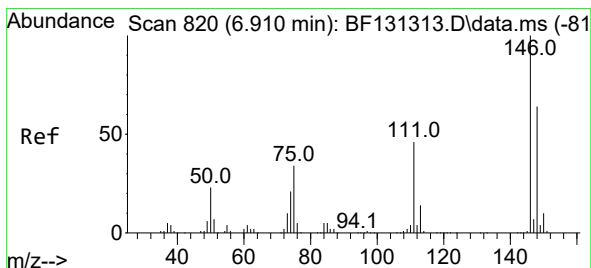
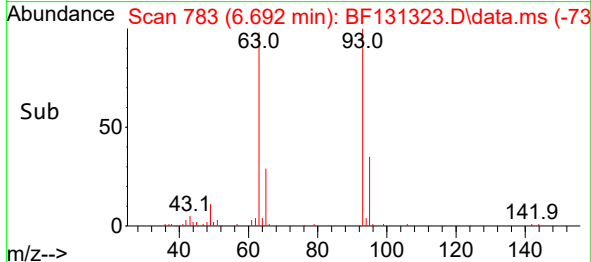
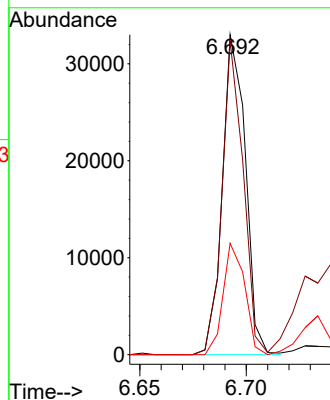
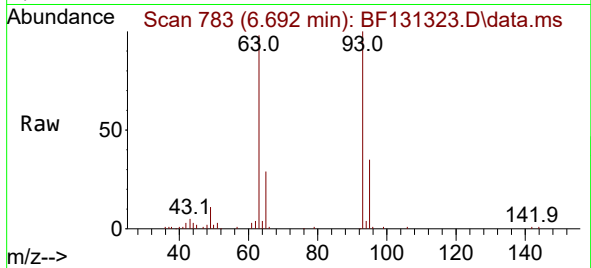
Tgt Ion: 93 Resp: 24907

Ion Ratio Lower Upper

93 100

63 98.3 68.6 108.6

95 34.8 13.1 53.1



#12

1,3-Dichlorobenzene

Concen: 3.782 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

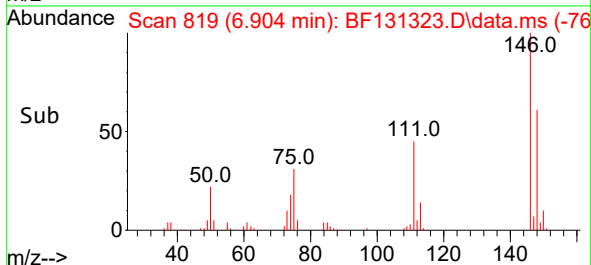
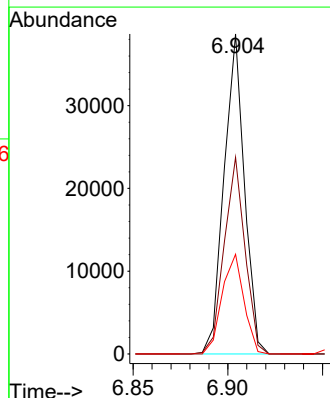
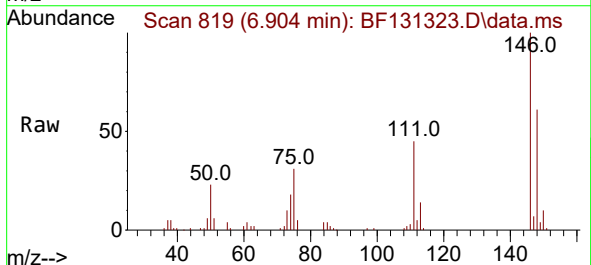
Tgt Ion:146 Resp: 28931

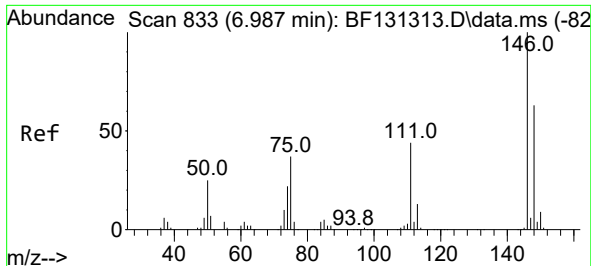
Ion Ratio Lower Upper

146 100

148 61.5 51.4 77.2

75 31.1 27.6 41.4

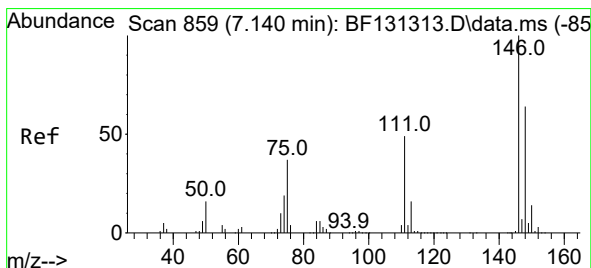
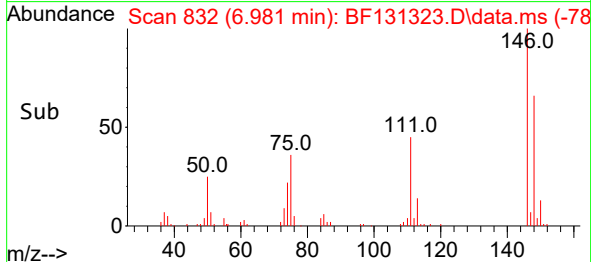
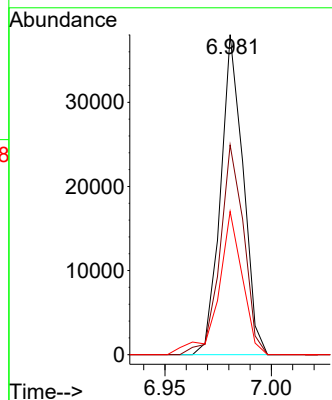
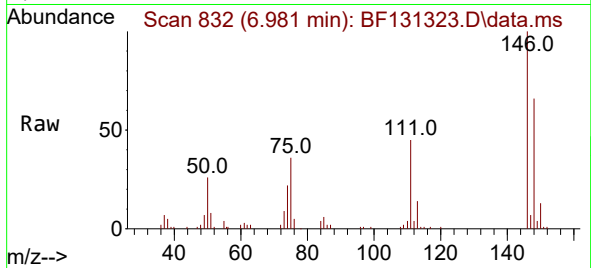




#13
1,4-Dichlorobenzene
Concen: 3.604 ng
RT: 6.981 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

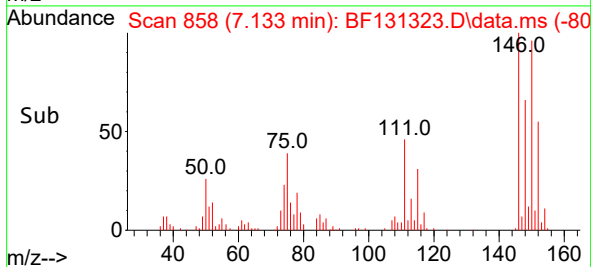
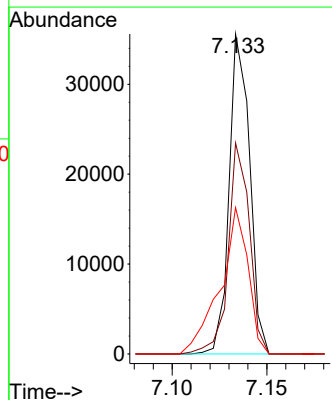
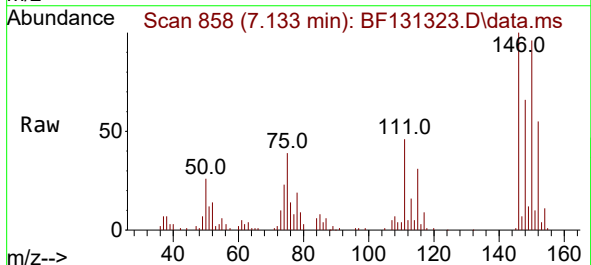
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

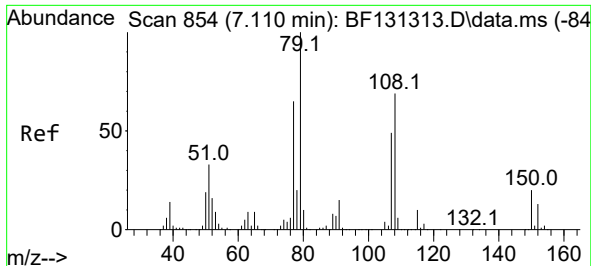
Tgt Ion:146 Resp: 28013
Ion Ratio Lower Upper
146 100
148 65.6 50.2 75.2
111 44.8 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 3.735 ng
RT: 7.133 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:146 Resp: 26737
Ion Ratio Lower Upper
146 100
148 66.0 51.4 77.0
111 45.8 39.4 59.0

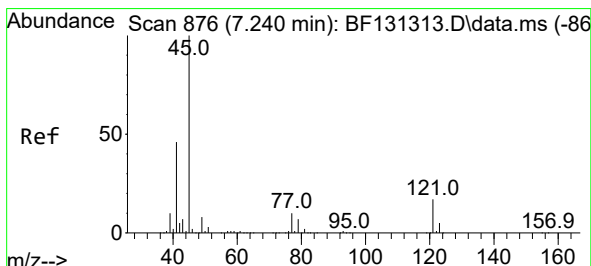
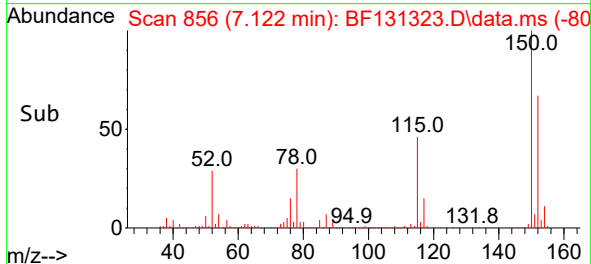
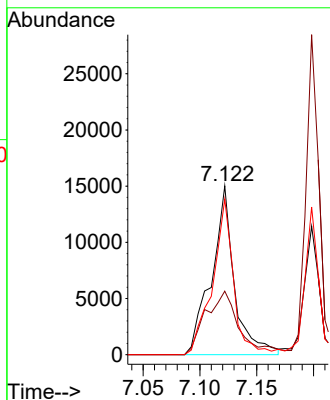
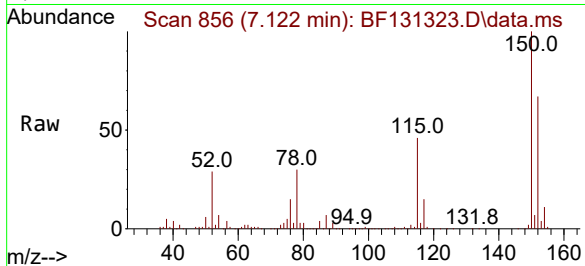




#15
Benzyl Alcohol
Concen: 3.573 ng
RT: 7.122 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

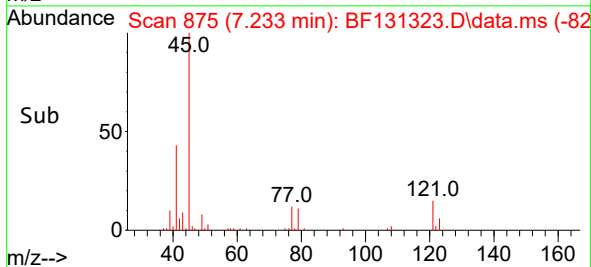
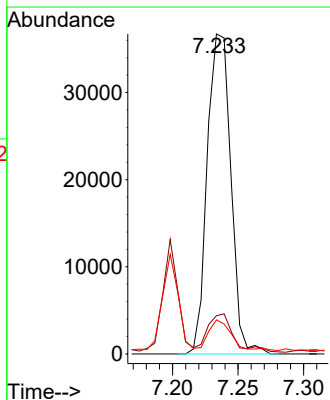
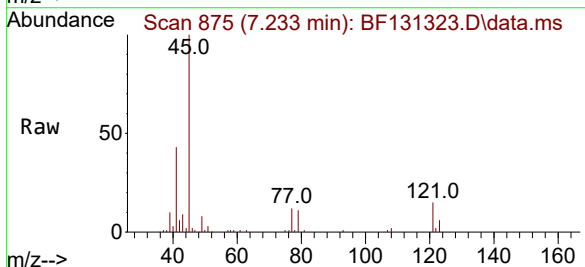
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

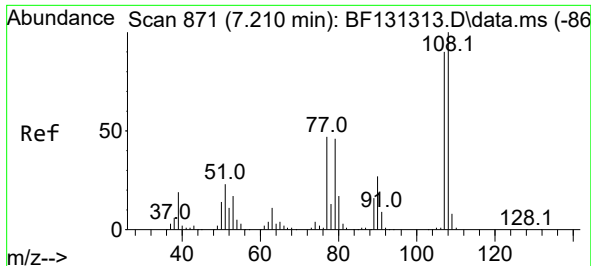
Tgt Ion: 79 Resp: 21182
Ion Ratio Lower Upper
79 100
108 37.7 55.1 82.7#
77 92.1 51.8 77.8#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.586 ng
RT: 7.233 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 45 Resp: 46050
Ion Ratio Lower Upper
45 100
77 12.0 0.0 31.2
79 10.6 0.0 28.4

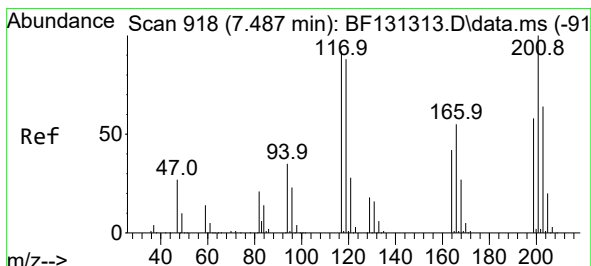
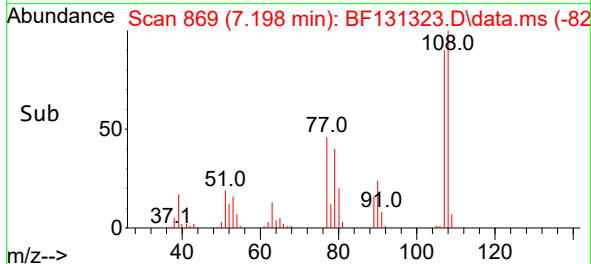
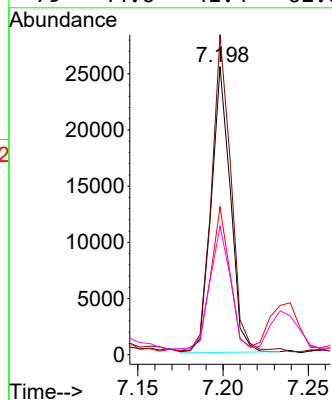
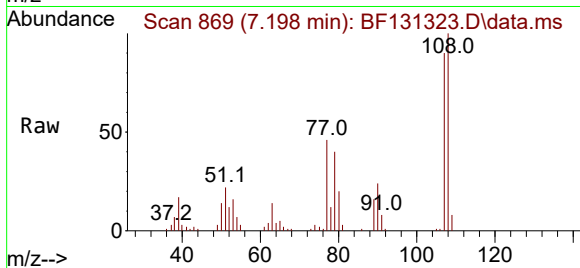




#17
2-Methylphenol
Concen: 3.616 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

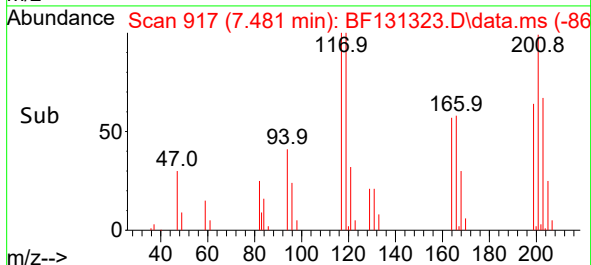
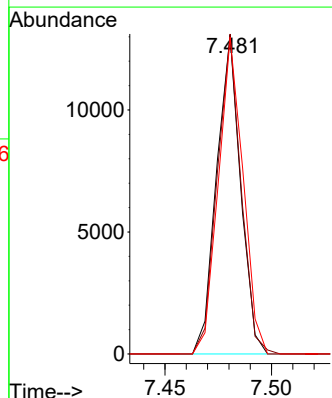
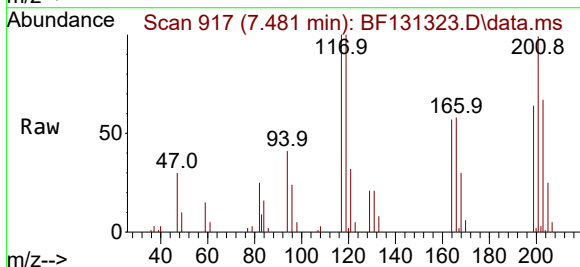
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

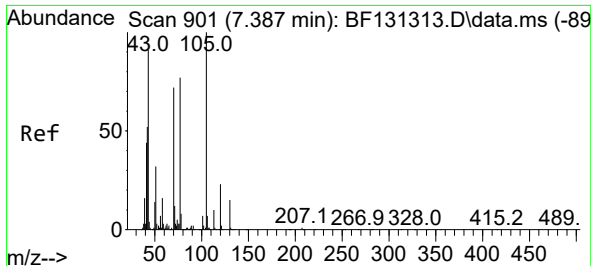
Tgt Ion:107 Resp: 19784
Ion Ratio Lower Upper
107 100
108 111.1 89.0 133.6
77 51.3 42.5 63.7
79 44.6 41.4 62.0



#18
Hexachloroethane
Concen: 3.673 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:117 Resp: 10214
Ion Ratio Lower Upper
117 100
119 100.3 76.6 115.0
201 99.3 87.0 130.6





#19

n-Nitroso-di-n-propylamine

Concen: 3.662 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF131323.D

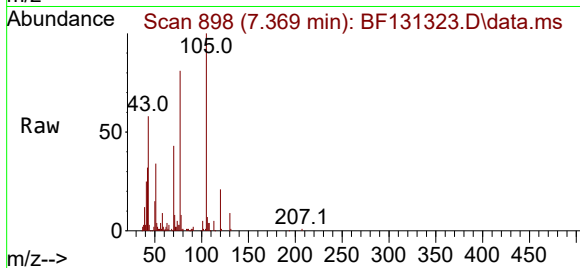
Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion: 70 Resp: 19380

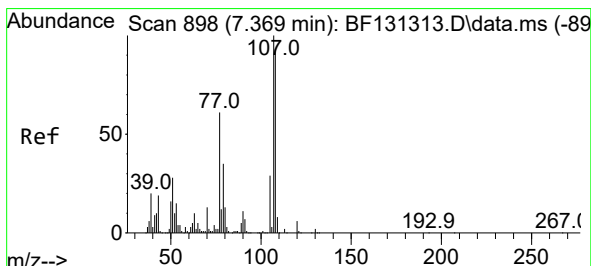
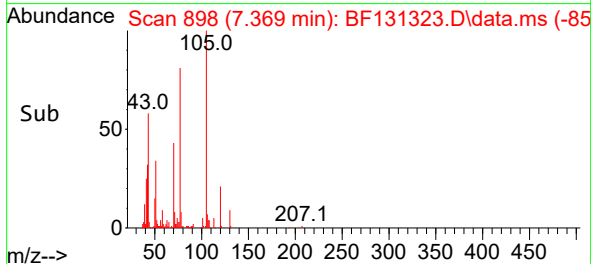
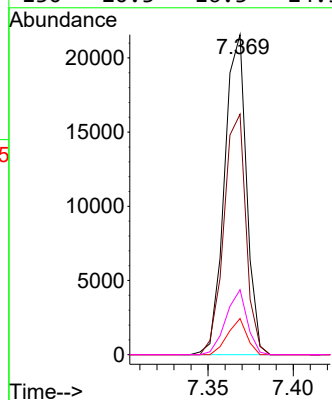
Ion Ratio Lower Upper

70 100

42 75.2 57.6 86.4

101 11.3 8.2 12.2

130 20.3 16.3 24.5



#20

3+4-Methylphenols

Concen: 2.832 ng

RT: 7.198 min Scan# 869

Delta R.T. -0.171 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Tgt Ion: 107 Resp: 19784

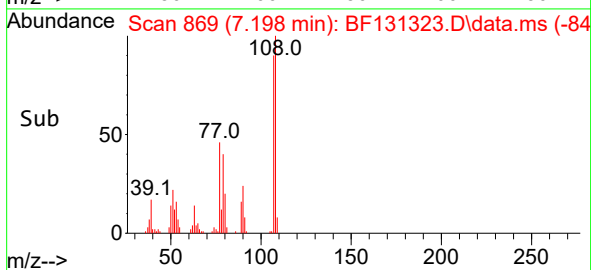
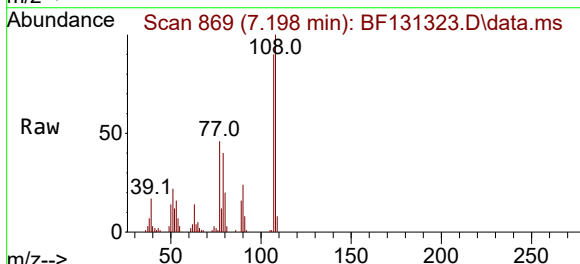
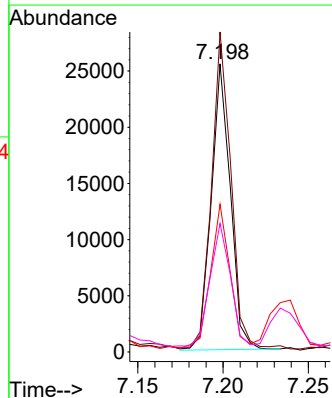
Ion Ratio Lower Upper

