

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131296.D
 Acq On : 18 Nov 2022 13:07
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 01:19:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	73857	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	263165	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	153113	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	288789	20.000	ng	0.00
76) Chrysene-d12	14.174	240	197992	20.000	ng	0.00
86) Perylene-d12	15.715	264	139393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	447019	110.781	ng	0.00
7) Phenol-d6	6.581	99	559375	109.350	ng	0.00
23) Nitrobenzene-d5	7.534	82	419704	85.192	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	154500	113.352	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	850642	79.349	ng	0.00
79) Terphenyl-d14	13.116	244	994419	75.075	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.775	88	21097	11.308	ng	98
3) Pyridine	3.557	79	50332	9.682	ng	99
4) n-Nitrosodimethylamine	3.487	42	32743	10.152	ng	95
6) Aniline	6.628	93	76588	11.963	ng	98
8) 2-Chlorophenol	6.751	128	51501	11.530	ng	91
9) Benzaldehyde	6.516	77	47837	12.881	ng	98
10) Phenol	6.592	94	60411	10.670	ng	97
11) bis(2-Chloroethyl)ether	6.698	93	50402	11.060	ng	96
12) 1,3-Dichlorobenzene	6.910	146	57977	10.911	ng	95
13) 1,4-Dichlorobenzene	6.987	146	59038	10.927	ng	97
14) 1,2-Dichlorobenzene	7.140	146	54722	10.881	ng	98
15) Benzyl Alcohol	7.128	79	31538	7.238	ng	# 65
16) 2,2'-oxybis(1-Chloropr...	7.239	45	95758	11.098	ng	98
17) 2-Methylphenol	7.204	107	41222	10.556	ng	98
18) Hexachloroethane	7.487	117	20808	10.831	ng	95
19) n-Nitroso-di-n-propyla...	7.375	70	39686	10.786	ng	95
20) 3+4-Methylphenols	7.357	107	53120	10.651	ng	91
22) Acetophenone	7.375	105	80769	11.615	ng	98
24) Nitrobenzene	7.551	77	58493	11.730	ng	95
25) Isophorone	7.787	82	106579	11.331	ng	99
26) 2-Nitrophenol	7.869	139	16776	10.622	ng	97
27) 2,4-Dimethylphenol	7.898	122	45634	12.340	ng	97
28) bis(2-Chloroethoxy)met...	7.998	93	64212	12.222	ng	97
29) 2,4-Dichlorophenol	8.104	162	42883	10.828	ng	97
30) 1,2,4-Trichlorobenzene	8.198	180	52733	10.725	ng	98
31) Naphthalene	8.281	128	153258	10.740	ng	99
32) Benzoic acid	7.951	122	11983	5.417	ng	# 89
33) 4-Chloroaniline	8.322	127	63136	11.390	ng	97
34) Hexachlorobutadiene	8.398	225	34073	10.487	ng	99
35) Caprolactam	8.657	113	12385	11.232	ng	93
36) 4-Chloro-3-methylphenol	8.798	107	45369	10.629	ng	96
37) 2-Methylnaphthalene	8.975	142	105858	11.007	ng	99
38) 1-Methylnaphthalene	9.075	142	100661	10.801	ng	98
40) 1,2,4,5-Tetrachloroben...	9.139	216	56287	11.235	ng	99
41) Hexachlorocyclopentadiene	9.128	237	25036	11.552	ng	98
43) 2,4,6-Trichlorophenol	9.245	196	22805	7.656	ng	99