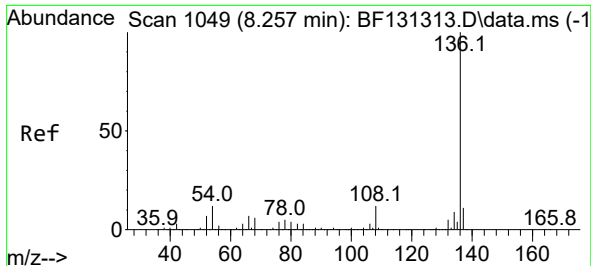
107 100

108 111.1 72.6 112.6

77 51.3 41.4 81.4

79 44.6 15.1 55.1

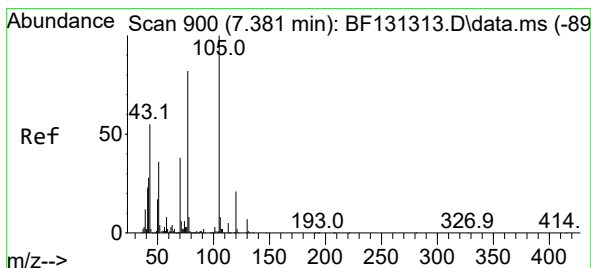
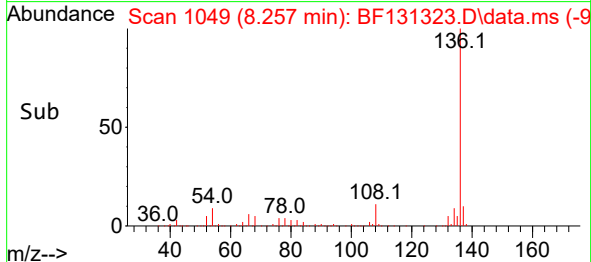
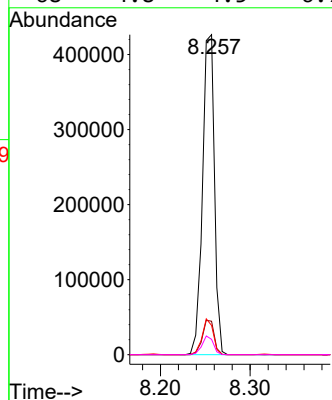
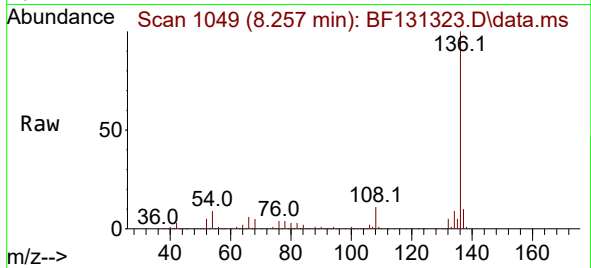




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

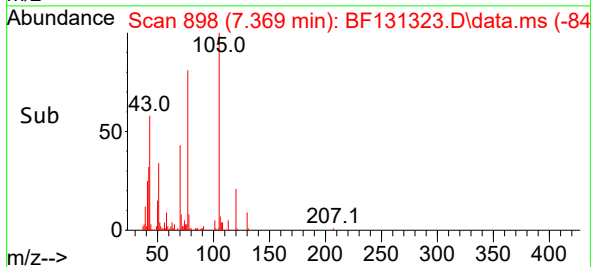
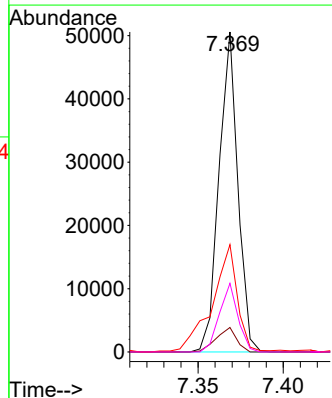
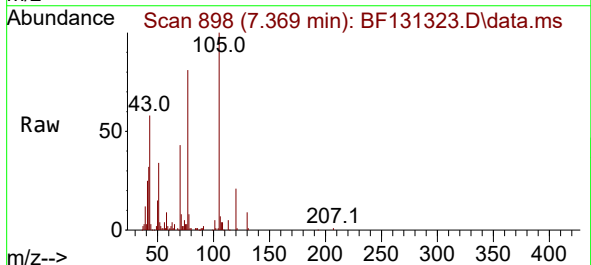
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

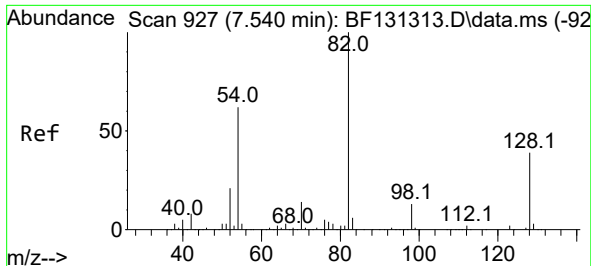
Tgt Ion:136 Resp: 393835
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 9.1 9.4 14.0#
68 4.8 4.5 6.7



#22
Acetophenone
Concen: 3.877 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:105 Resp: 38867
Ion Ratio Lower Upper
105 100
71 7.6 4.9 7.3#
51 33.6 29.0 43.4
120 21.4 16.9 25.3

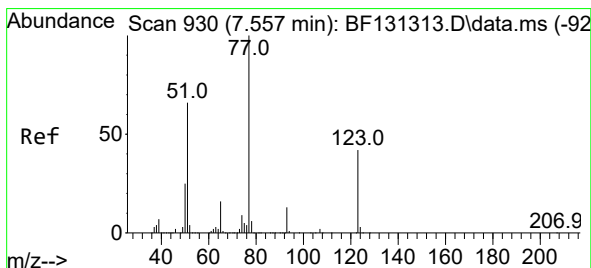
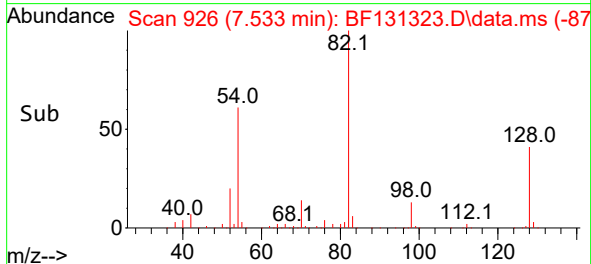
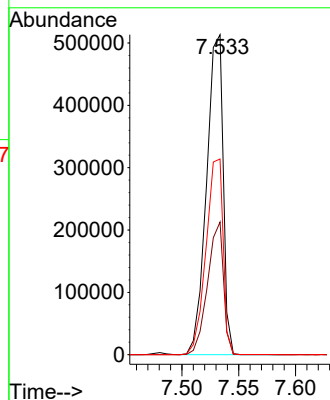
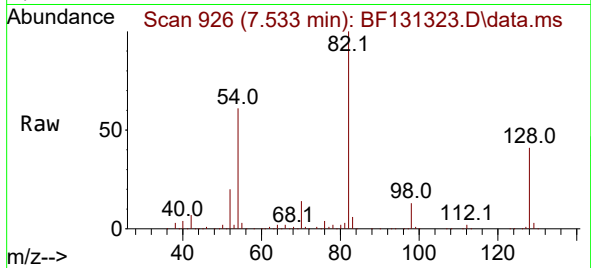




#23
Nitrobenzene-d5
Concen: 66.756 ng
RT: 7.533 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

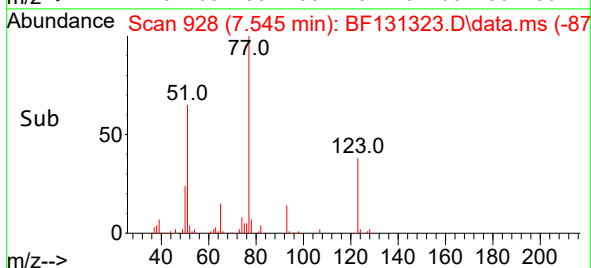
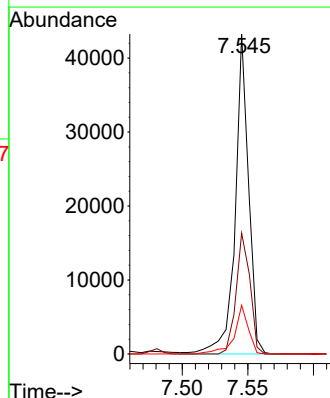
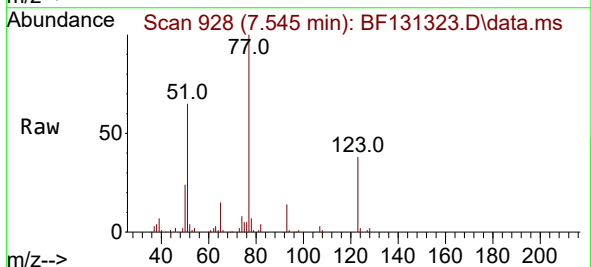
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

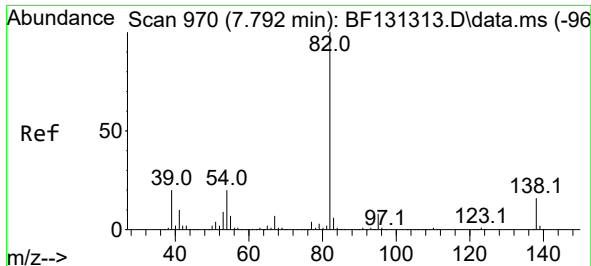
Tgt Ion: 82 Resp: 521557
Ion Ratio Lower Upper
82 100
128 41.5 31.4 47.0
54 61.2 49.8 74.6



#24
Nitrobenzene
Concen: 3.776 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 77 Resp: 30737
Ion Ratio Lower Upper
77 100
123 37.8 33.3 49.9
65 15.2 12.7 19.1

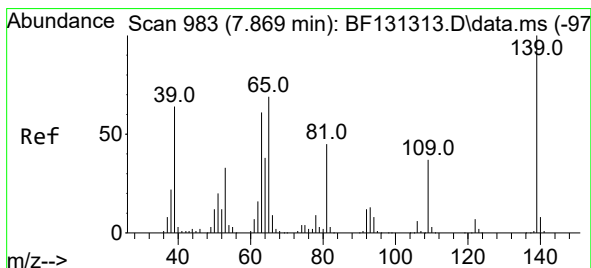
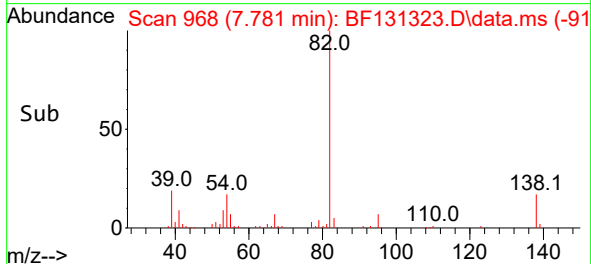
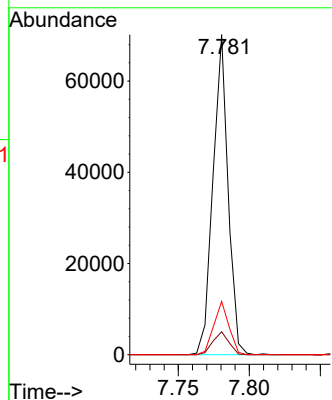
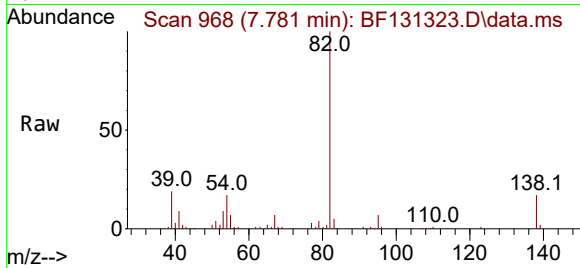




#25
Isophorone
Concen: 3.725 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

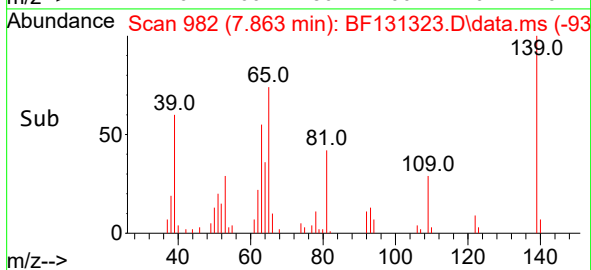
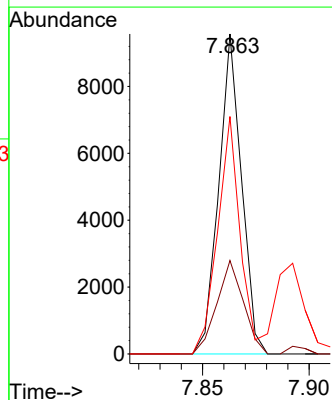
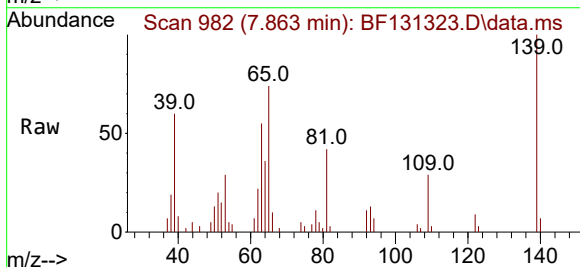
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

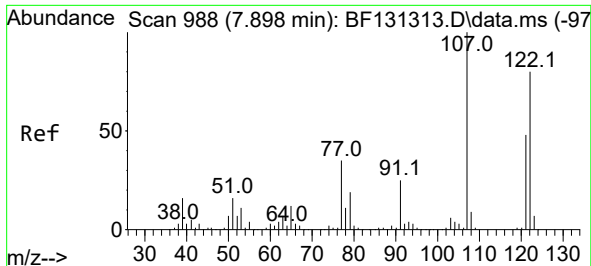
Tgt Ion: 82 Resp: 51925
Ion Ratio Lower Upper
82 100
95 7.2 6.2 9.2
138 16.6 12.7 19.1



#26
2-Nitrophenol
Concen: 3.266 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 139 Resp: 7113
Ion Ratio Lower Upper
139 100
109 29.2 29.9 44.9#
65 74.2 55.7 83.5





#27

2,4-Dimethylphenol

Concen: 4.067 ng

RT: 7.892 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

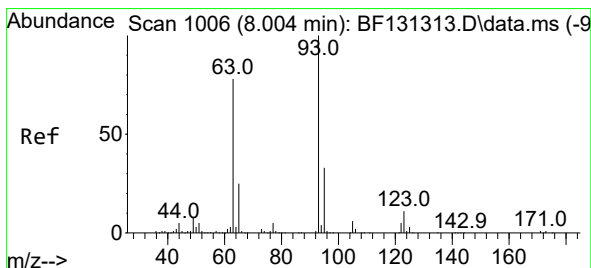
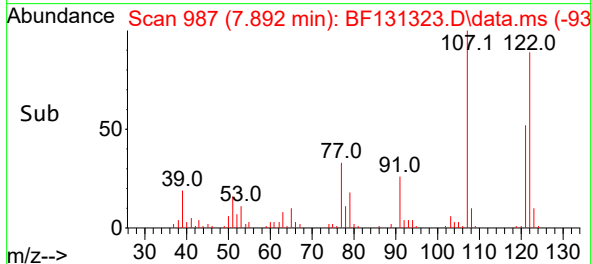
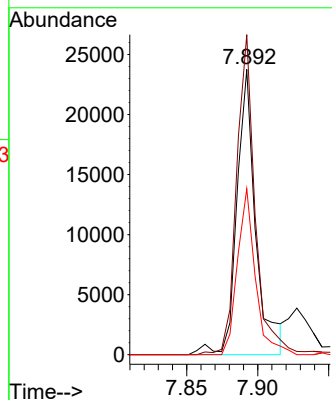
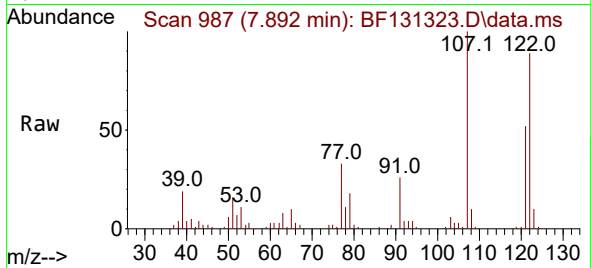
Tgt Ion:122 Resp: 21974

Ion Ratio Lower Upper

122 100

107 112.2 99.9 149.9

121 58.2 47.4 71.2



#28

bis(2-Chloroethoxy)methane

Concen: 3.949 ng

RT: 7.992 min Scan# 1004

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

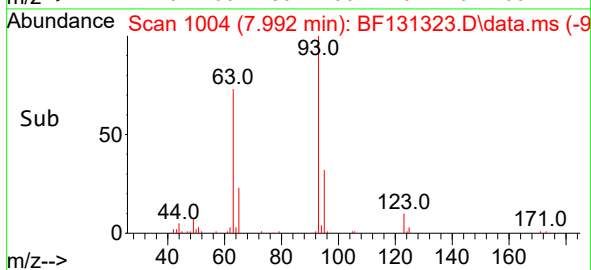
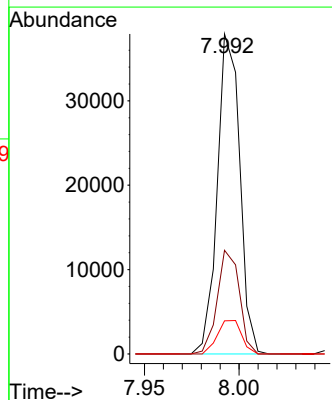
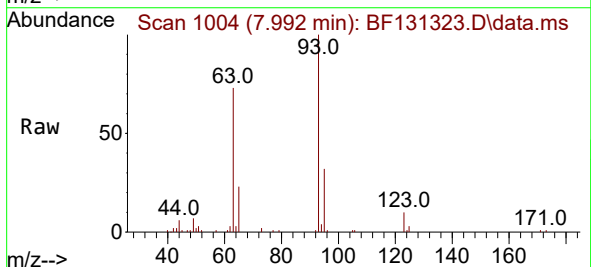
Tgt Ion: 93 Resp: 31265

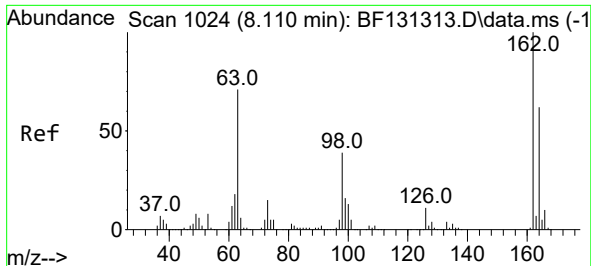
Ion Ratio Lower Upper

93 100

95 32.4 26.4 39.6

123 10.4 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 3.493 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF131323.D

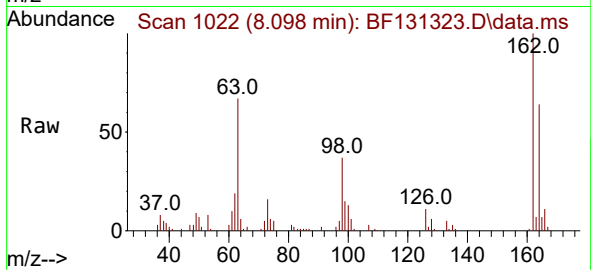
Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



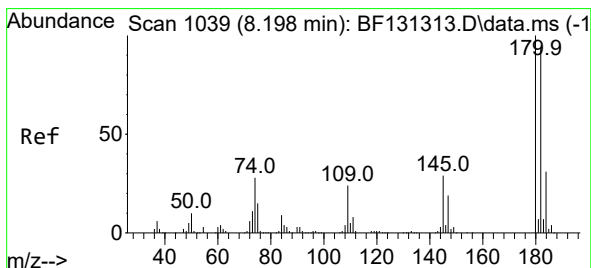
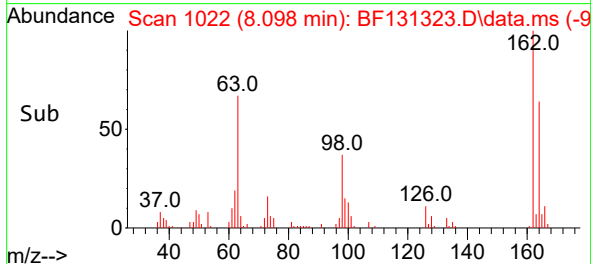
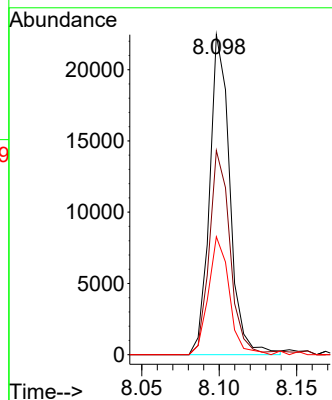
Tgt Ion:162 Resp: 20473

Ion Ratio Lower Upper

162 100

164 63.8 42.2 82.2

98 36.8 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 3.490 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

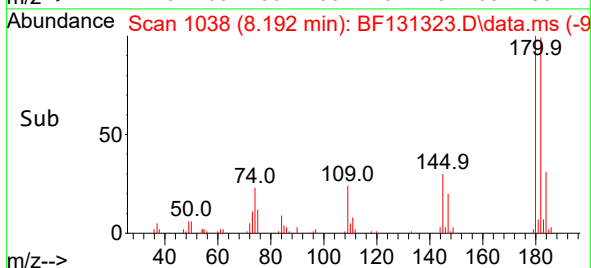
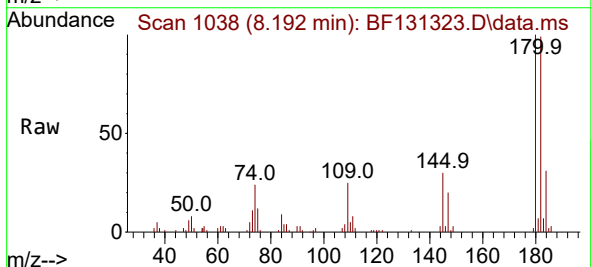
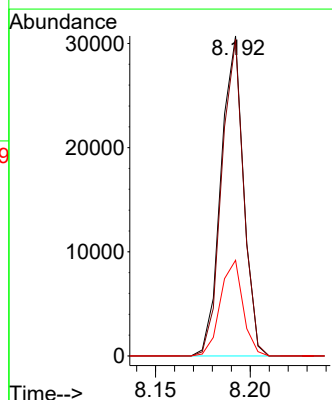
Tgt Ion:180 Resp: 25340

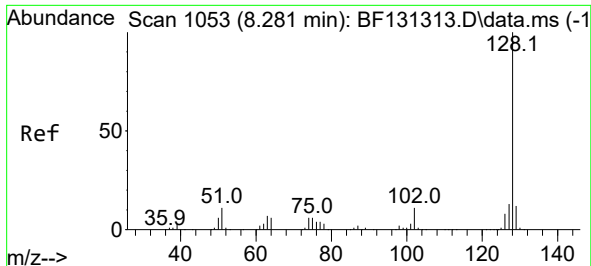
Ion Ratio Lower Upper

180 100

182 98.9 75.3 112.9

145 29.9 23.4 35.0





#31

Naphthalene

Concen: 3.644 ng

RT: 8.275 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

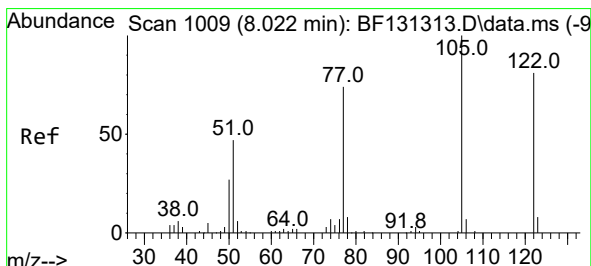
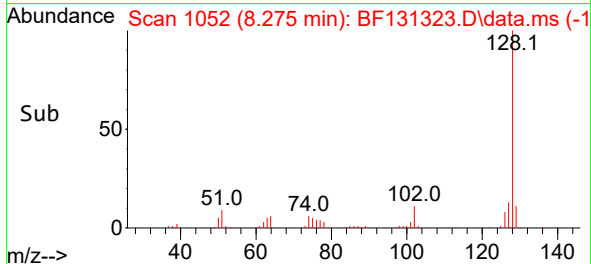
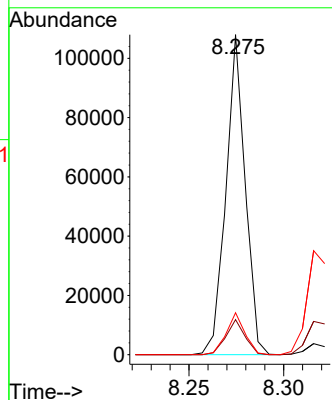
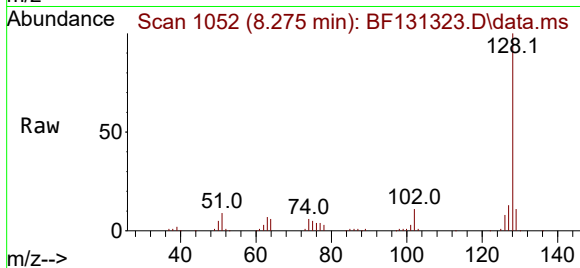
Tgt Ion:128 Resp: 76486

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 1.721 ng

RT: 7.928 min Scan# 993

Delta R.T. -0.094 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

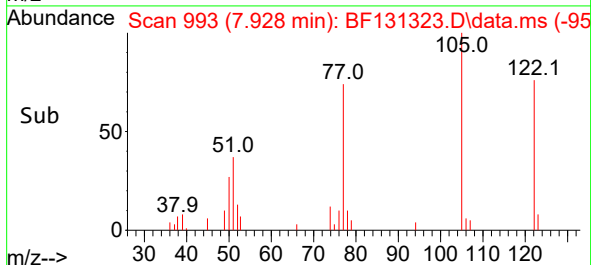
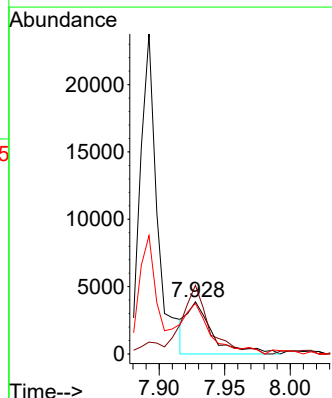
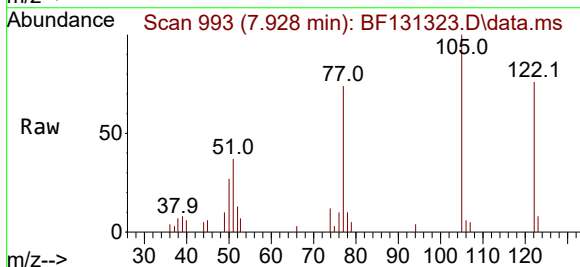
Tgt Ion:122 Resp: 5287

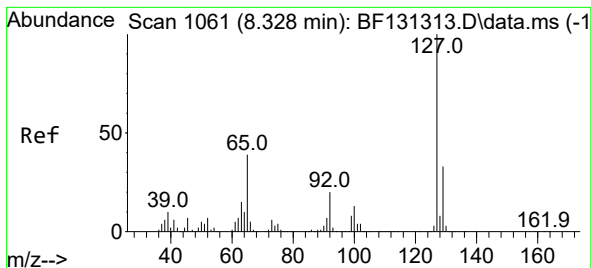
Ion Ratio Lower Upper

122 100

105 131.6 103.8 143.8

77 96.8 74.3 114.3





#33

4-Chloroaniline

Concen: 3.655 ng

RT: 8.316 min Scan# 1059

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:127 Resp: 30259

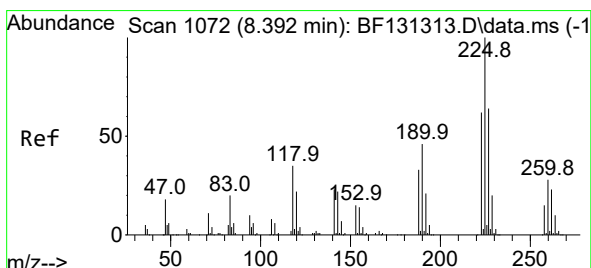
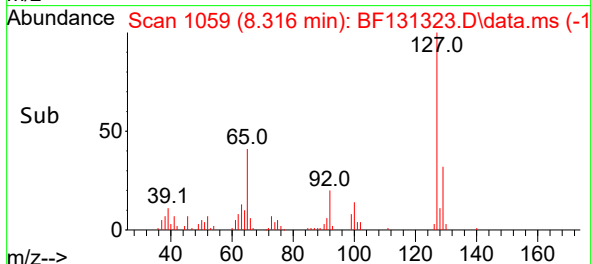
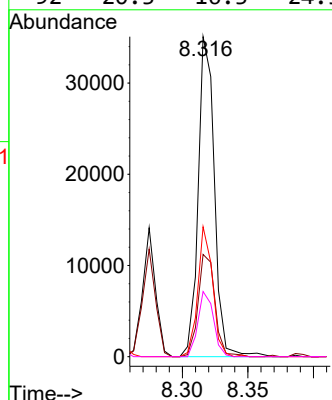
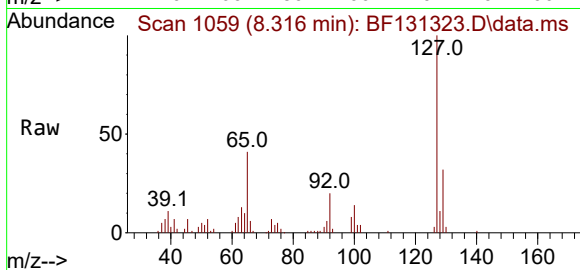
Ion Ratio Lower Upper

127 100

129 31.9 26.4 39.6

65 40.6 31.0 46.6

92 20.3 16.3 24.5



#34

Hexachlorobutadiene

Concen: 3.447 ng

RT: 8.392 min Scan# 1072

Delta R.T. -0.000 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

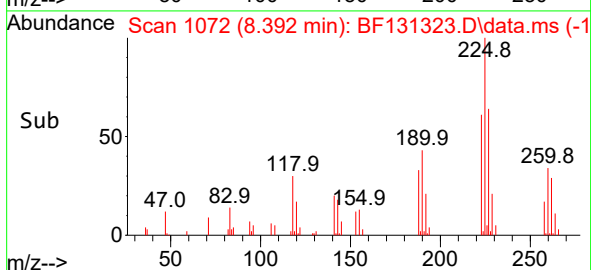
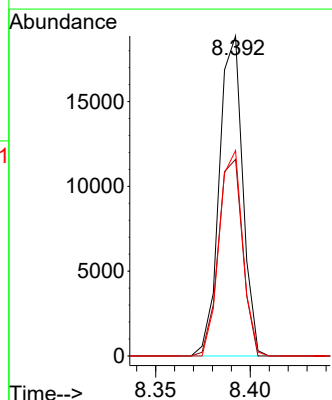
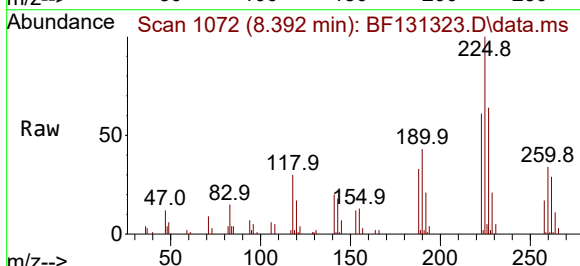
Tgt Ion:225 Resp: 16208

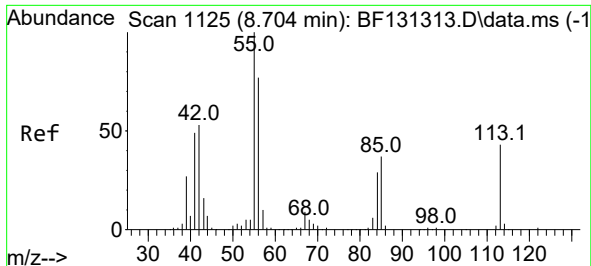
Ion Ratio Lower Upper

225 100

223 61.5 49.4 74.0

227 64.2 51.1 76.7

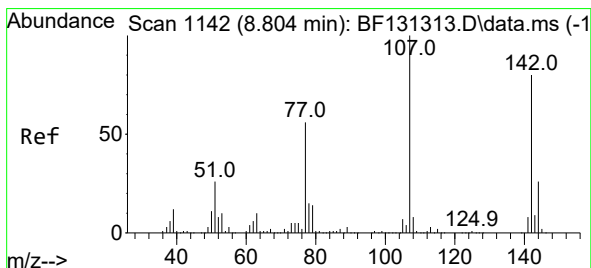
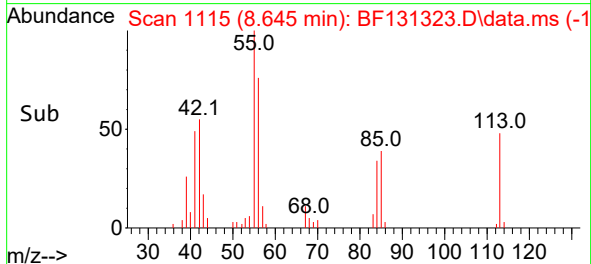
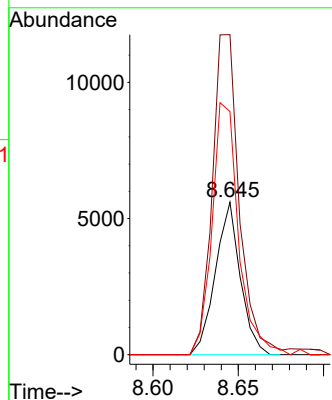
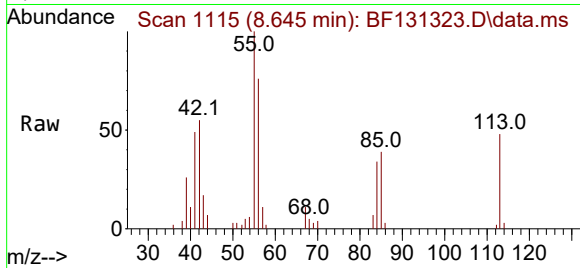




#35
 Caprolactam
 Concen: 3.704 ng
 RT: 8.645 min Scan# 1115
 Delta R.T. -0.059 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

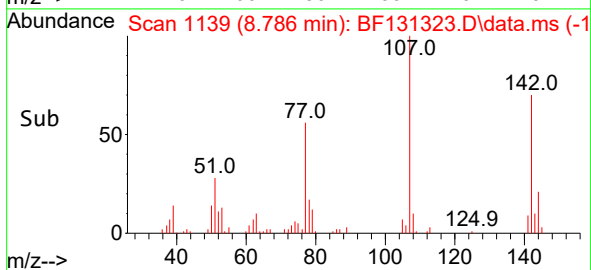
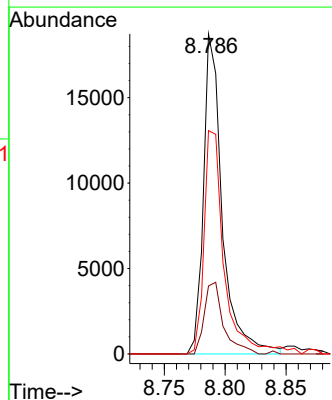
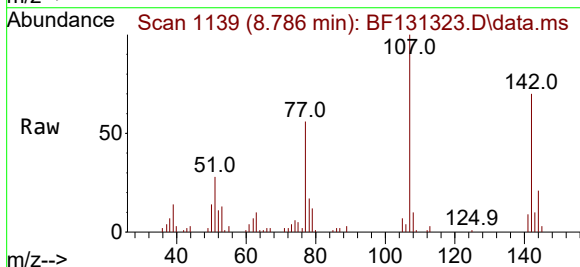
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

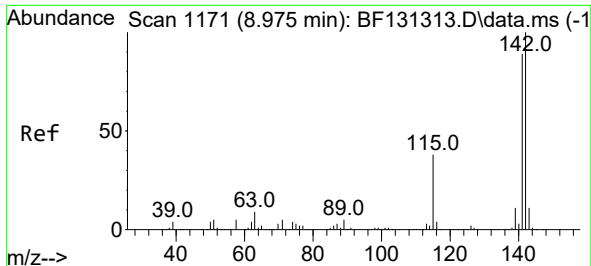
Tgt Ion:113 Resp: 5705
 Ion Ratio Lower Upper
 113 100
 55 209.9 214.5 254.5#
 56 159.4 159.4 199.4



#36
 4-Chloro-3-methylphenol
 Concen: 3.316 ng
 RT: 8.786 min Scan# 1139
 Delta R.T. -0.018 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

Tgt Ion:107 Resp: 20194
 Ion Ratio Lower Upper
 107 100
 144 21.3 20.9 31.3
 142 69.8 63.9 95.9





#37

2-Methylnaphthalene

Concen: 3.613 ng

RT: 8.969 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

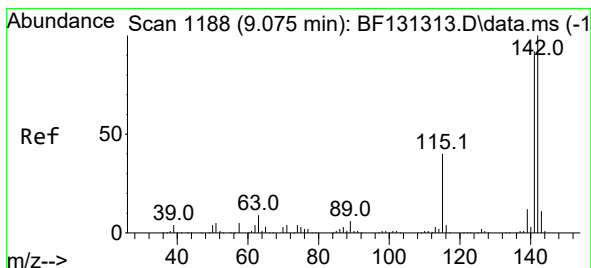
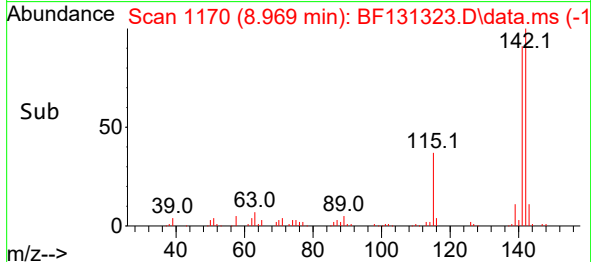
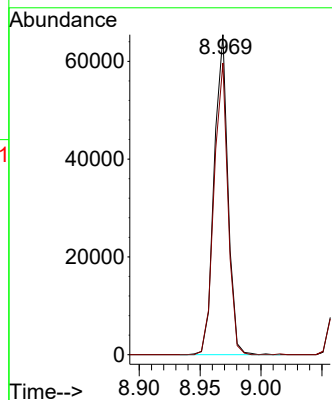
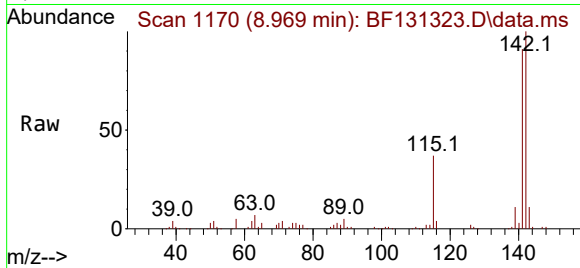
MDL-SOIL-03-QT4-2022

Tgt Ion:142 Resp: 51378

Ion Ratio Lower Upper

142 100

141 91.2 71.0 106.4



#38

1-Methylnaphthalene

Concen: 3.617 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BF131323.D

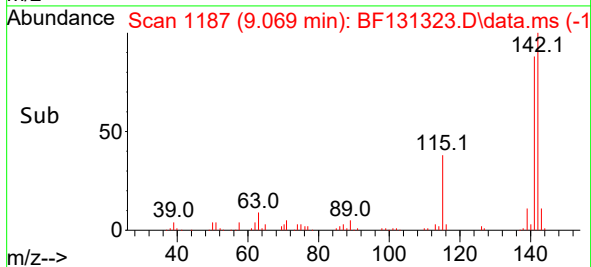
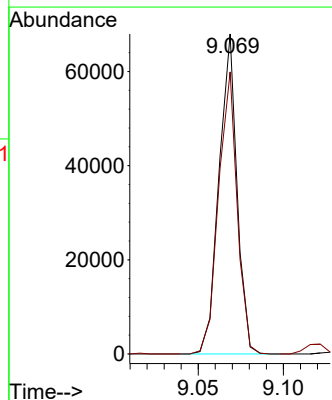
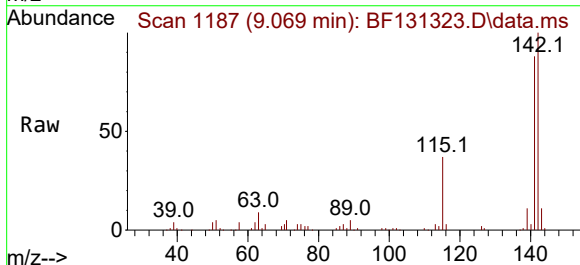
Acq: 22 Nov 2022 10:55

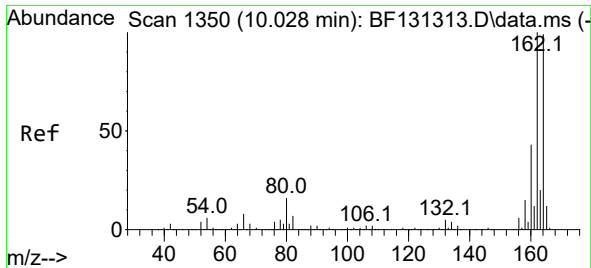
Tgt Ion:142 Resp: 49879

Ion Ratio Lower Upper

142 100

141 88.2 73.4 110.0

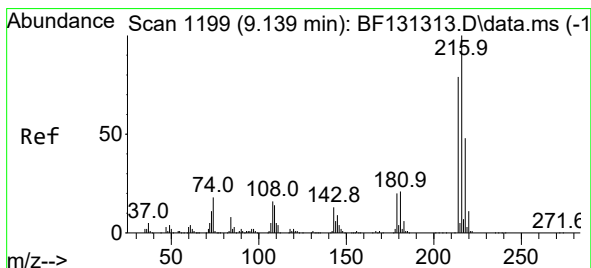
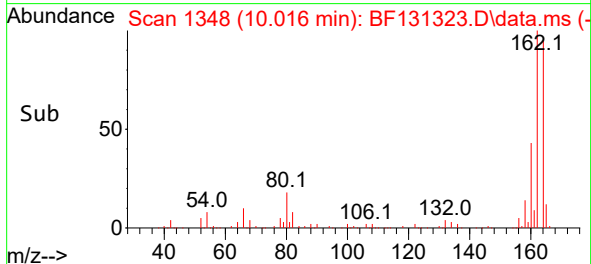
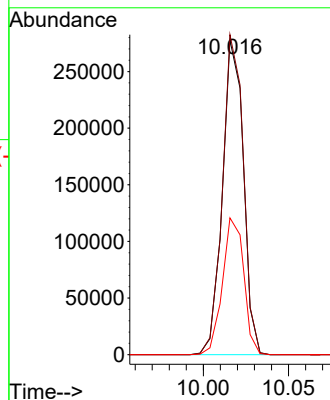
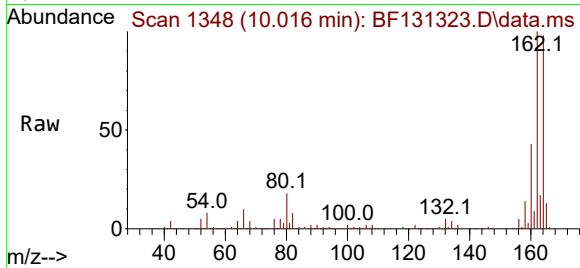




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

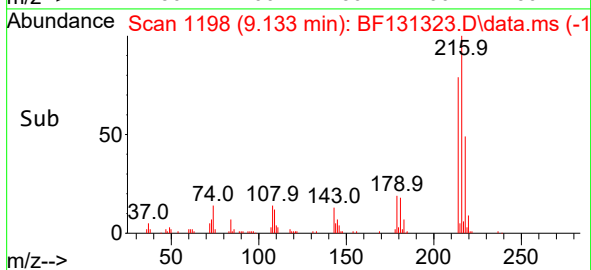
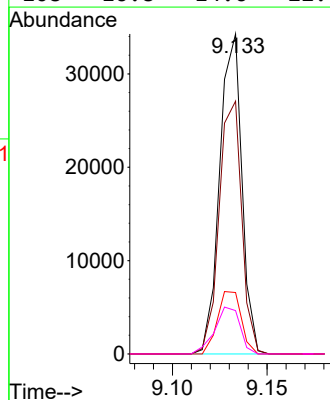
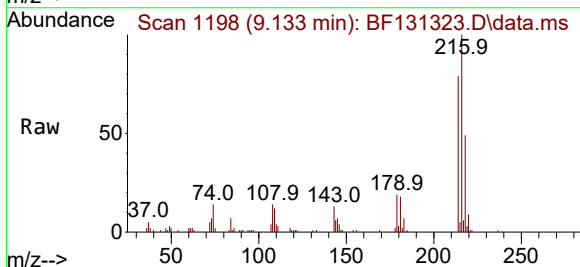
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

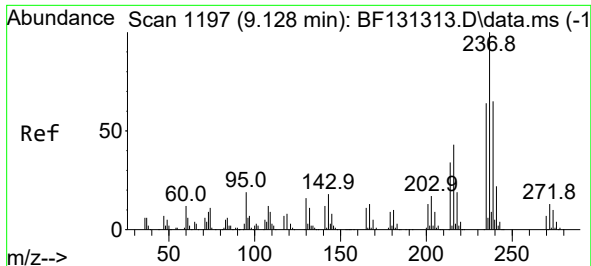
Tgt Ion:164 Resp: 237577
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 43.5 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.620 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:216 Resp: 27907
Ion Ratio Lower Upper
216 100
214 80.7 63.1 94.7
179 21.0 16.2 24.4
108 16.8 14.6 22.0