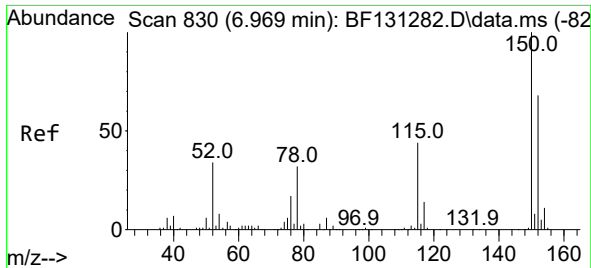
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131296.D
 Acq On : 18 Nov 2022 13:07
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 01:19:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.286	196	37654	11.602	ng	# 90
46) 1,1'-Biphenyl	9.439	154	139886	11.831	ng	98
47) 2-Chloronaphthalene	9.469	162	107302	11.304	ng	98
48) 2-Nitroaniline	9.557	65	27067	10.315	ng	99
49) Acenaphthylene	9.886	152	160989	11.102	ng	98
50) Dimethylphthalate	9.733	163	122203	11.022	ng	99
51) 2,6-Dinitrotoluene	9.798	165	19876	10.914	ng	87
52) Acenaphthene	10.057	154	98865	10.927	ng	99
53) 3-Nitroaniline	9.969	138	21290	11.046	ng	90
54) 2,4-Dinitrophenol	10.069	184	3606	5.621	ng	# 5
55) Dibenzofuran	10.228	168	145503	11.090	ng	99
56) 4-Nitrophenol	10.110	139	12740	8.784	ng	91
57) 2,4-Dinitrotoluene	10.198	165	23107	10.493	ng	99
58) Fluorene	10.575	166	117786	11.305	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	25732	9.361	ng	97
60) Diethylphthalate	10.439	149	118322	11.186	ng	98
61) 4-Chlorophenyl-phenyle...	10.569	204	60896	11.529	ng	91
62) 4-Nitroaniline	10.580	138	21111	10.781	ng	95
63) Azobenzene	10.727	77	120412	10.961	ng	99
65) 4,6-Dinitro-2-methylph...	10.604	198	6619	6.611	ng	77
66) n-Nitrosodiphenylamine	10.680	169	98611	10.596	ng	100
67) 4-Bromophenyl-phenylether	11.063	248	37387	10.789	ng	# 90
68) Hexachlorobenzene	11.122	284	40196	10.691	ng	98
69) Atrazine	11.204	200	35662	12.012	ng	97
70) Pentachlorophenol	11.310	266	12640	6.293	ng	94
71) Phenanthrene	11.545	178	170127	10.654	ng	99
72) Anthracene	11.592	178	178379	11.423	ng	99
73) Carbazole	11.745	167	145006	11.046	ng	99
74) Di-n-butylphthalate	12.080	149	178629	11.269	ng	99
75) Fluoranthene	12.739	202	180175	10.873	ng	99
77) Benzidine	12.863	184	78693	17.572	ng	97
78) Pyrene	12.969	202	183908	9.654	ng	98
80) Butylbenzylphthalate	13.592	149	55960	9.711	ng	95
81) Benzo(a)anthracene	14.163	228	145120	10.396	ng	98
82) 3,3'-Dichlorobenzidine	14.127	252	42242	11.399	ng	96
83) Chrysene	14.198	228	140345	10.513	ng	99
84) Bis(2-ethylhexyl)phtha...	14.151	149	73440	10.949	ng	# 95
85) Di-n-octyl phthalate	14.780	149	90017	9.454	ng	98
87) Indeno(1,2,3-cd)pyrene	17.292	276	94831	8.970	ng	97
88) Benzo(b)fluoranthene	15.251	252	104280	11.115	ng	98
89) Benzo(k)fluoranthene	15.286	252	106524	11.109	ng	99
90) Benzo(a)pyrene	15.651	252	85884	11.150	ng	98
91) Dibenzo(a,h)anthracene	17.315	278	82402	9.472	ng	98
92) Benzo(g,h,i)perylene	17.768	276	80998	9.209	ng	98

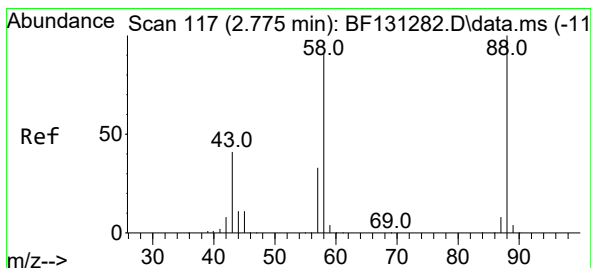
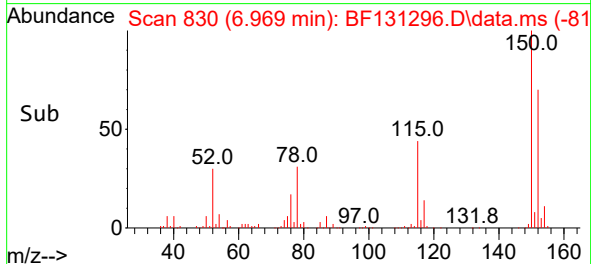
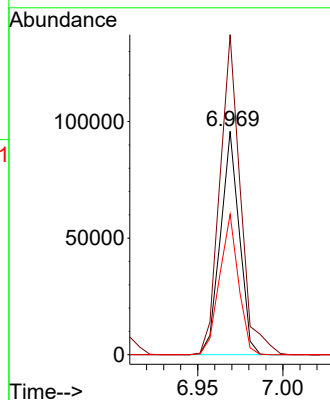
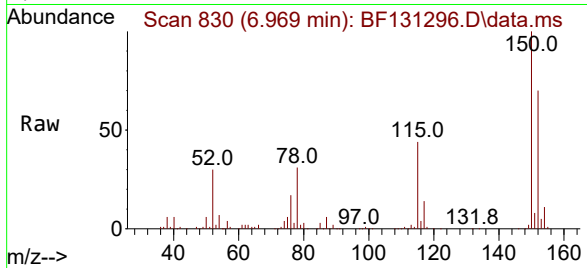
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