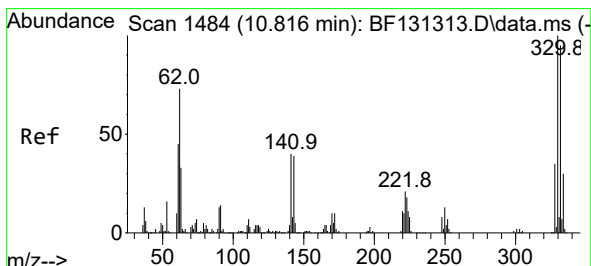
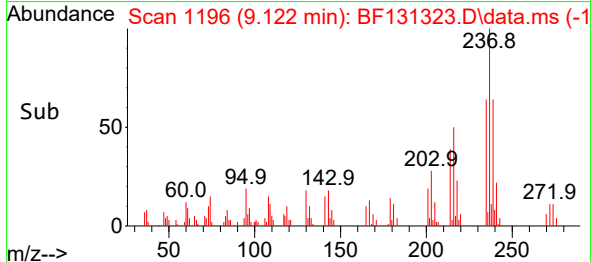
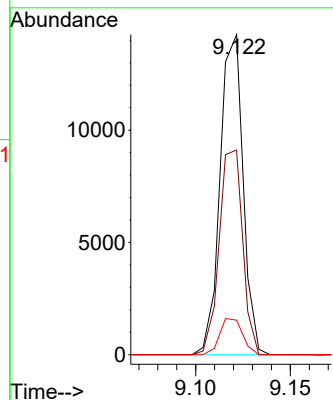
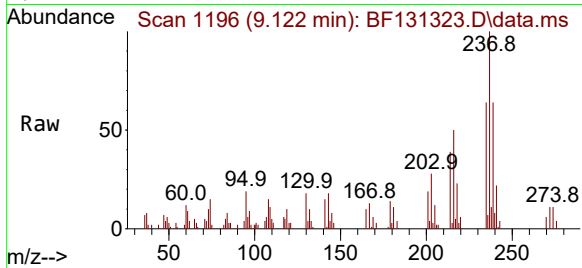




#41
Hexachlorocyclopentadiene
Concen: 3.477 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

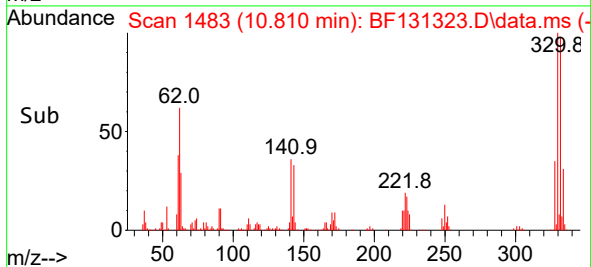
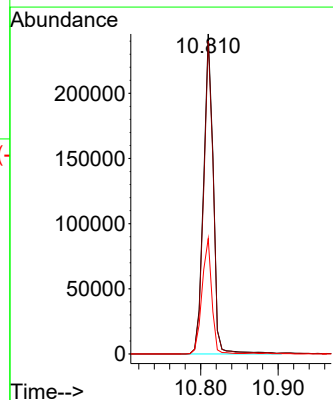
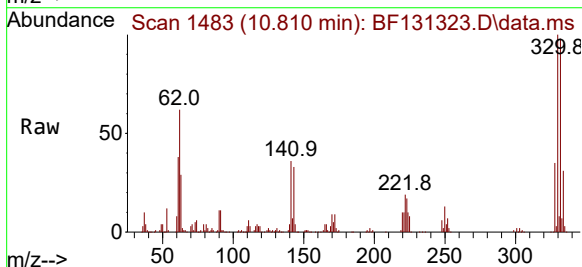
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

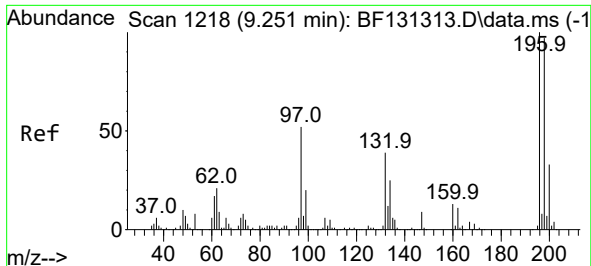
Tgt Ion:237 Resp: 12051
Ion Ratio Lower Upper
237 100
235 63.9 44.2 84.2
272 10.8 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 107.540 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

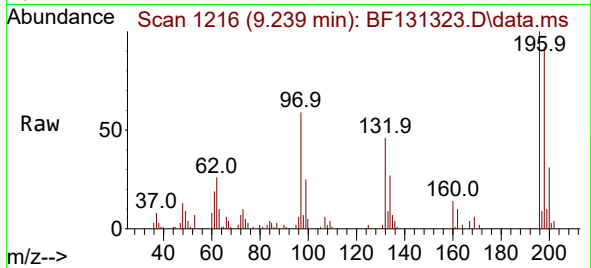
Tgt Ion:330 Resp: 214946
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 35.9 29.3 43.9



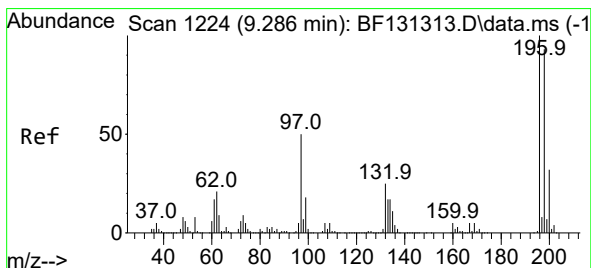
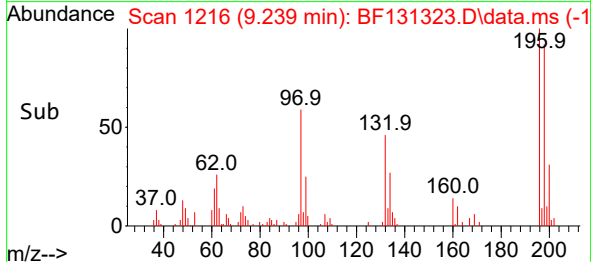
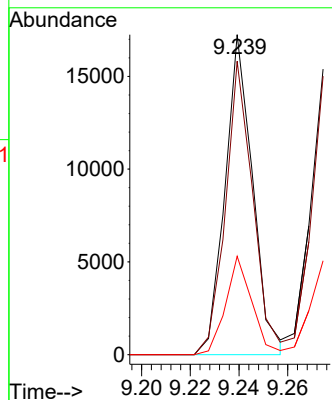


#43
 2,4,6-Trichlorophenol
 Concen: 3.106 ng
 RT: 9.239 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

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

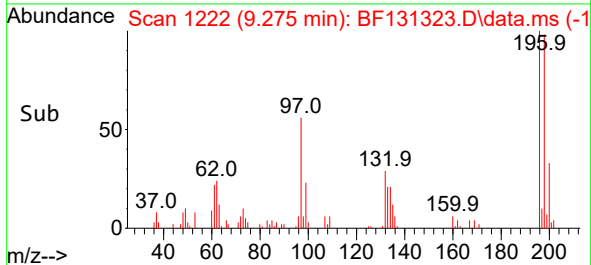
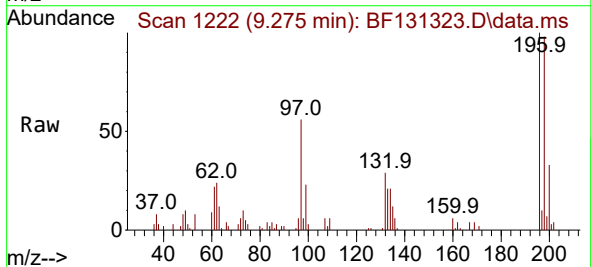
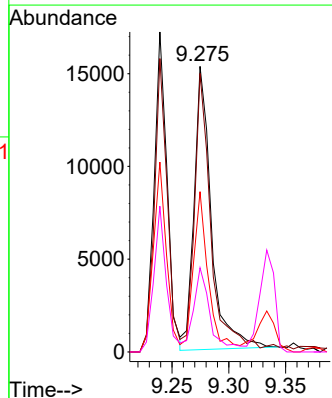


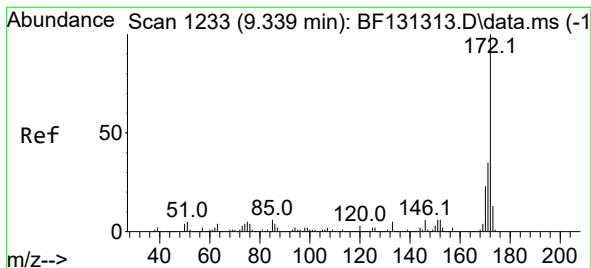
Tgt Ion:196 Resp: 13584
 Ion Ratio Lower Upper
 196 100
 198 91.7 77.4 116.0
 200 30.8 26.3 39.5



#44
 2,4,5-Trichlorophenol
 Concen: 3.275 ng
 RT: 9.275 min Scan# 1222
 Delta R.T. -0.012 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

Tgt Ion:196 Resp: 16109
 Ion Ratio Lower Upper
 196 100
 198 97.5 75.0 112.4
 97 56.1 40.3 60.5
 132 29.5 20.3 30.5





#45

2-Fluorobiphenyl

Concen: 63.140 ng

RT: 9.333 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

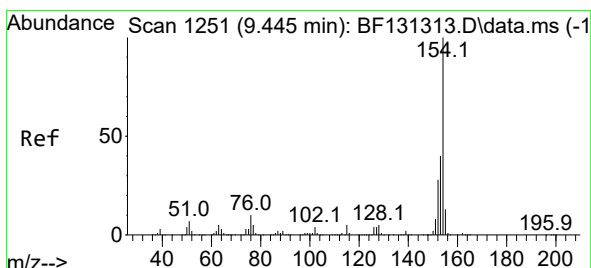
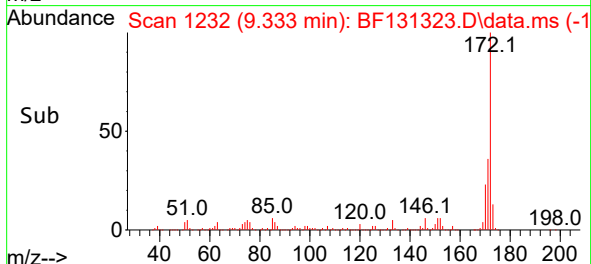
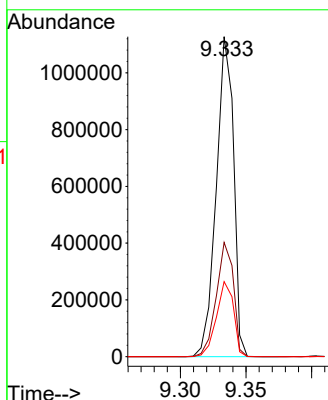
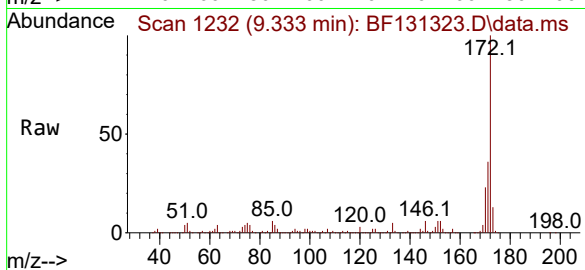
Tgt Ion:172 Resp: 1031102

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 3.862 ng

RT: 9.433 min Scan# 1249

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

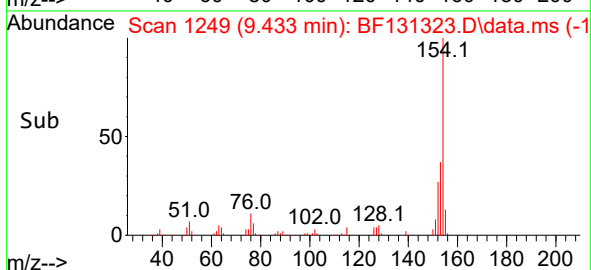
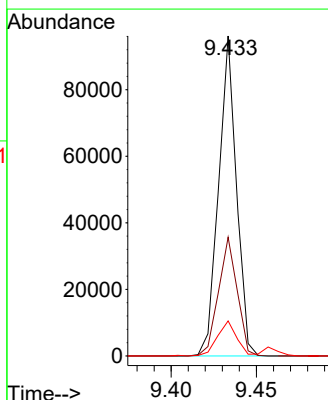
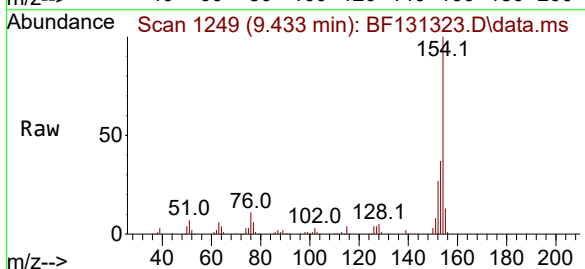
Tgt Ion:154 Resp: 70021

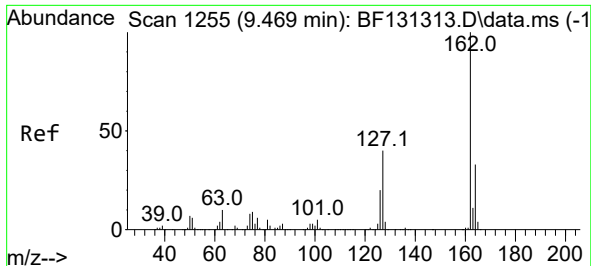
Ion Ratio Lower Upper

154 100

153 37.1 19.8 59.8

76 10.9 0.0 30.2





#47

2-Chloronaphthalene

Concen: 3.581 ng

RT: 9.457 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

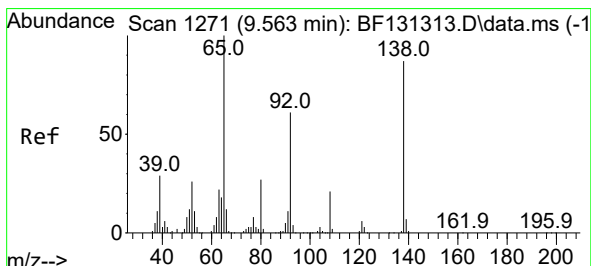
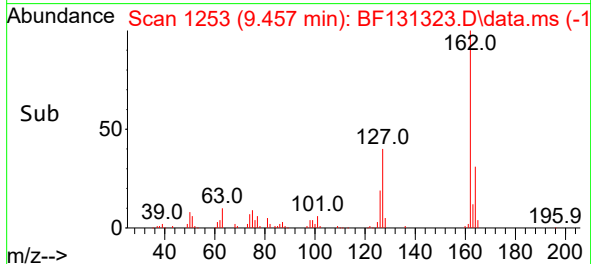
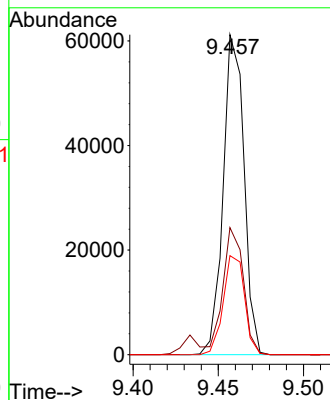
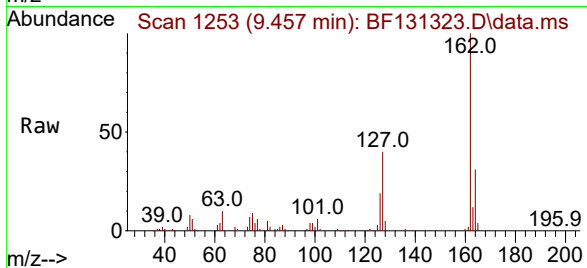
Tgt Ion:162 Resp: 52087

Ion Ratio Lower Upper

162 100

127 39.7 32.1 48.1

164 30.9 26.6 39.8



#48

2-Nitroaniline

Concen: 3.060 ng

RT: 9.551 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

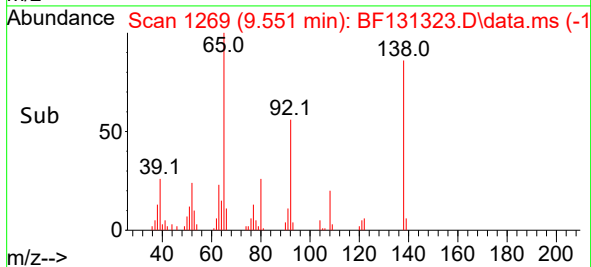
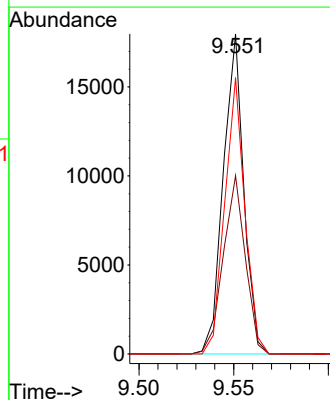
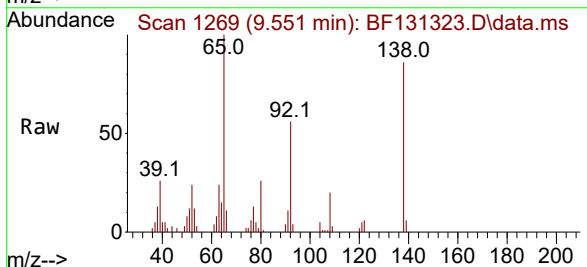
Tgt Ion: 65 Resp: 13514

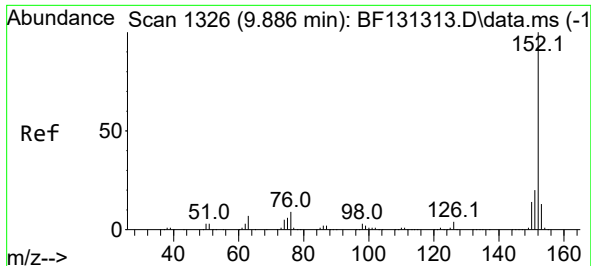
Ion Ratio Lower Upper

65 100

92 55.7 49.0 73.4

138 86.3 69.4 104.2





#49

Acenaphthylene

Concen: 3.578 ng

RT: 9.874 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

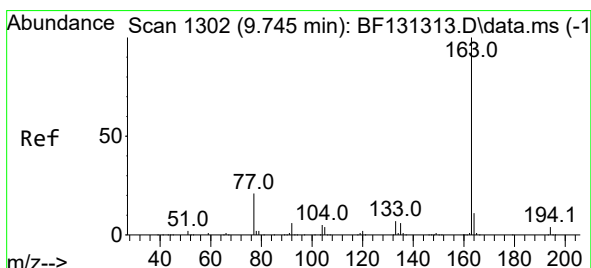
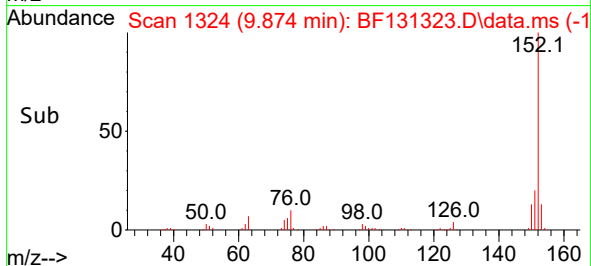
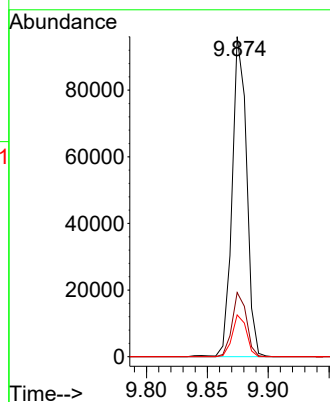
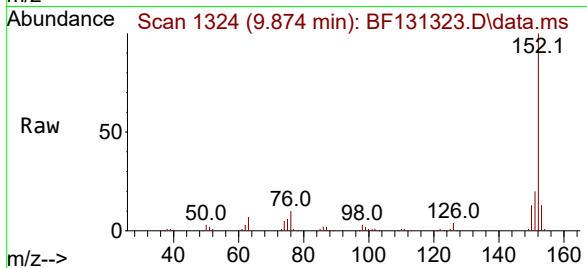
Tgt Ion:152 Resp: 79325

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 13.0 10.6 15.8



#50

Dimethylphthalate

Concen: 3.666 ng

RT: 9.727 min Scan# 1299

Delta R.T. -0.018 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

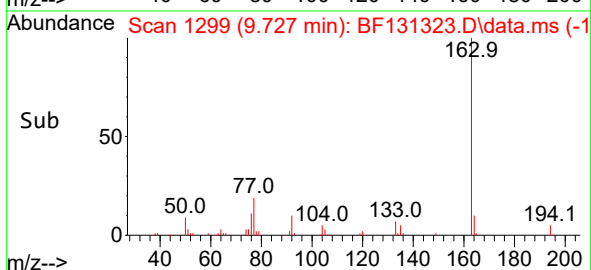
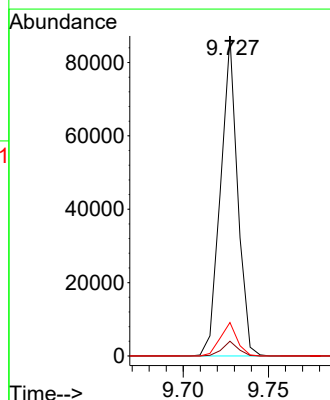
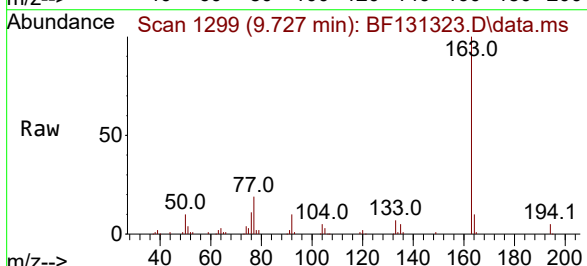
Tgt Ion:163 Resp: 60690

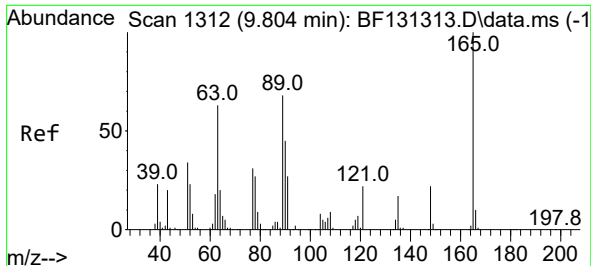
Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

164 10.5 8.5 12.7

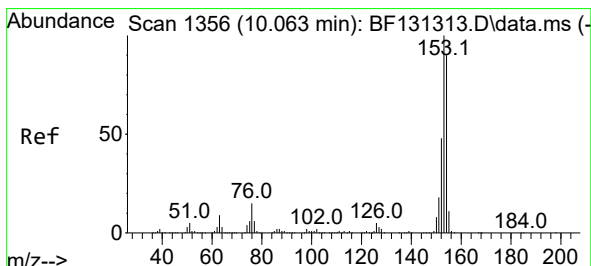
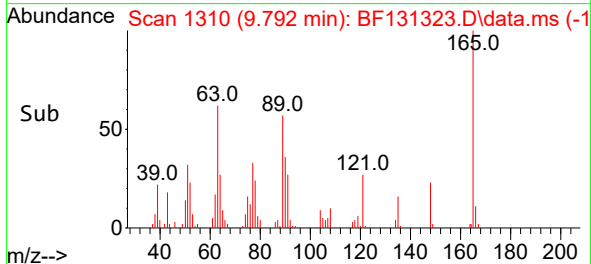
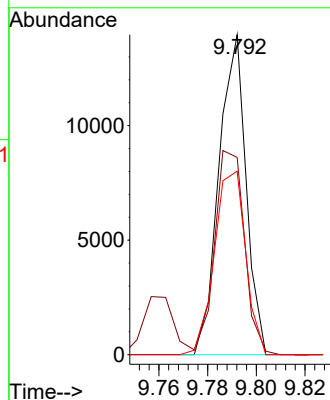
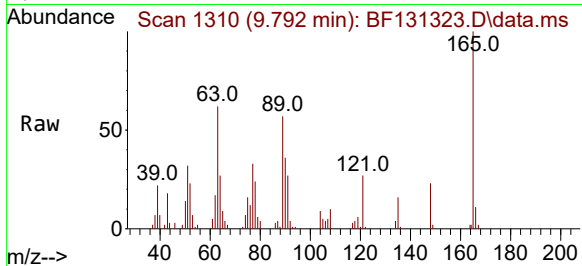




#51
2,6-Dinitrotoluene
Concen: 3.260 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

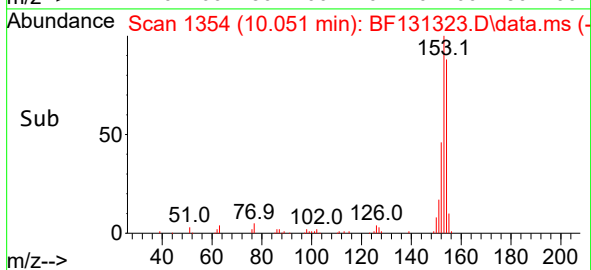
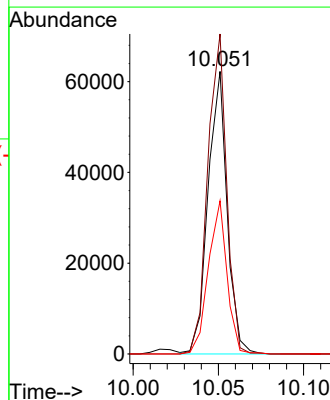
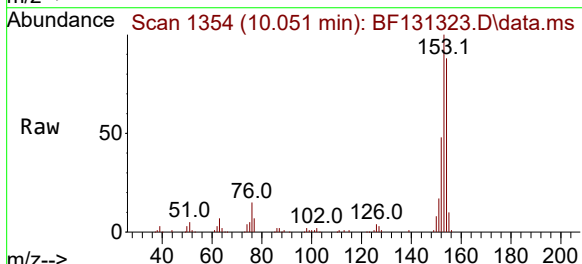
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

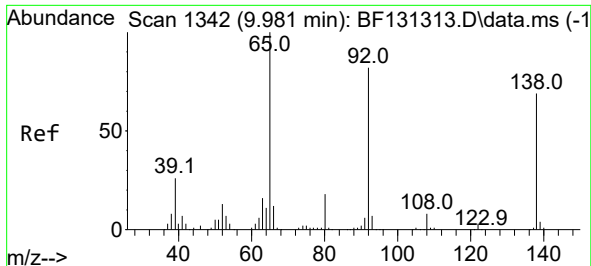
Tgt Ion:165 Resp: 10792
Ion Ratio Lower Upper
165 100
63 61.6 62.0 93.0#
89 57.3 54.4 81.6



#52
Acenaphthene
Concen: 3.488 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:154 Resp: 48422
Ion Ratio Lower Upper
154 100
153 113.2 88.4 132.6
152 54.2 42.8 64.2

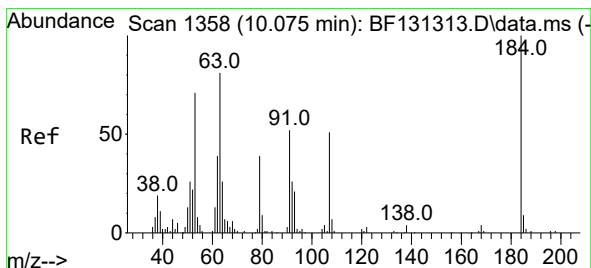
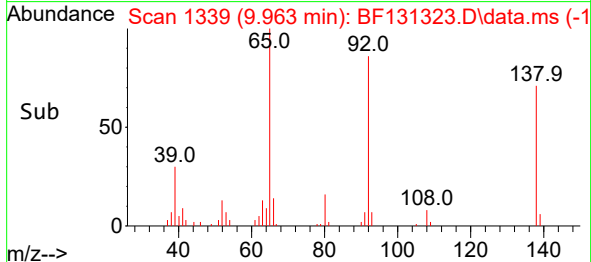
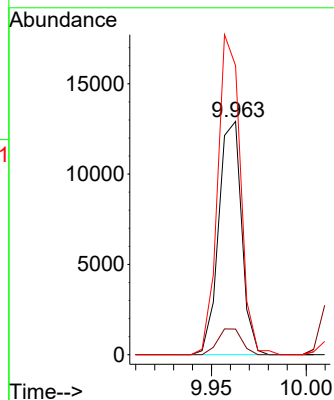
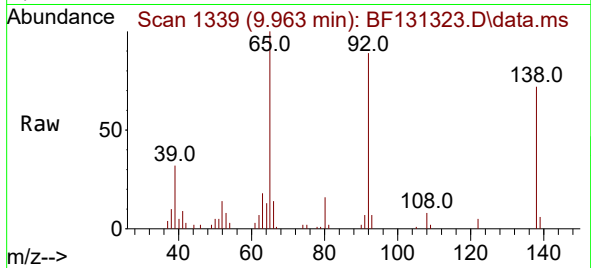




#53
3-Nitroaniline
Concen: 3.206 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

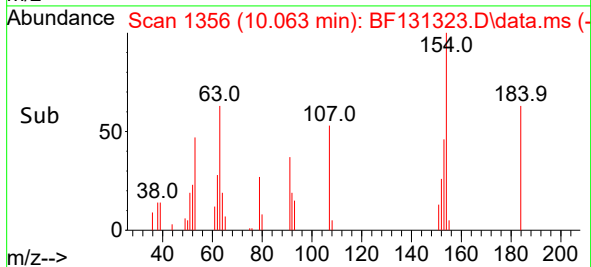
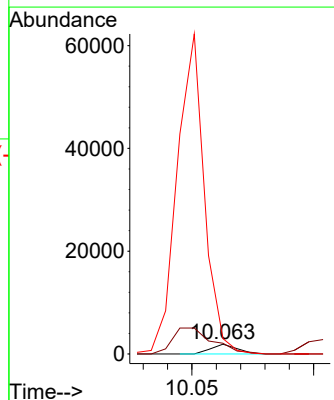
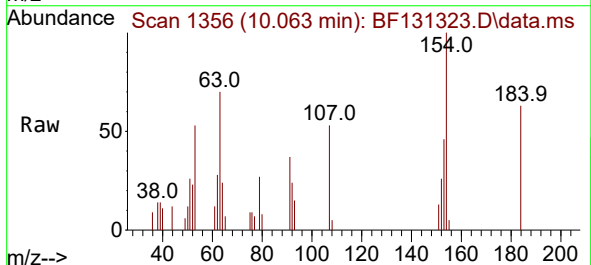
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

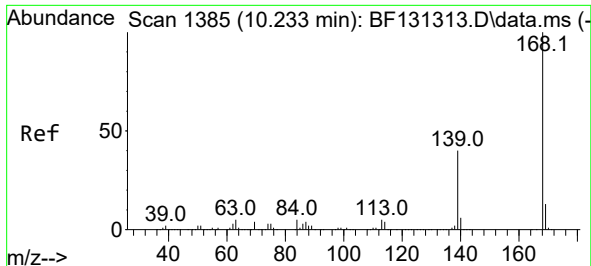
Tgt Ion:138 Resp: 10904
Ion Ratio Lower Upper
138 100
108 11.0 8.9 13.3
92 124.0 95.3 142.9



#54
2,4-Dinitrophenol
Concen: 1.267 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:184 Resp: 1409
Ion Ratio Lower Upper
184 100
63 110.6 72.1 108.1#
154 158.3 56.3 84.5#

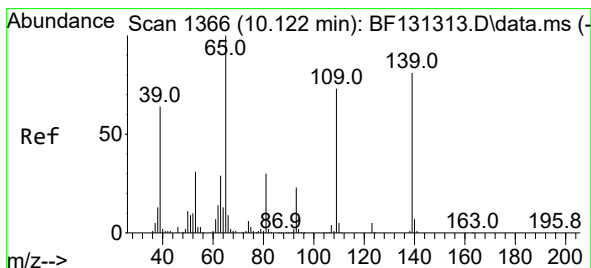
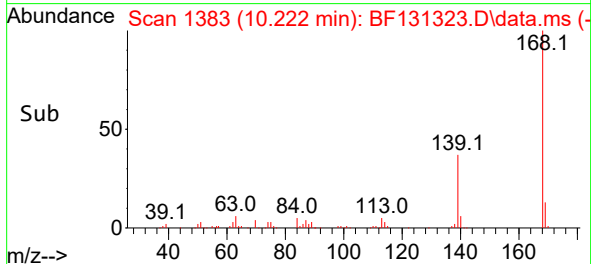
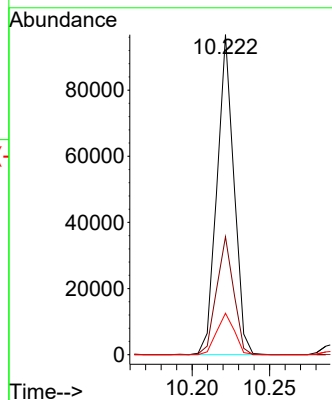
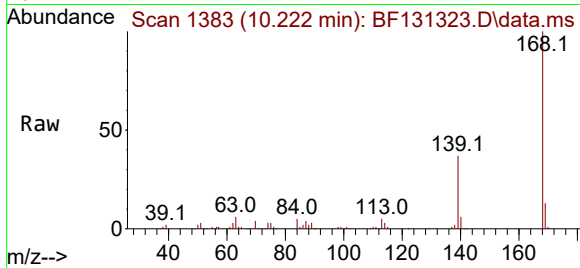




#55
Dibenzenofuran
Concen: 3.677 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

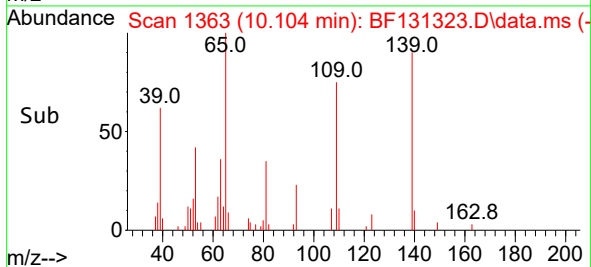
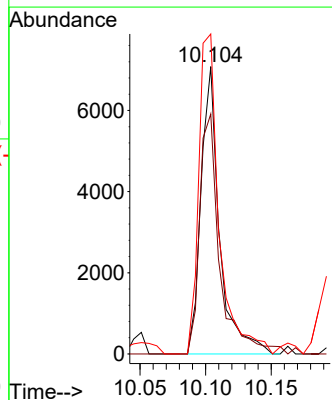
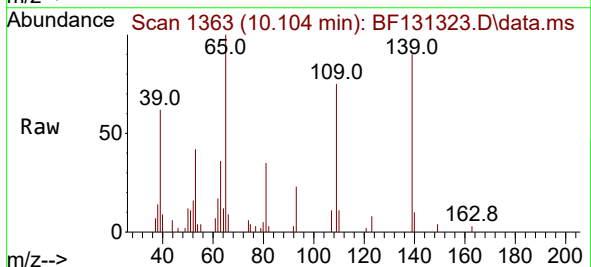
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

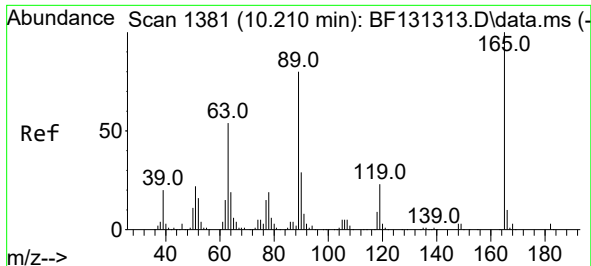
Tgt Ion:168 Resp: 73442
Ion Ratio Lower Upper
168 100
139 36.8 31.7 47.5
169 13.0 10.6 15.8



#56
4-Nitrophenol
Concen: 2.958 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:139 Resp: 6984
Ion Ratio Lower Upper
139 100
109 83.5 69.6 109.6
65 111.3 103.4 143.4

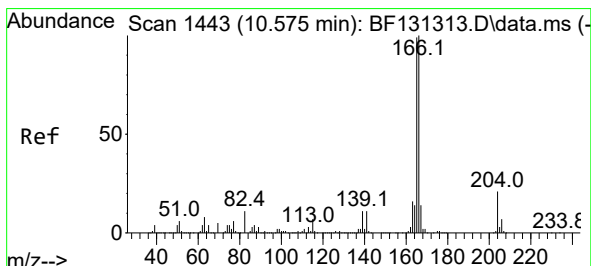
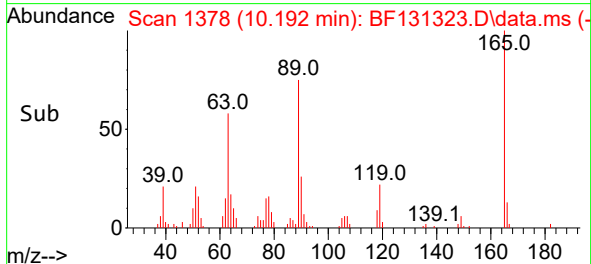
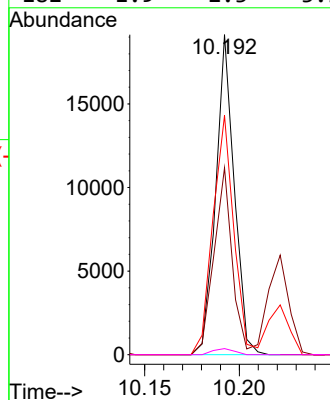
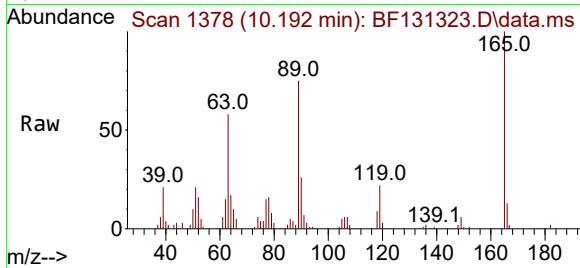




#57
2,4-Dinitrotoluene
Concen: 3.138 ng
RT: 10.192 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

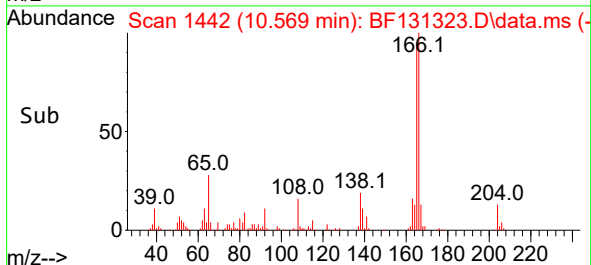
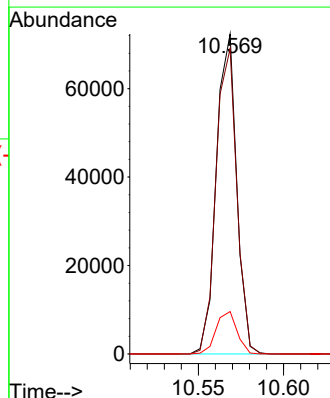
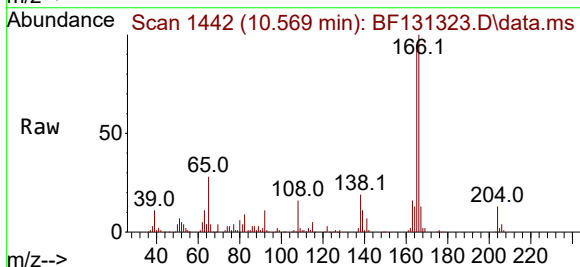
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

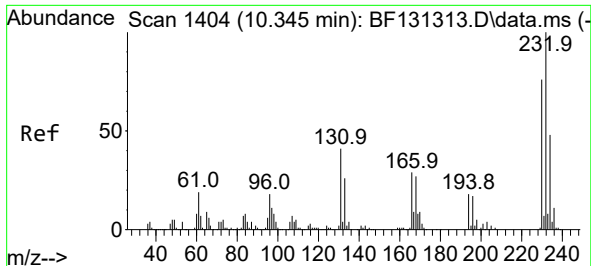
Tgt Ion:165 Resp: 13072
Ion Ratio Lower Upper
165 100
63 58.4 43.4 65.2
89 74.8 64.0 96.0
182 1.9 2.3 3.5#



#58
Fluorene
Concen: 3.848 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:166 Resp: 59980
Ion Ratio Lower Upper
166 100
165 95.4 79.0 118.4
167 13.3 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.327 ng

RT: 10.333 min Scan# 1402

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:232 Resp: 13625

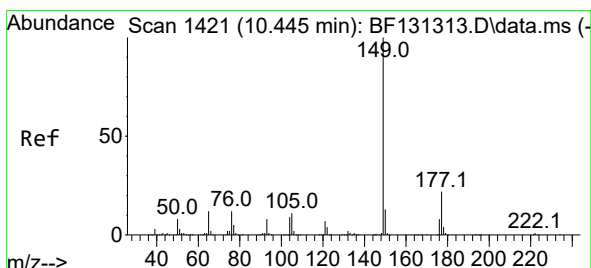
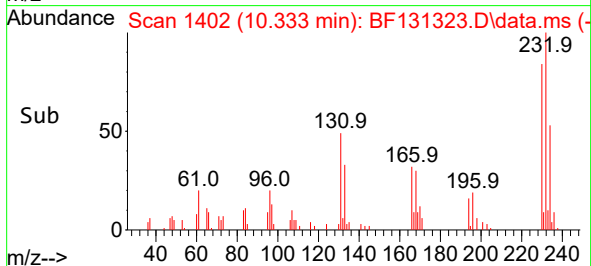
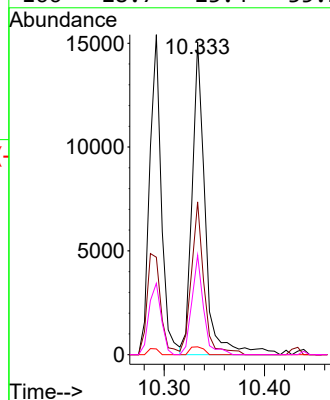
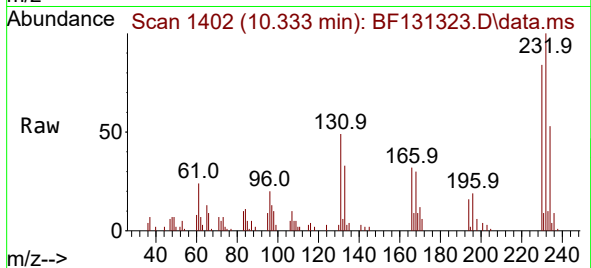
Ion Ratio Lower Upper

232 100

131 46.6 35.2 52.8

130 2.6 1.8 2.8

166 28.7 23.4 35.2



#60

Diethylphthalate

Concen: 3.752 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

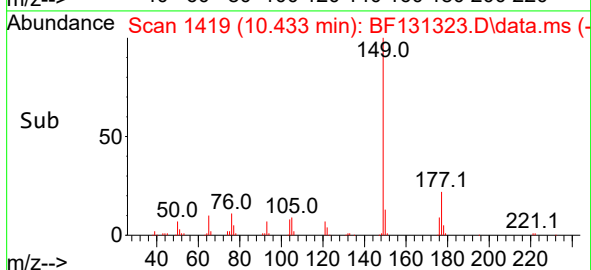
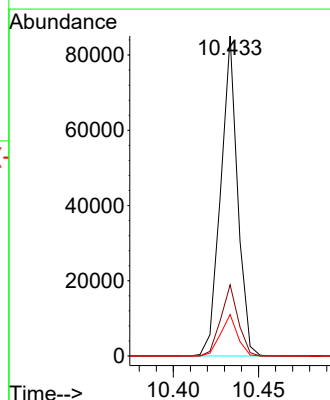
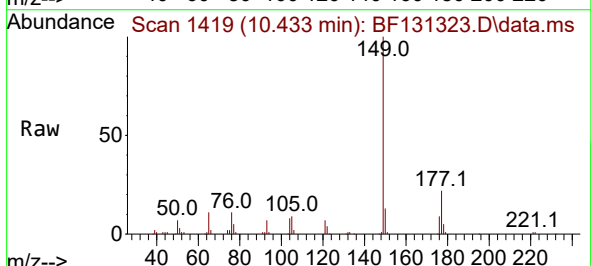
Tgt Ion:149 Resp: 58642

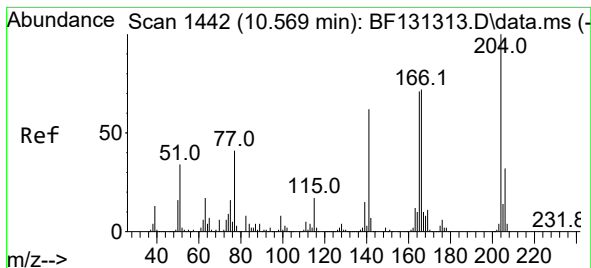
Ion Ratio Lower Upper

149 100

177 22.2 17.6 26.4

150 12.9 10.2 15.4

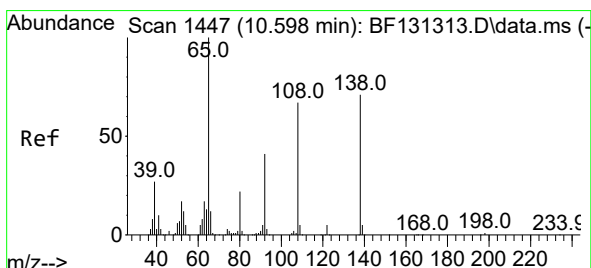
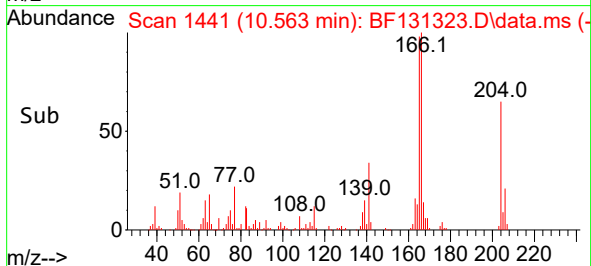
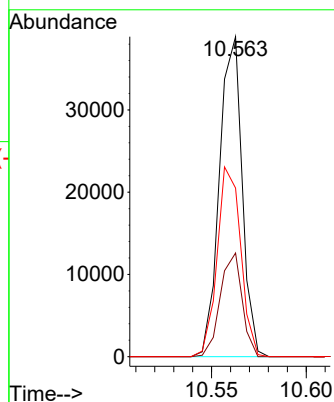
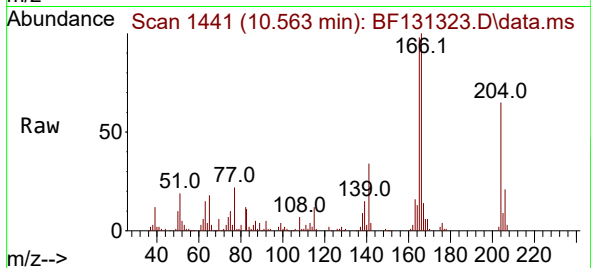