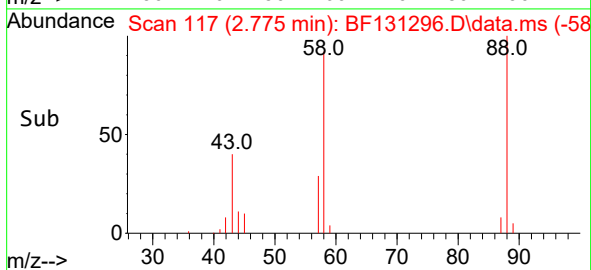
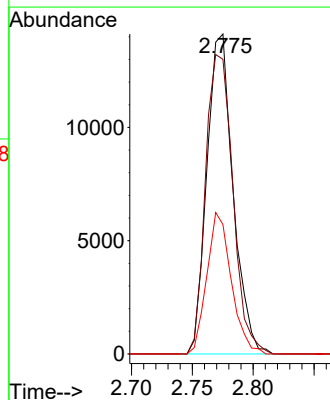
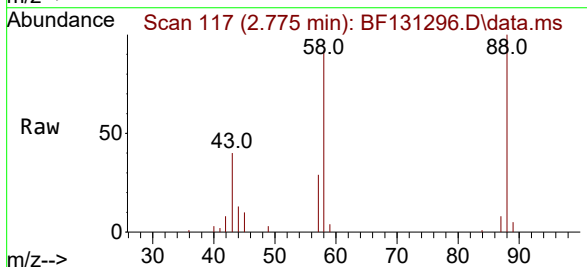
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

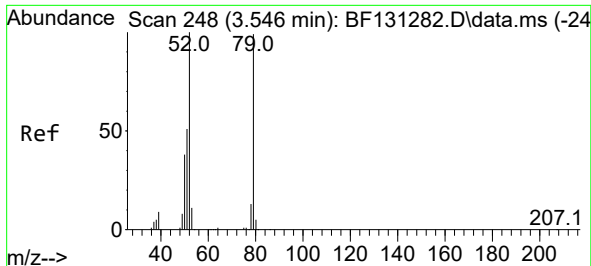
Tgt Ion:152 Resp: 73857
Ion Ratio Lower Upper
152 100
150 143.2 117.8 176.6
115 62.9 52.2 78.4



#2
1,4-Dioxane
Concen: 11.308 ng
RT: 2.775 min Scan# 117
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 88 Resp: 21097
Ion Ratio Lower Upper
88 100
58 97.5 76.0 114.0
43 41.3 32.4 48.6