#61
4-Chlorophenyl-phenylether
Concen: 4.058 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

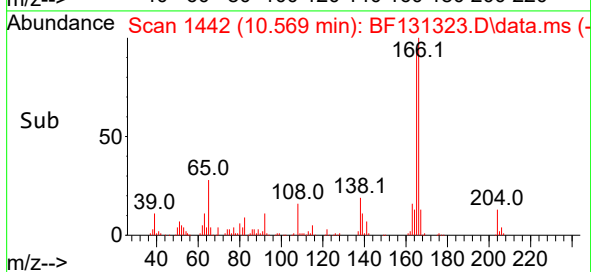
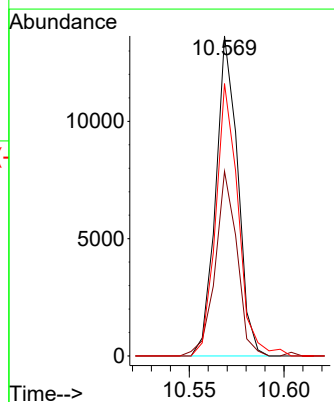
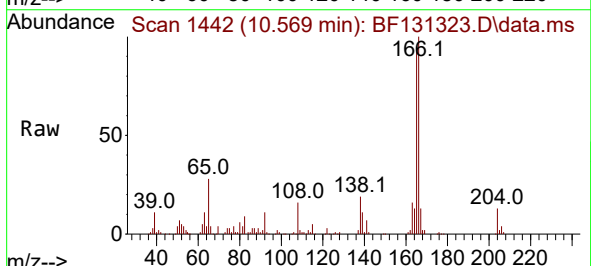
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

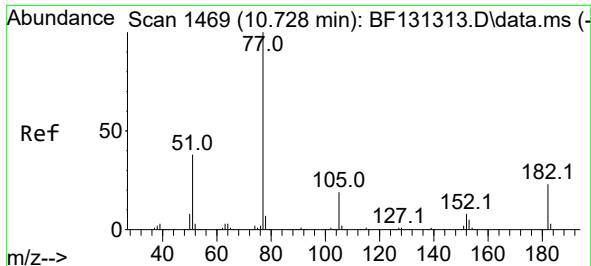
Tgt Ion:204 Resp: 32428
Ion Ratio Lower Upper
204 100
206 32.4 25.7 38.5
141 52.7 49.2 73.8



#62
4-Nitroaniline
Concen: 3.262 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.030 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:138 Resp: 11044
Ion Ratio Lower Upper
138 100
92 57.7 37.0 77.0
108 85.1 74.0 114.0

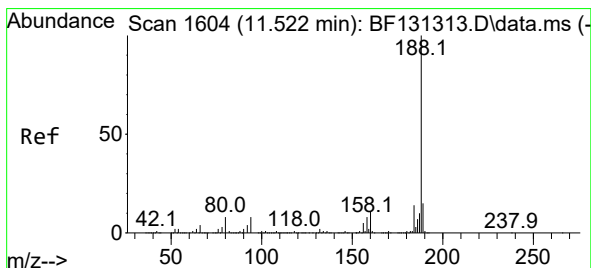
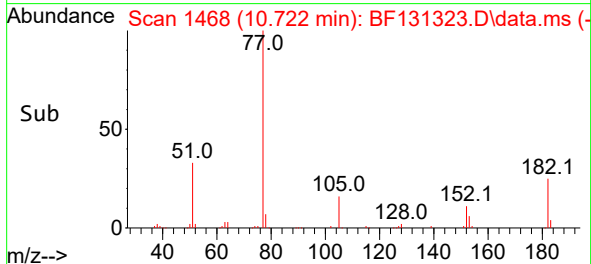
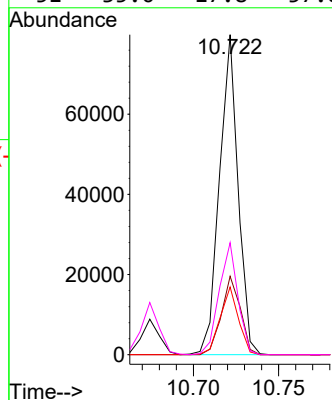
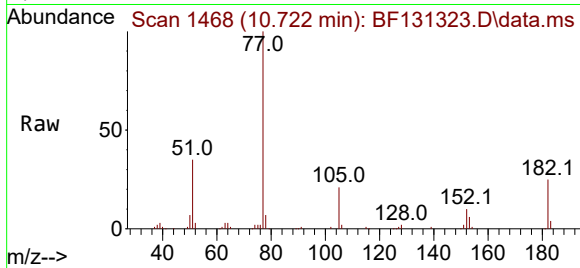




#63
Azobenzene
Concen: 3.612 ng
RT: 10.722 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

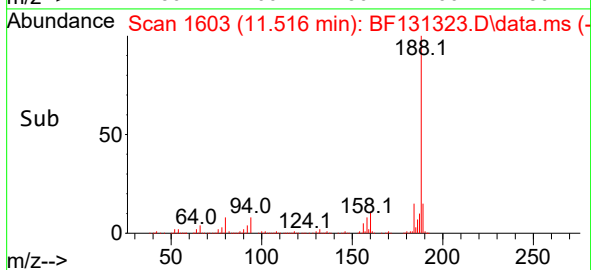
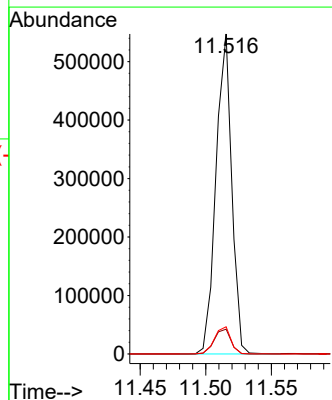
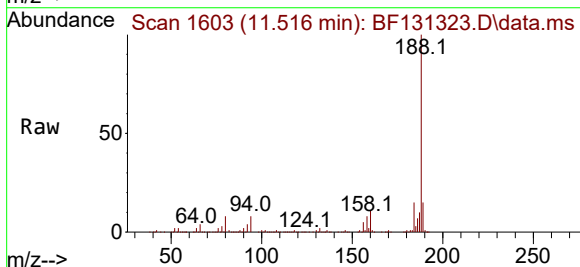
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

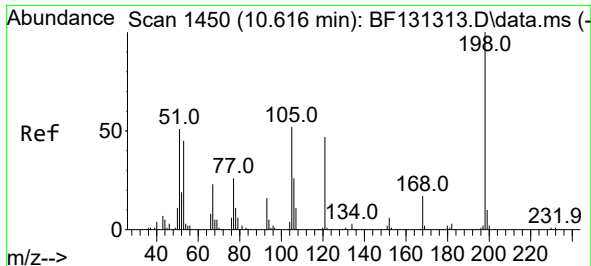
Tgt Ion: 77	Resp: 60699
Ion Ratio	Lower Upper
77 100	
182 24.5	3.1 43.1
105 21.1	0.0 39.2
51 35.0	17.8 57.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:188	Resp: 456610
Ion Ratio	Lower Upper
188 100	
94 7.7	6.3 9.5
80 8.5	6.8 10.2

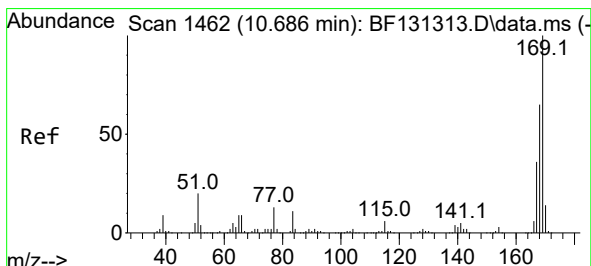
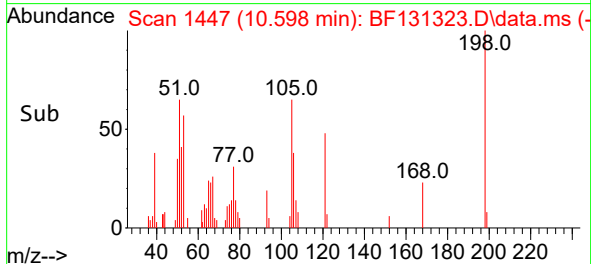
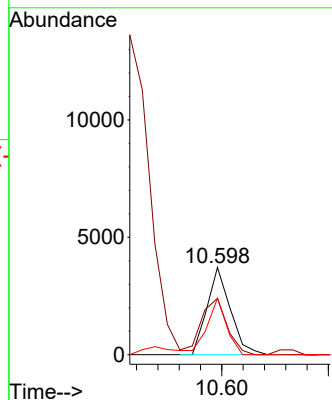
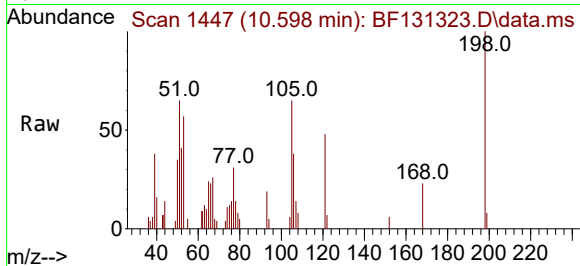




#65
4,6-Dinitro-2-methylphenol
Concen: 1.569 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

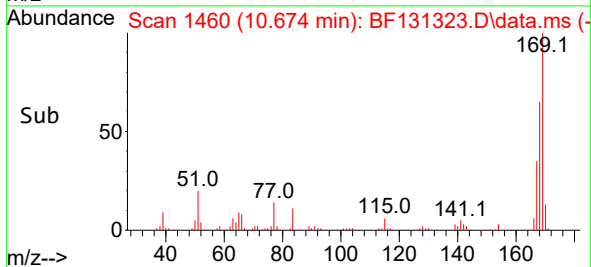
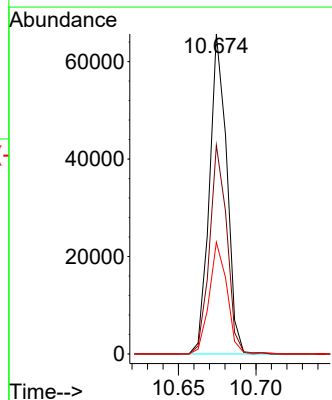
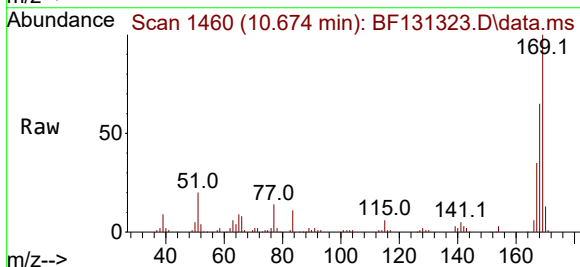
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

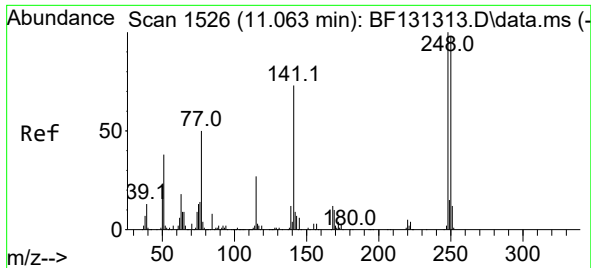
Tgt Ion:198 Resp: 2819
Ion Ratio Lower Upper
198 100
51 64.6 50.1 90.1
105 64.7 32.5 72.5



#66
n-Nitrosodiphenylamine
Concen: 3.506 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:169 Resp: 51004
Ion Ratio Lower Upper
169 100
168 65.3 52.4 78.6
167 34.9 29.2 43.8

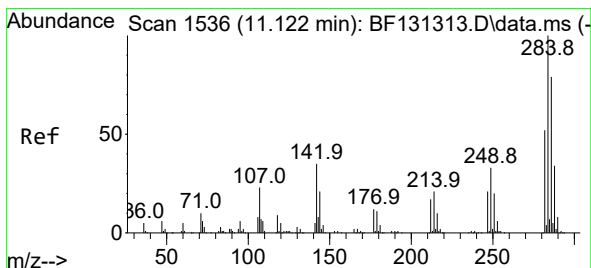
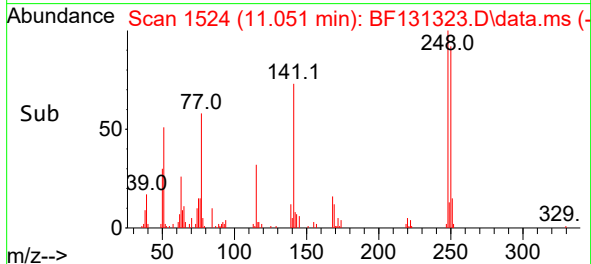
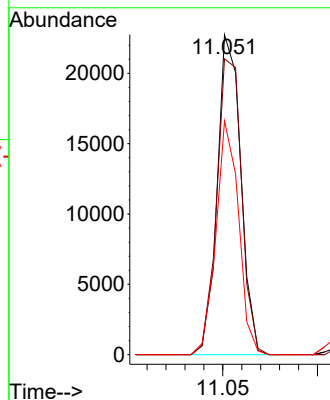
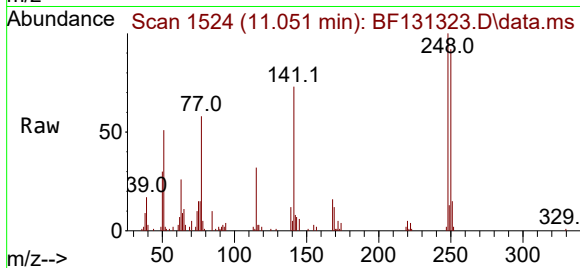




#67
4-Bromophenyl-phenylether
Concen: 3.501 ng
RT: 11.051 min Scan# 1524
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

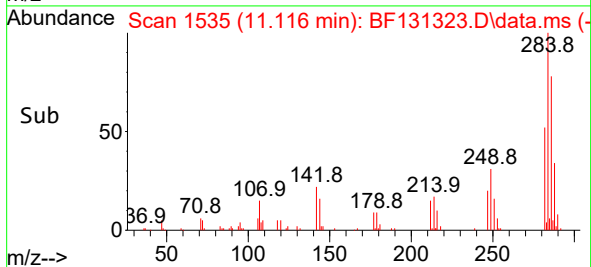
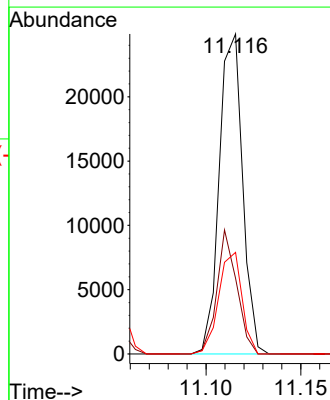
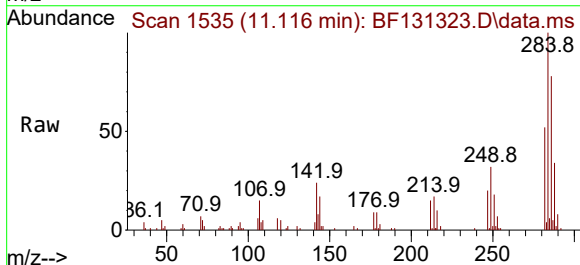
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

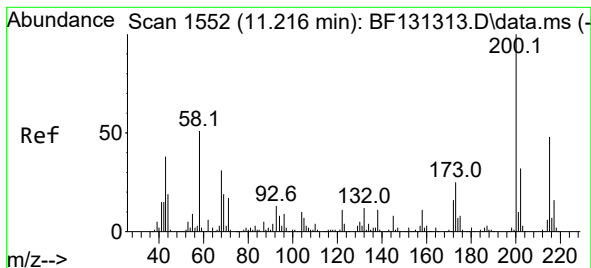
Tgt Ion:	248	Resp:	19591
Ion Ratio	Lower	Upper	
248	100		
250	92.5	78.3	117.5
141	73.1	58.0	87.0



#68
Hexachlorobenzene
Concen: 3.591 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:	284	Resp:	21328
Ion Ratio	Lower	Upper	
284	100		
142	23.7	28.4	42.6#
249	31.7	26.5	39.7





#69

Atrazine

Concen: 3.897 ng

RT: 11.198 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

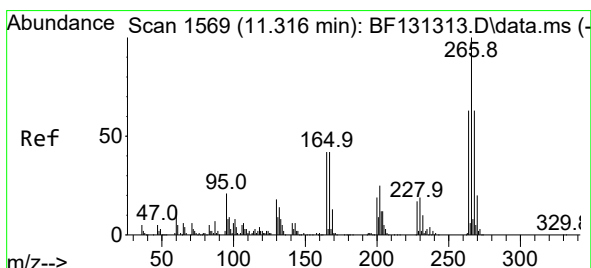
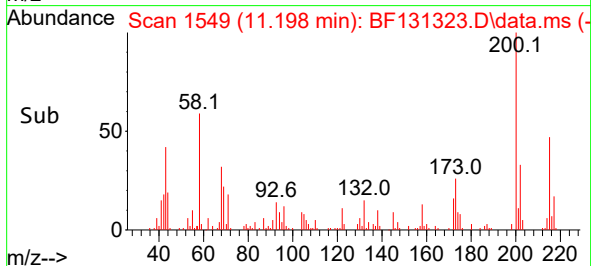
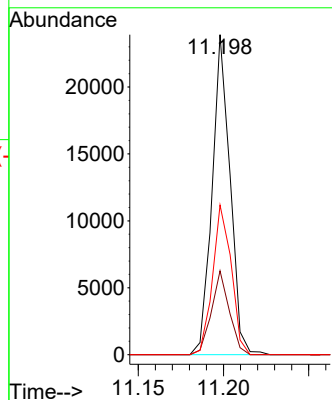
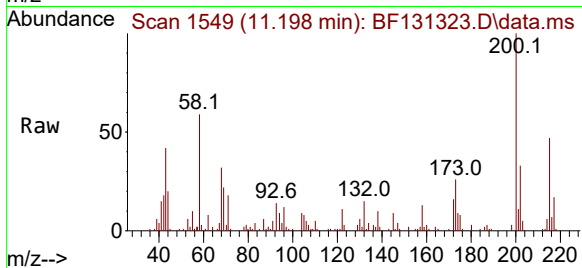
Tgt Ion:200 Resp: 17459

Ion Ratio Lower Upper

200 100

173 26.2 5.2 45.2

215 46.7 28.3 68.3



#70

Pentachlorophenol

Concen: 2.401 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

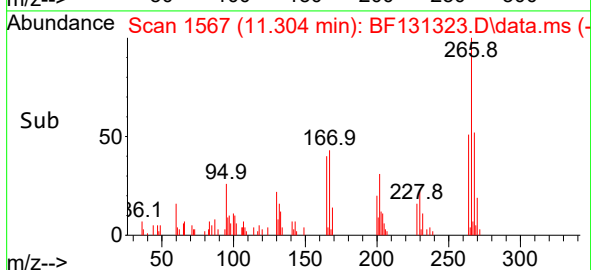
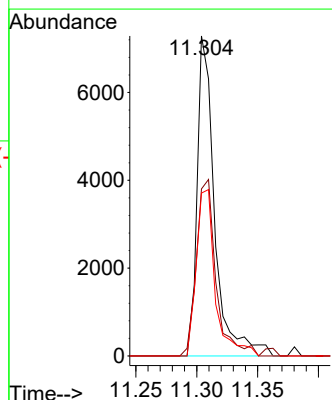
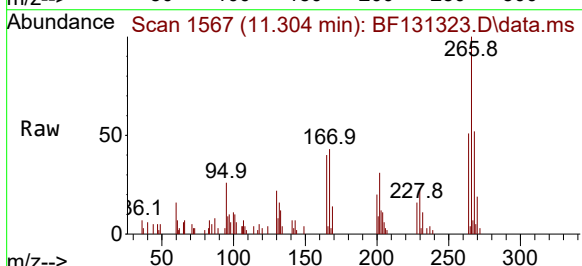
Tgt Ion:266 Resp: 7317

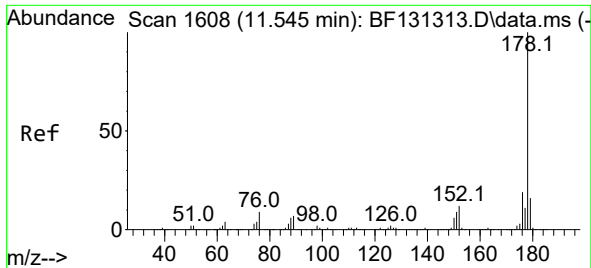
Ion Ratio Lower Upper

266 100

268 52.2 50.6 75.8

264 50.9 50.4 75.6

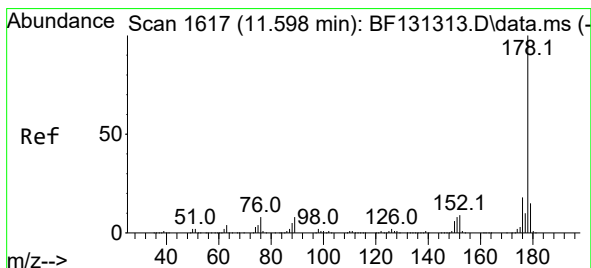
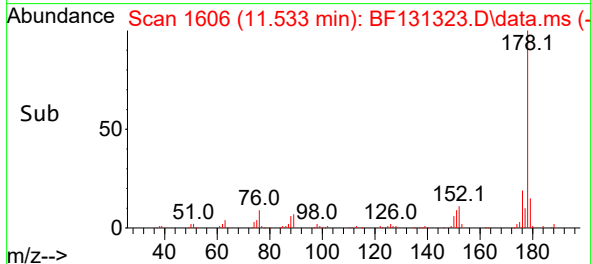
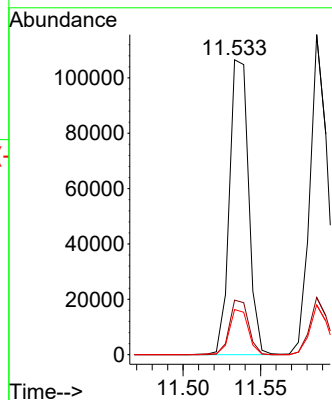
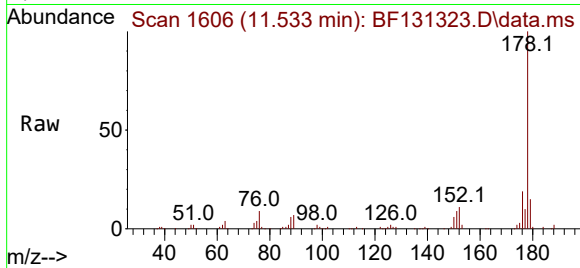




#71
Phenanthrene
Concen: 3.715 ng
RT: 11.533 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

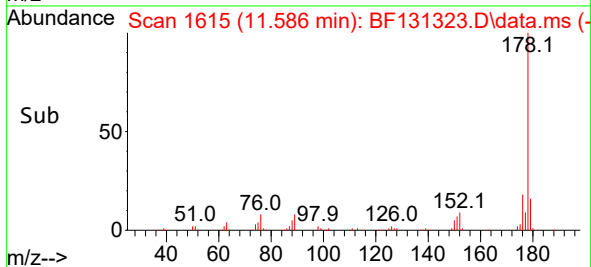
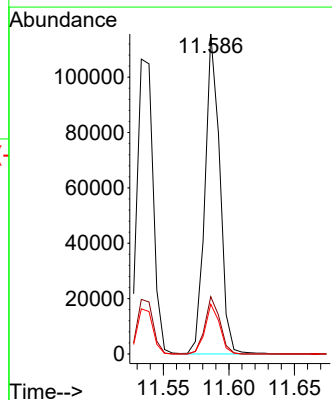
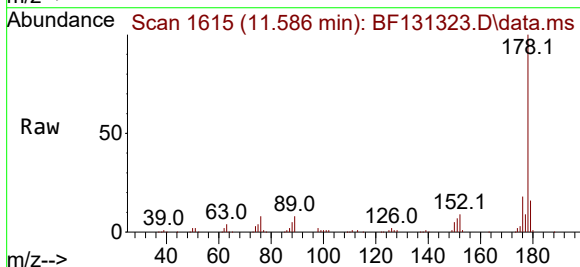
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

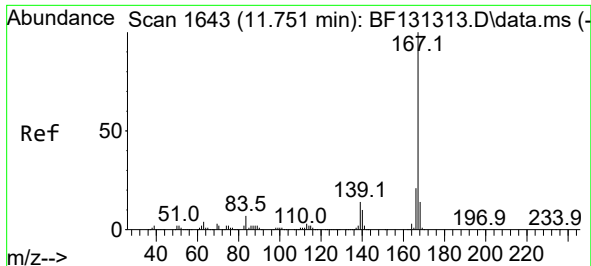
Tgt Ion:178 Resp: 91666
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.3 12.4 18.6



#72
Anthracene
Concen: 3.761 ng
RT: 11.586 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:178 Resp: 91214
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 15.5 12.2 18.4

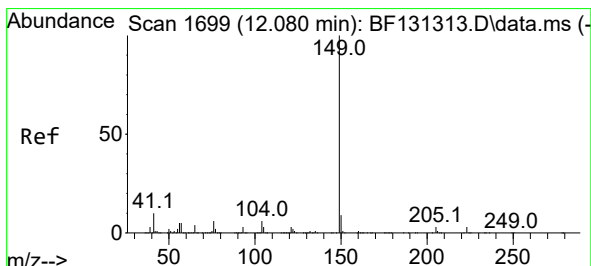
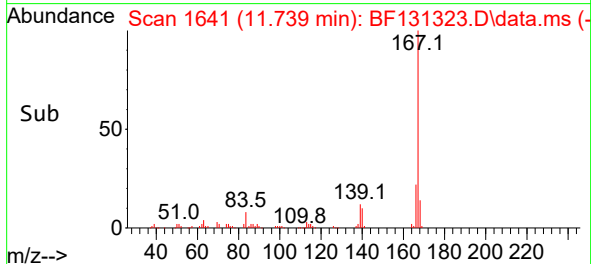
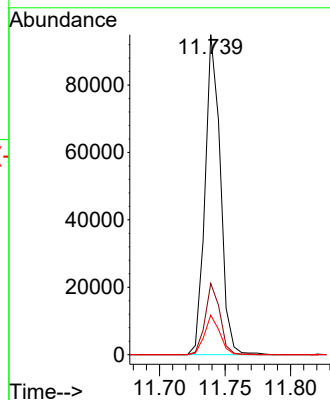
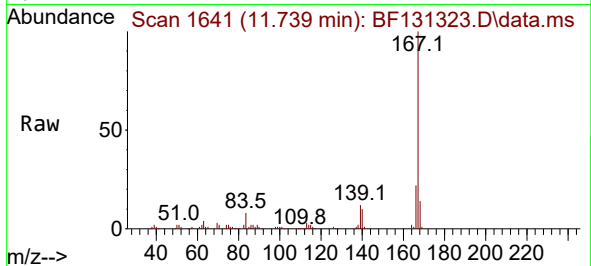




#73
 Carbazole
 Concen: 3.735 ng
 RT: 11.739 min Scan# 1641
 Delta R.T. -0.012 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

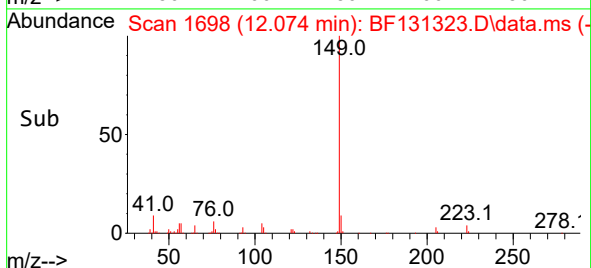
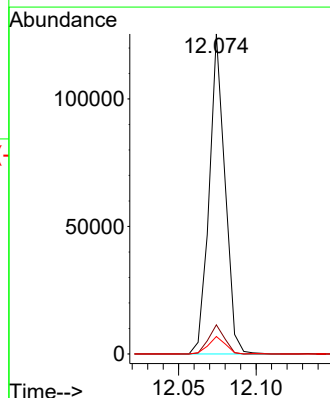
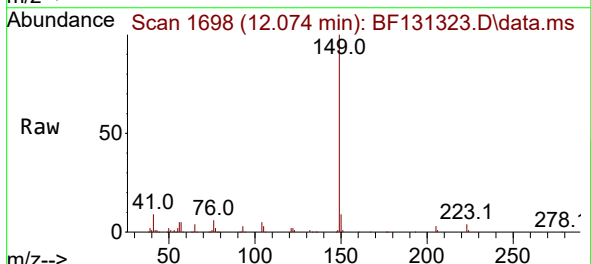
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

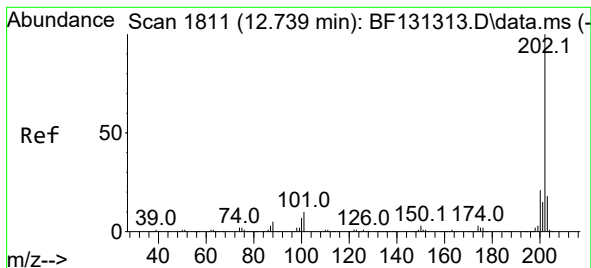
Tgt Ion:167 Resp: 77255
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.0 25.6
 139 12.4 10.8 16.2



#74
 Di-n-butylphthalate
 Concen: 3.642 ng
 RT: 12.074 min Scan# 1698
 Delta R.T. -0.006 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

Tgt Ion:149 Resp: 88780
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 5.4 4.7 7.1





#75

Fluoranthene

Concen: 3.662 ng

RT: 12.733 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

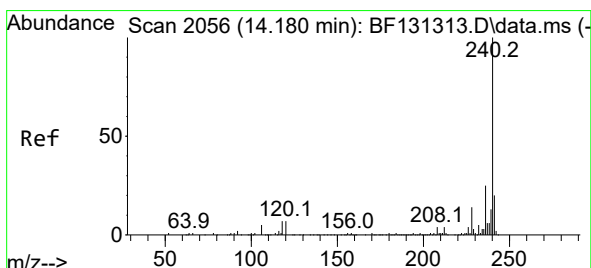
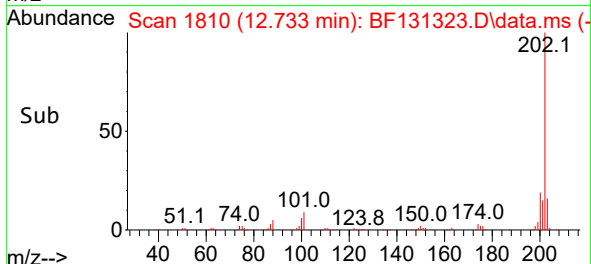
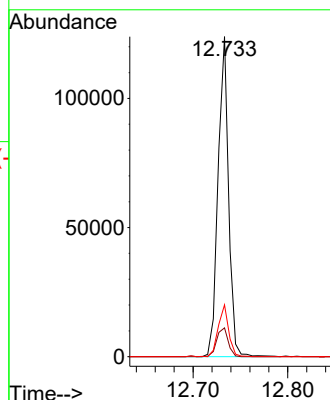
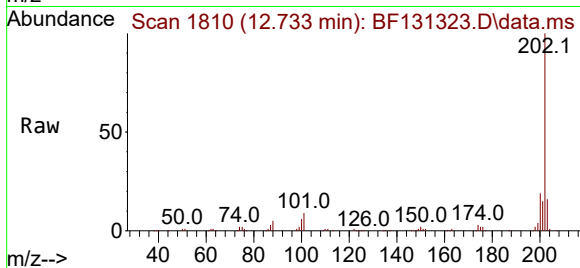
Tgt Ion:202 Resp: 95221

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.6

203 16.2 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.168 min Scan# 2054

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

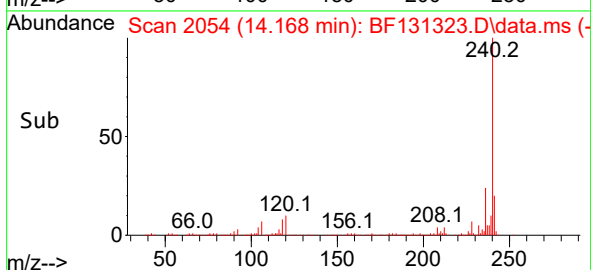
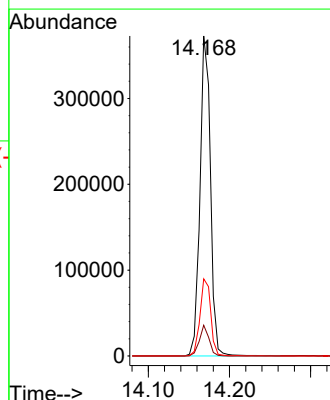
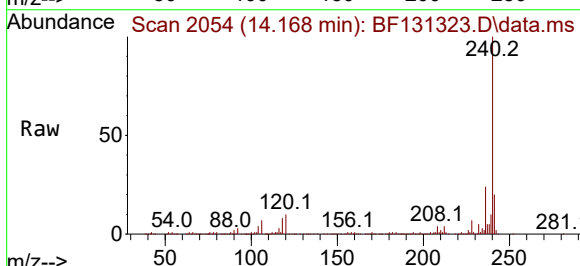
Tgt Ion:240 Resp: 335214

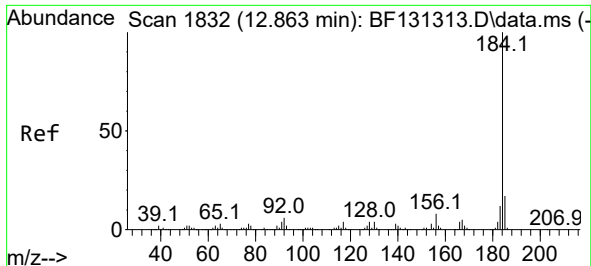
Ion Ratio Lower Upper

240 100

120 9.6 5.8 8.8#

236 24.1 20.3 30.5

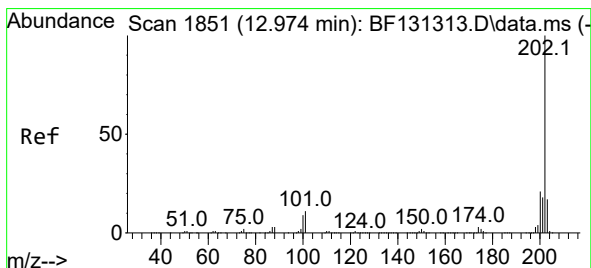
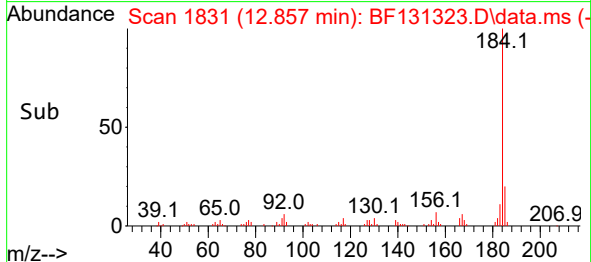
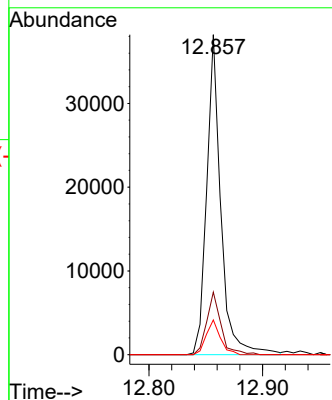
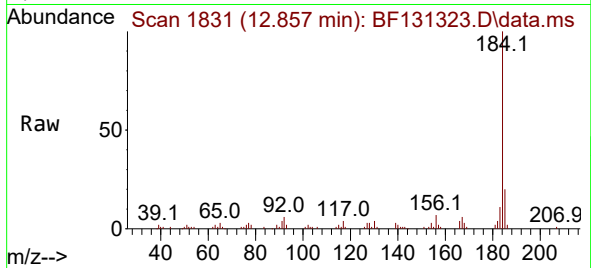




#77
Benzidine
Concen: 5.309 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

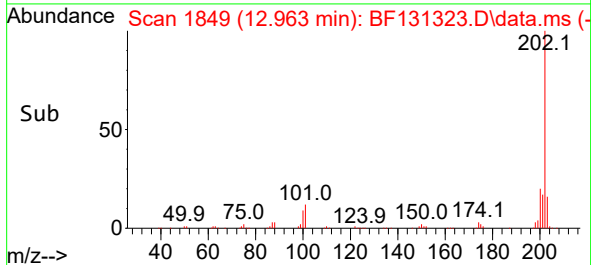
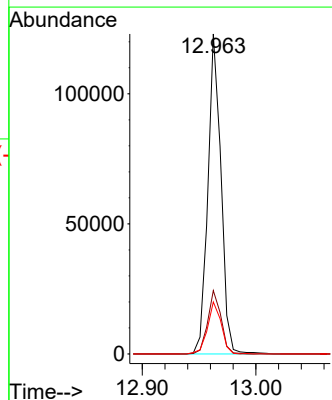
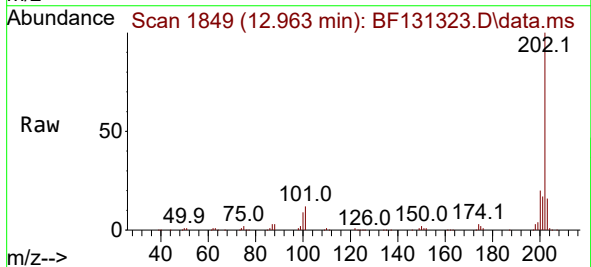
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

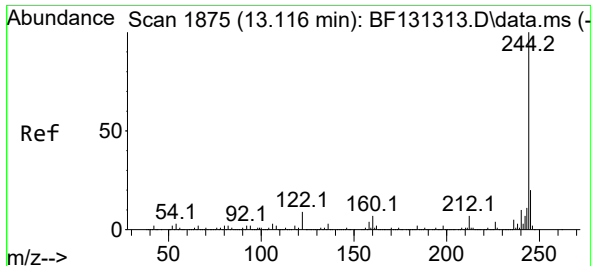
Tgt Ion:184 Resp: 32870
Ion Ratio Lower Upper
184 100
185 19.6 13.8 20.8
183 10.8 9.6 14.4



#78
Pyrene
Concen: 3.317 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:202 Resp: 98090
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 16.3 13.9 20.9

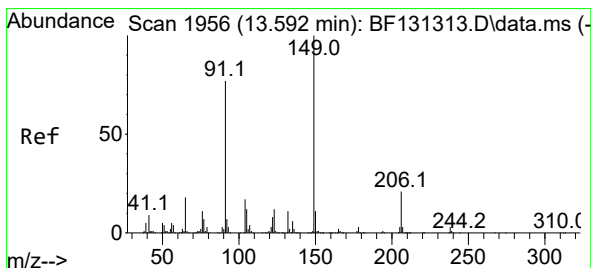
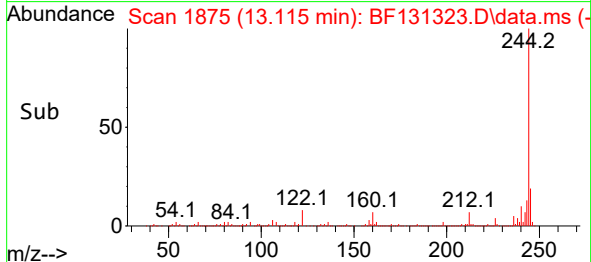
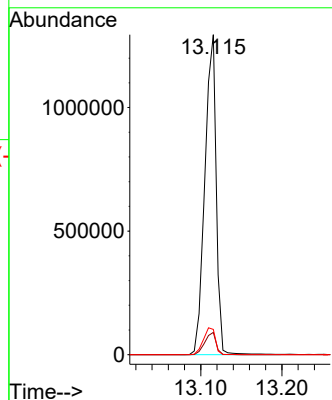
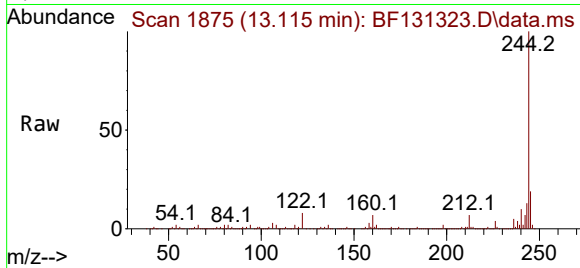




#79
 Terphenyl-d14
 Concen: 61.320 ng
 RT: 13.115 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

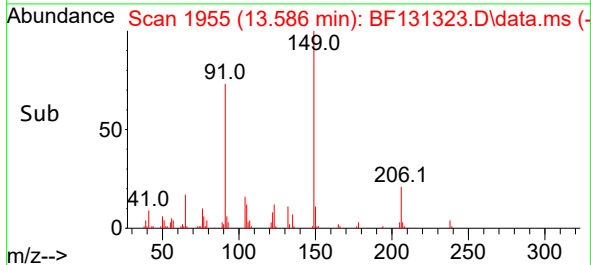
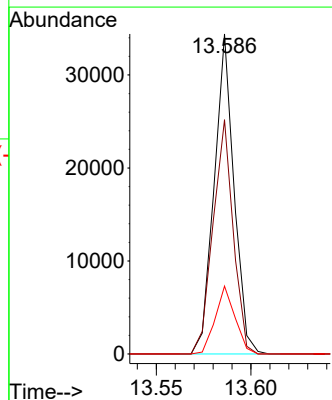
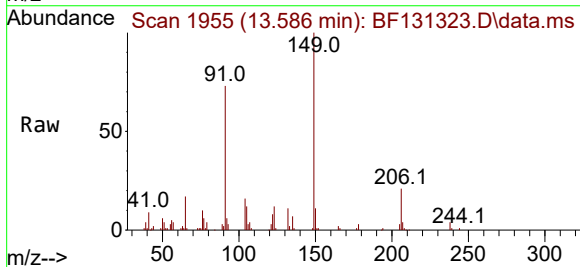
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

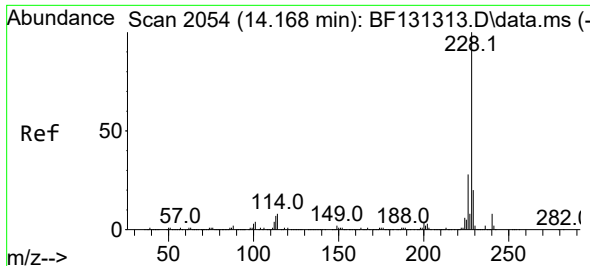
Tgt Ion:244 Resp: 1256995
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 7.9 7.5 11.3



#80
 Butylbenzylphthalate
 Concen: 2.943 ng
 RT: 13.586 min Scan# 1955
 Delta R.T. -0.006 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

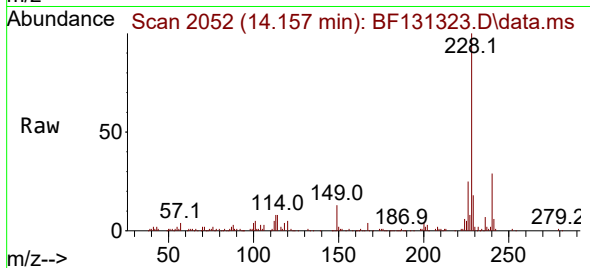
Tgt Ion:149 Resp: 25082
 Ion Ratio Lower Upper
 149 100
 91 73.2 61.9 92.9
 206 21.2 16.5 24.7



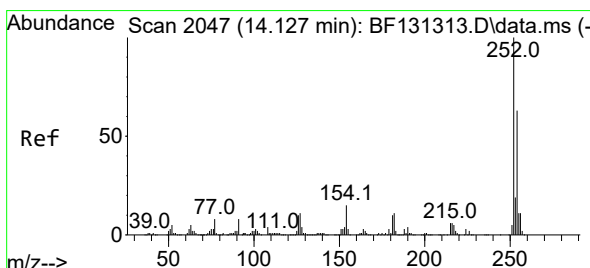
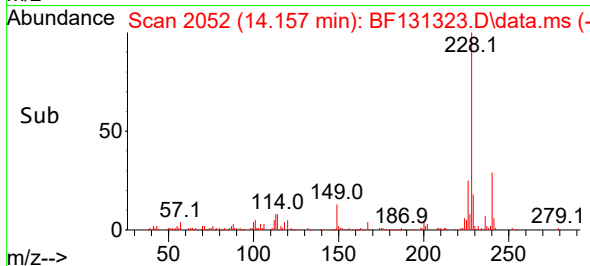
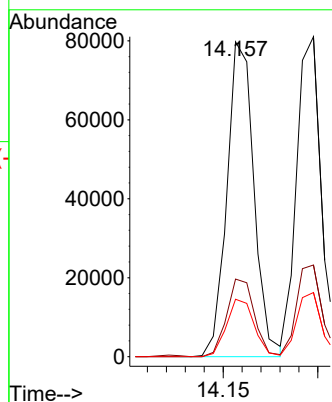