#3

Pyridine

Concen: 9.682 ng

RT: 3.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

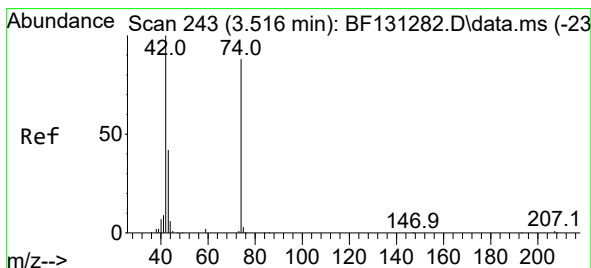
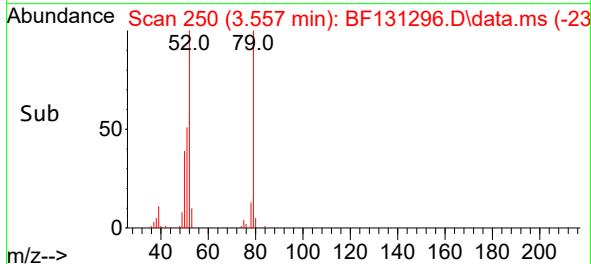
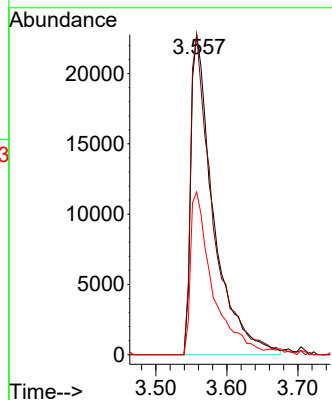
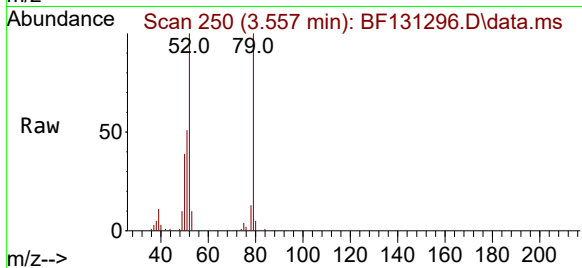
Tgt Ion: 79 Resp: 50332

Ion Ratio Lower Upper

79 100

52 100.0 80.7 121.1

51 50.9 41.6 62.4



#4

n-Nitrosodimethylamine

Concen: 10.152 ng

RT: 3.487 min Scan# 238

Delta R.T. -0.029 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

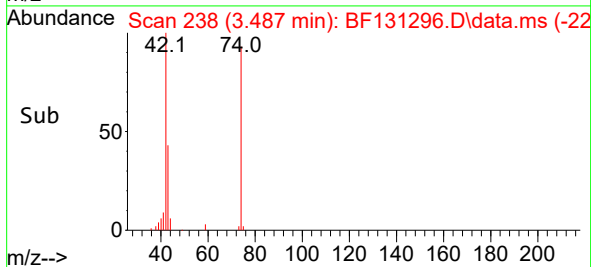
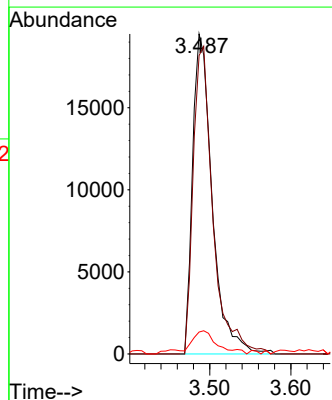
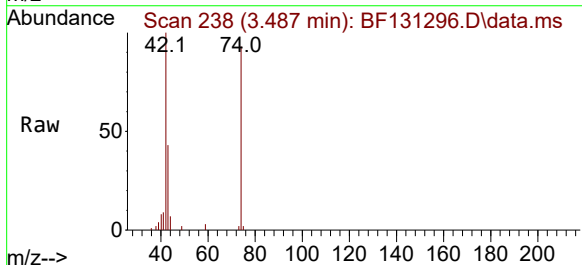
Tgt Ion: 42 Resp: 32743

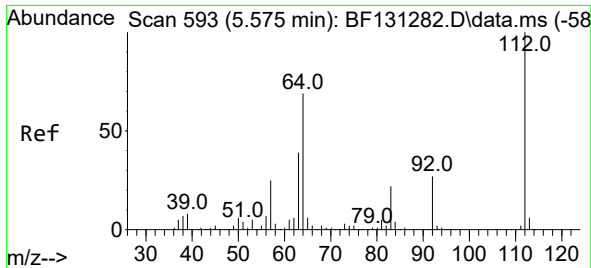
Ion Ratio Lower Upper

42 100

74 93.3 70.3 105.5

44 6.9 5.4 8.2

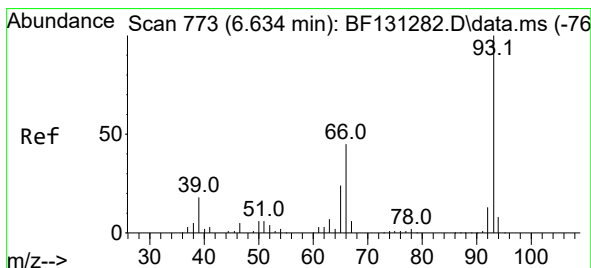
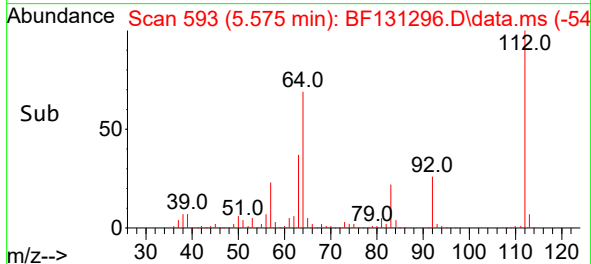
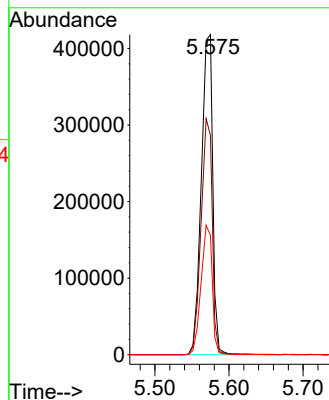
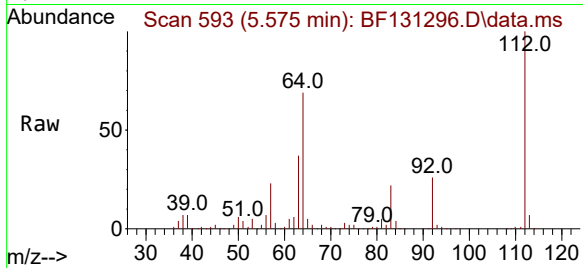




#5
2-Fluorophenol
Concen: 110.781 ng
RT: 5.575 min Scan# 593
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

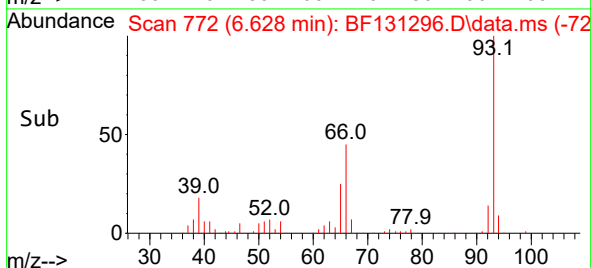
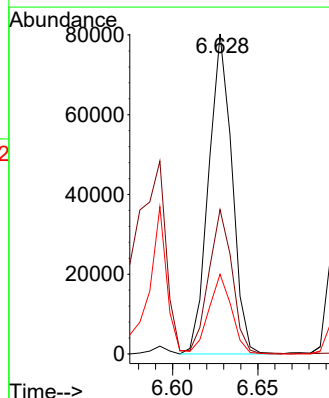
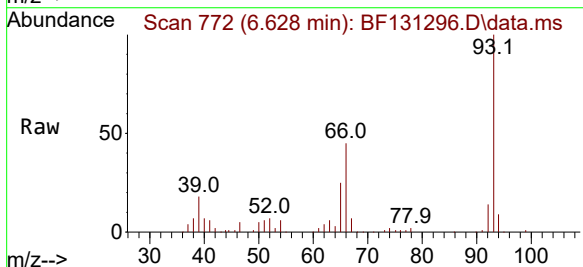
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

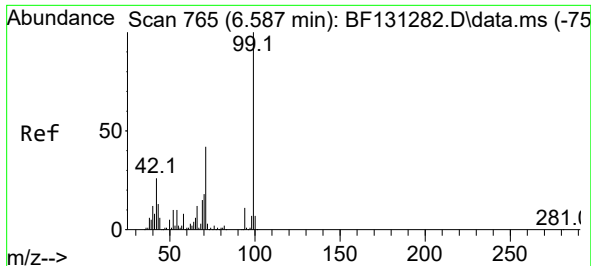
Tgt Ion:112 Resp: 447019
Ion Ratio Lower Upper
112 100
64 68.6 55.5 83.3
63 37.2 31.0 46.6



#6
Aniline
Concen: 11.963 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 93 Resp: 76588
Ion Ratio Lower Upper
93 100
66 45.1 37.7 56.5
65 24.9 19.5 29.3