#81
Benzo(a)anthracene
Concen: 3.444 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.011 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

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

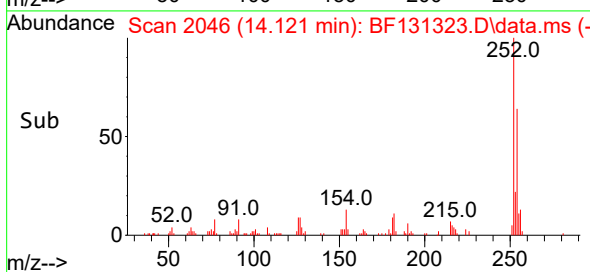
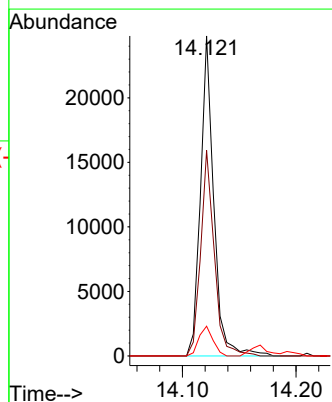
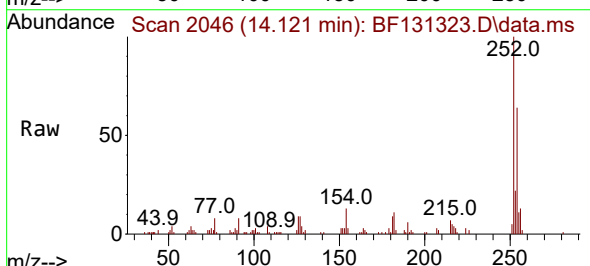


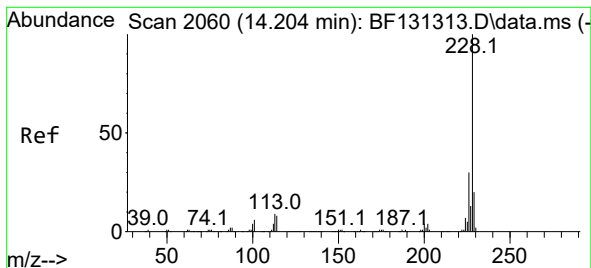
Tgt Ion:228 Resp: 79125
Ion Ratio Lower Upper
228 100
226 24.7 22.0 33.0
229 18.2 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 3.314 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:252 Resp: 20205
Ion Ratio Lower Upper
252 100
254 64.2 50.8 76.2
126 9.3 8.3 12.5





#83

Chrysene

Concen: 3.261 ng

RT: 14.198 min Scan# 2059

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

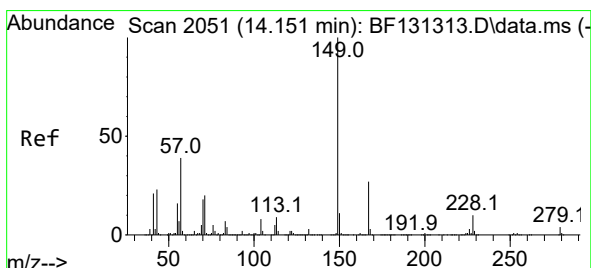
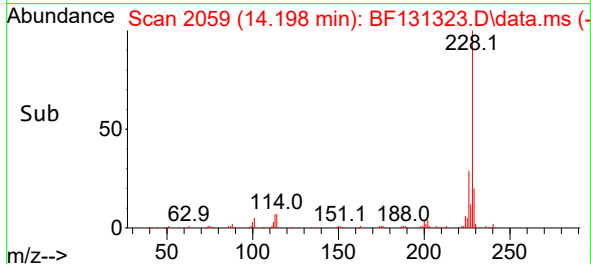
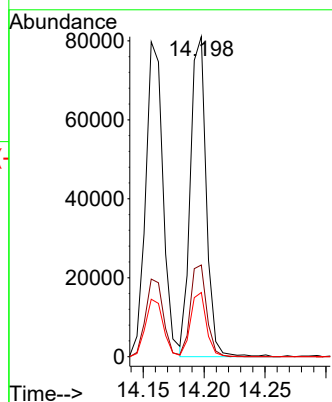
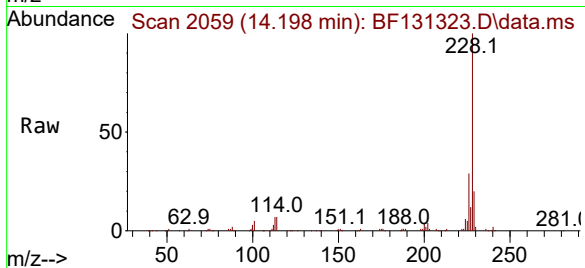
Tgt Ion:228 Resp: 73502

Ion Ratio Lower Upper

228 100

226 28.7 23.7 35.5

229 20.1 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.989 ng

RT: 14.145 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

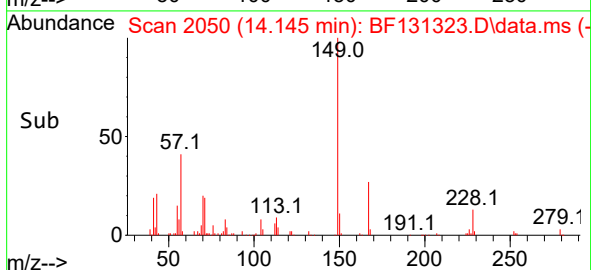
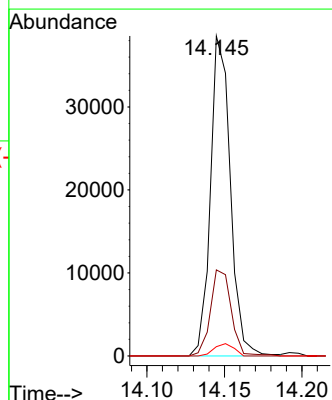
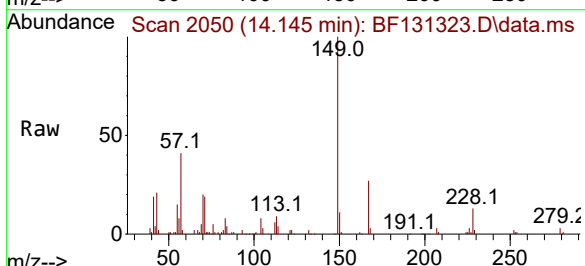
Tgt Ion:149 Resp: 34373

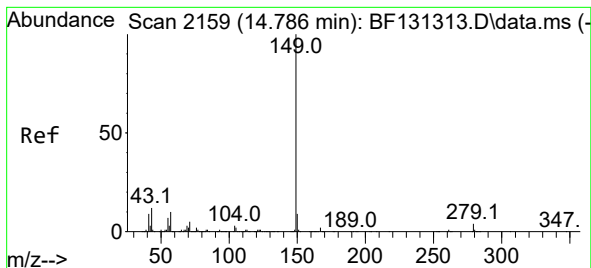
Ion Ratio Lower Upper

149 100

167 26.9 21.9 32.9

279 2.9 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 2.225 ng

RT: 14.774 min Scan# 2157

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

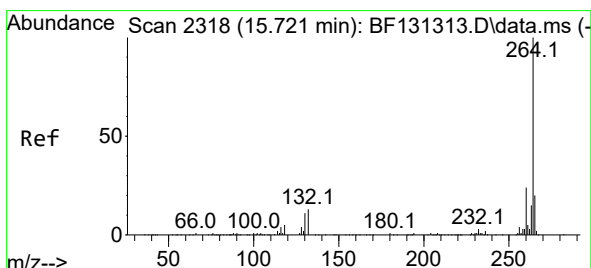
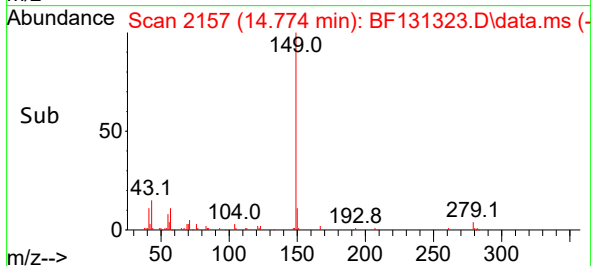
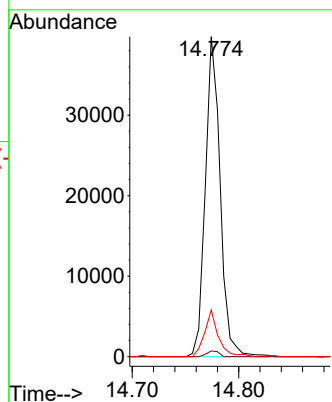
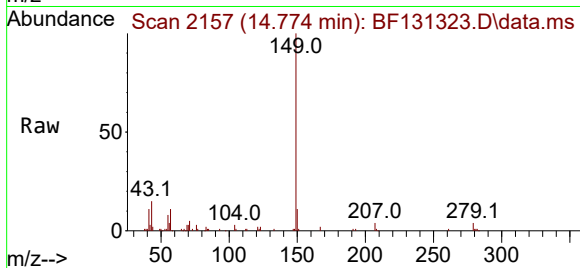
Tgt Ion:149 Resp: 38597

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 13.6 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.709 min Scan# 2316

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

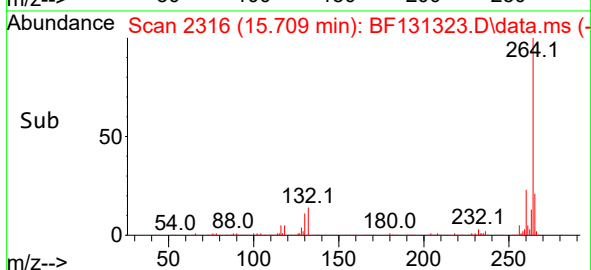
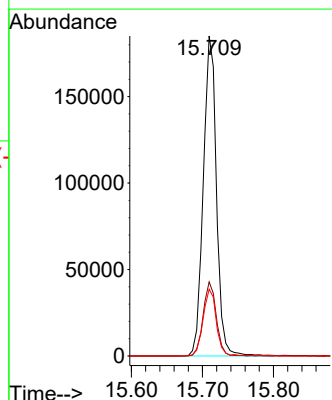
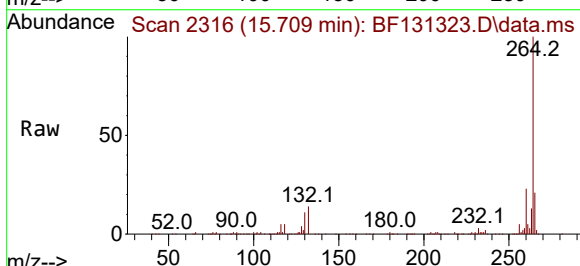
Tgt Ion:264 Resp: 238970

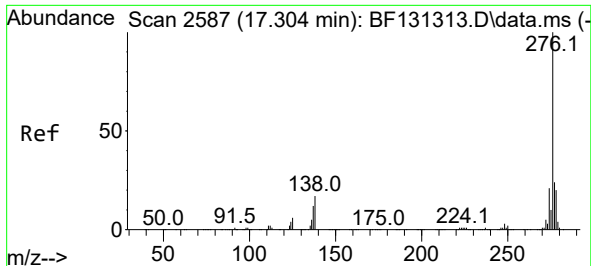
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 20.8 16.4 24.6

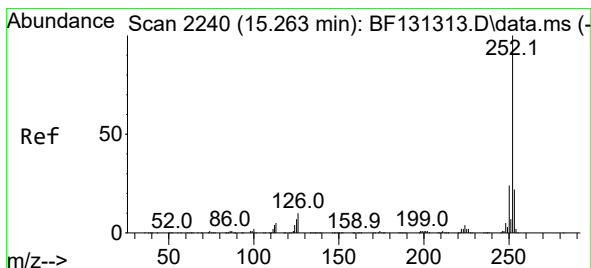
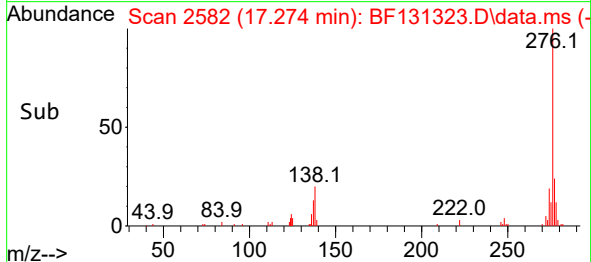
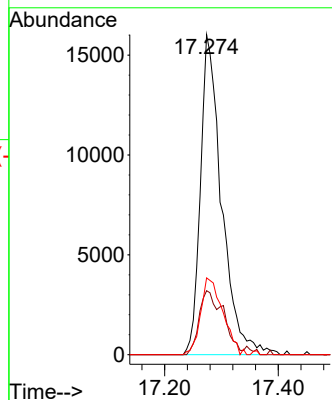
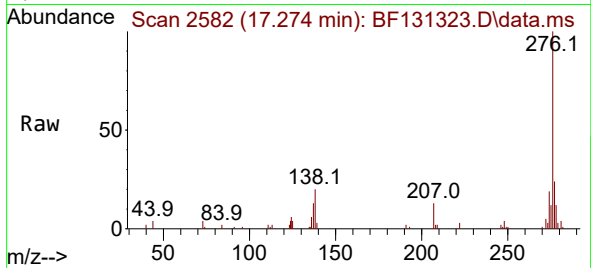




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.592 ng
 RT: 17.274 min Scan# 21
 Delta R.T. -0.030 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

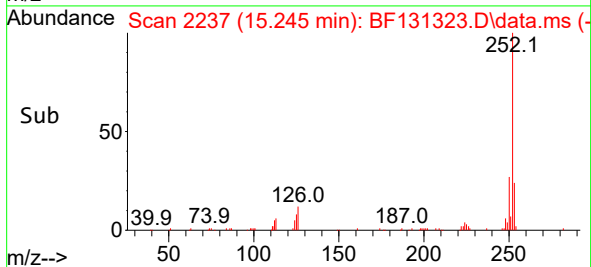
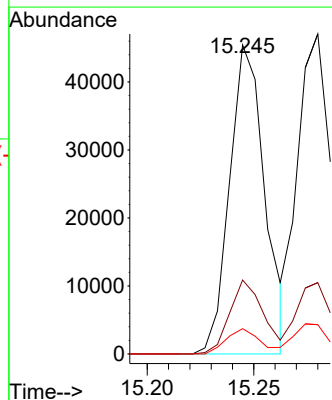
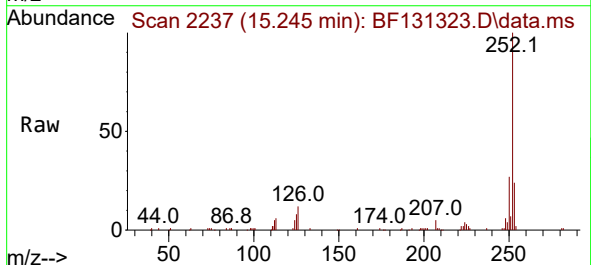
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

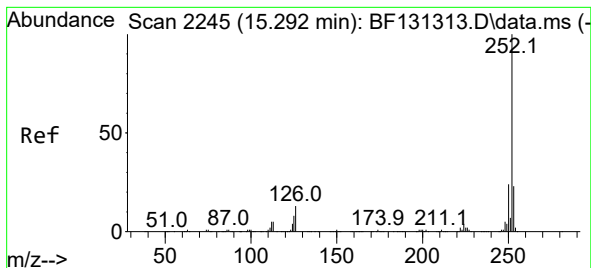
Tgt Ion:276 Resp: 41596
 Ion Ratio Lower Upper
 276 100
 138 23.0 15.8 23.6
 277 25.1 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 3.291 ng
 RT: 15.245 min Scan# 2237
 Delta R.T. -0.018 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

Tgt Ion:252 Resp: 52246
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.5 26.3
 125 8.2 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 3.437 ng

RT: 15.280 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

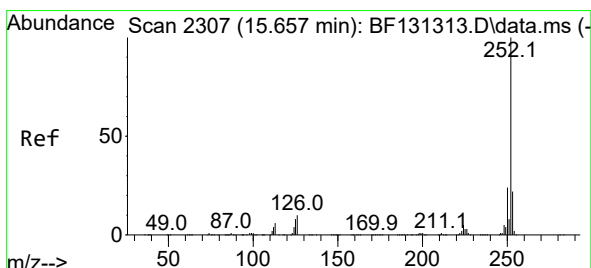
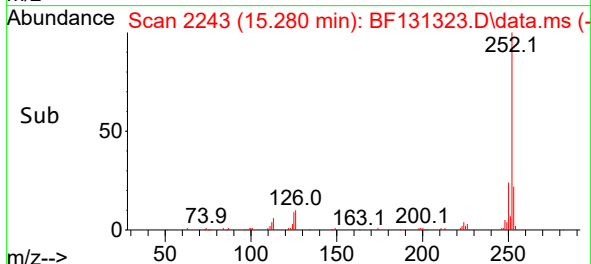
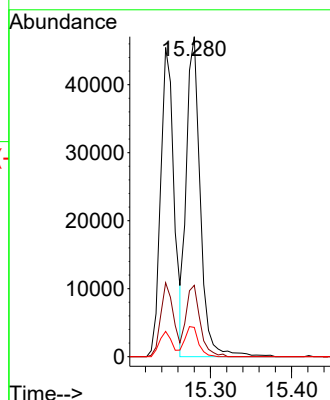
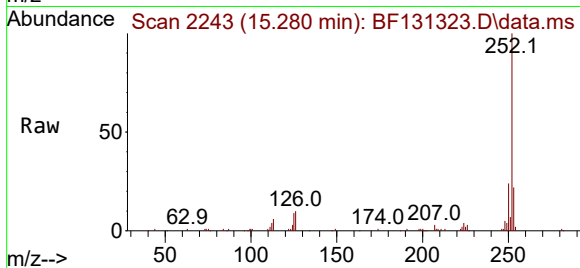
Tgt Ion:252 Resp: 56075

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 9.2 6.6 10.0



#90

Benzo(a)pyrene

Concen: 3.335 ng

RT: 15.639 min Scan# 2304

Delta R.T. -0.018 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

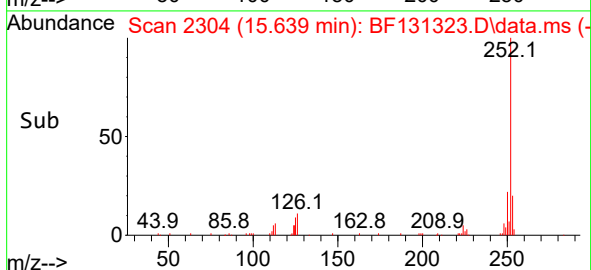
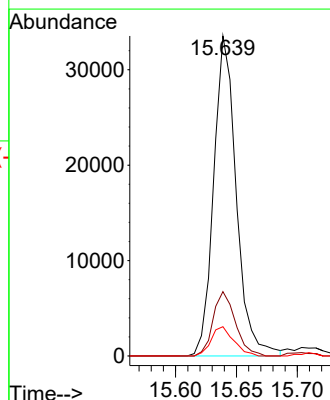
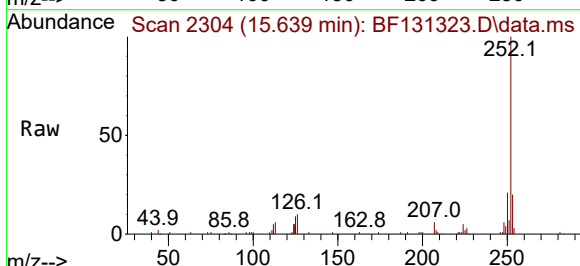
Tgt Ion:252 Resp: 43439

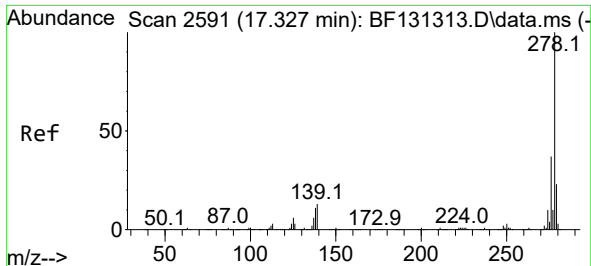
Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

125 9.2 6.1 9.1#

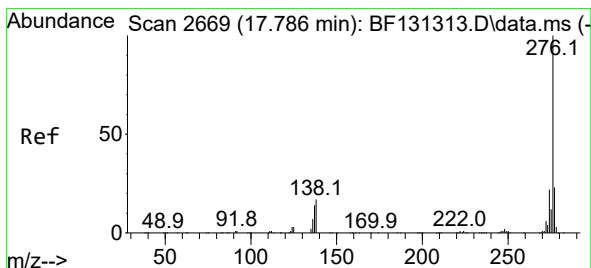
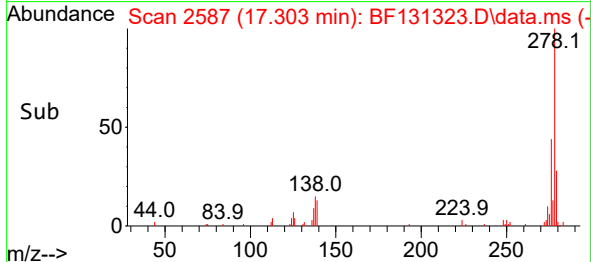
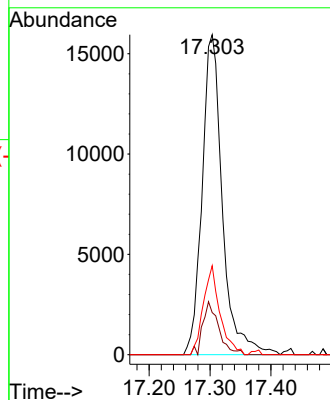
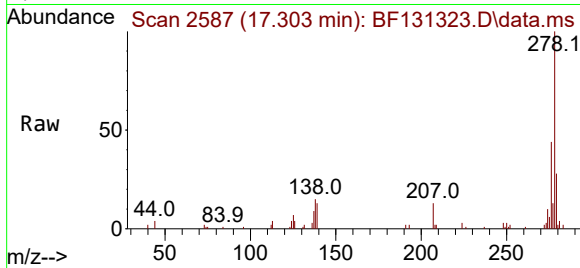




#91
Dibenzo(a,h)anthracene
Concen: 2.781 ng
RT: 17.303 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

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

Tgt Ion:278 Resp: 36850
Ion Ratio Lower Upper
278 100
139 13.2 10.4 15.6
279 27.8 18.3 27.5#



#92
Benzo(g,h,i)perylene
Concen: 2.670 ng
RT: 17.750 min Scan# 2663
Delta R.T. -0.035 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:276 Resp: 35316
Ion Ratio Lower Upper
276 100
277 22.2 18.3 27.5
138 17.1 13.8 20.6