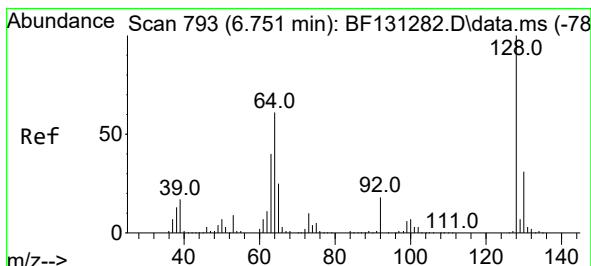
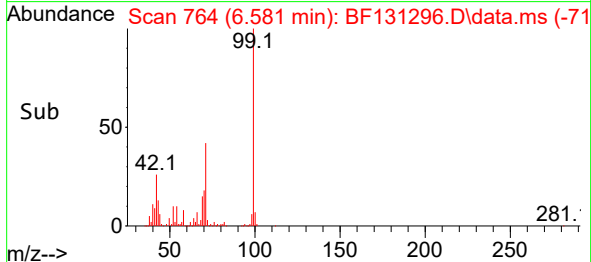
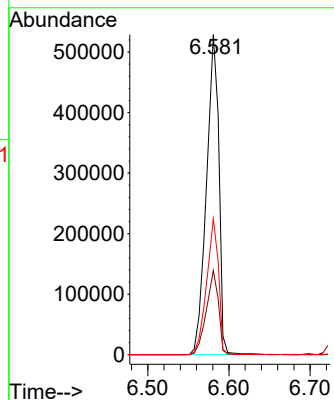
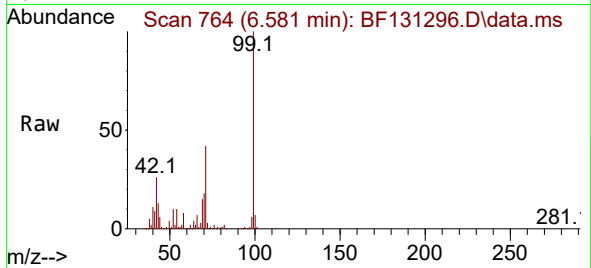




#7
Phenol-d6
Concen: 109.350 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

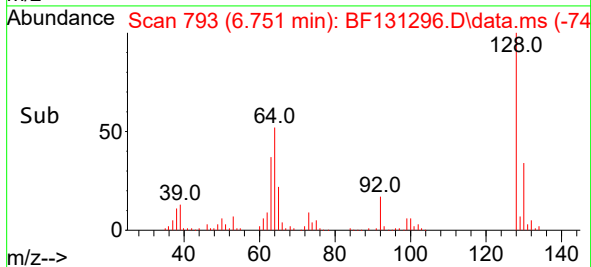
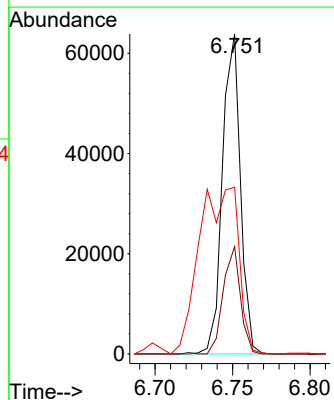
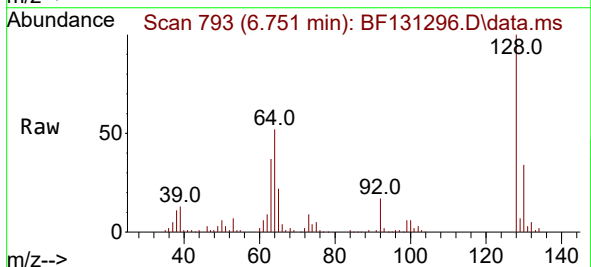
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

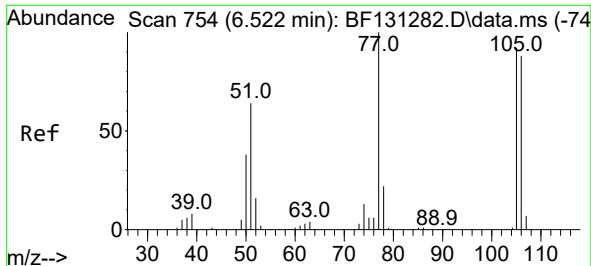
Tgt Ion: 99 Resp: 559375
Ion Ratio Lower Upper
99 100
42 26.3 21.2 31.8
71 42.4 33.8 50.6



#8
2-Chlorophenol
Concen: 11.530 ng
RT: 6.751 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:128 Resp: 51501
Ion Ratio Lower Upper
128 100
130 33.6 11.4 51.4
64 52.1 40.9 80.9





#9

Benzaldehyde

Concen: 12.881 ng

RT: 6.516 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

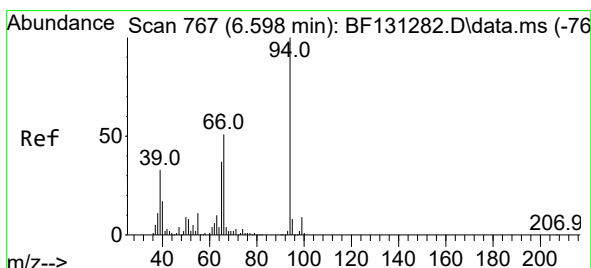
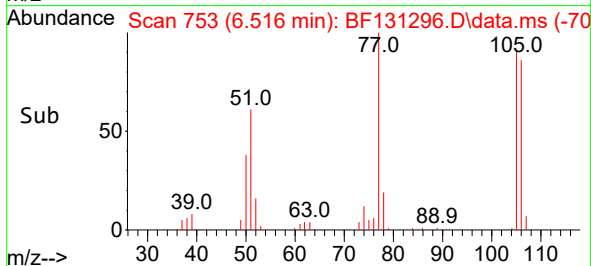
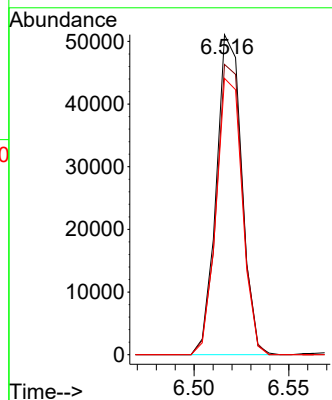
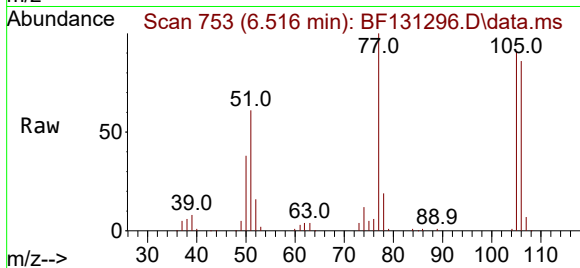
Tgt Ion: 77 Resp: 47837

Ion Ratio Lower Upper

77 100

105 90.7 72.5 112.5

106 86.4 67.7 107.7



#10

Phenol

Concen: 10.670 ng

RT: 6.592 min Scan# 766

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

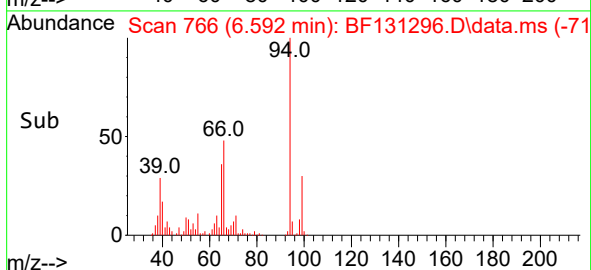
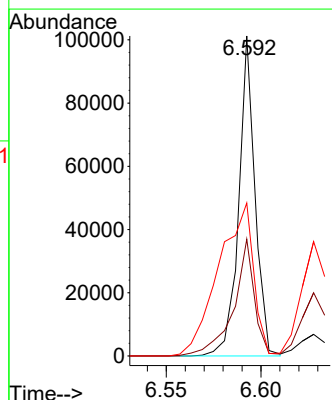
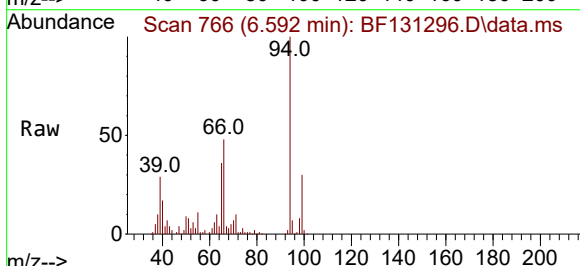
Tgt Ion: 94 Resp: 60411

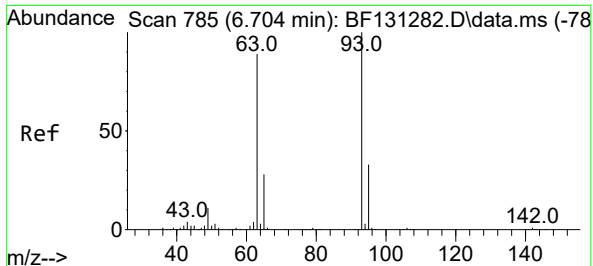
Ion Ratio Lower Upper

94 100

65 36.5 16.8 56.8

66 47.8 31.4 71.4

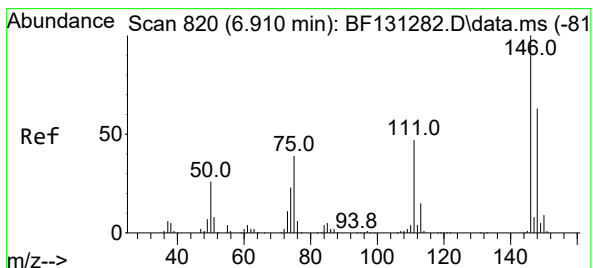
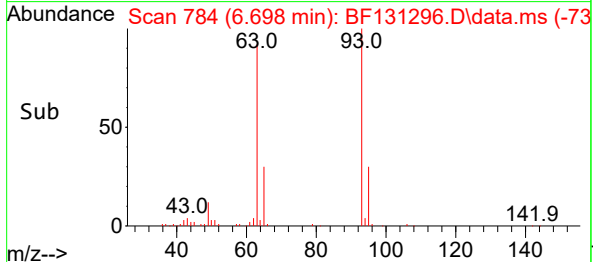
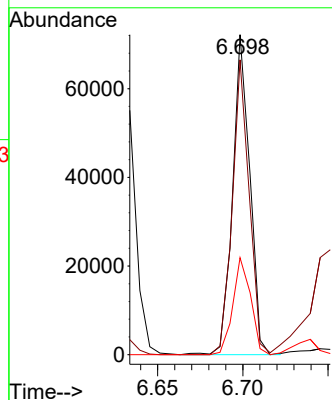
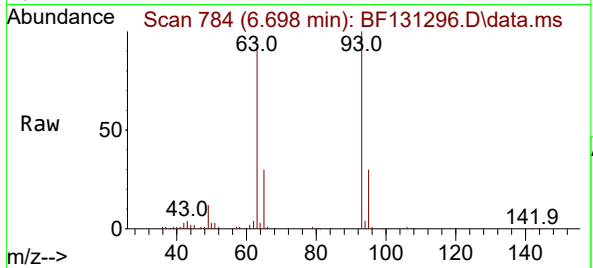




#11
bis(2-Chloroethyl)ether
Concen: 11.060 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

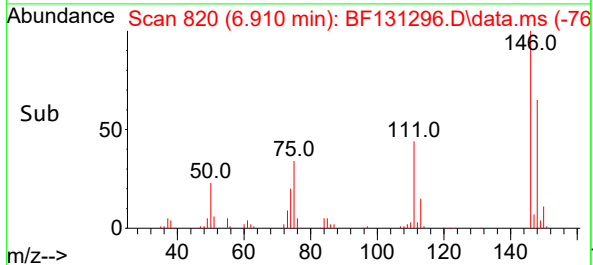
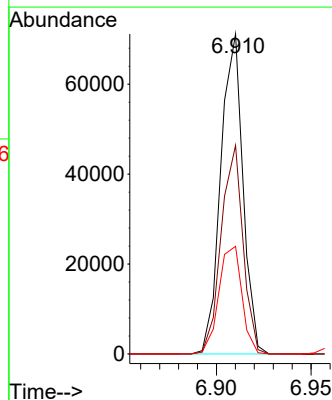
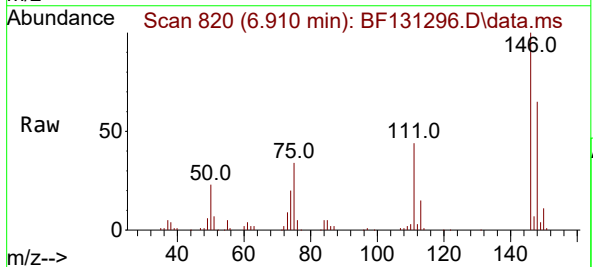
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

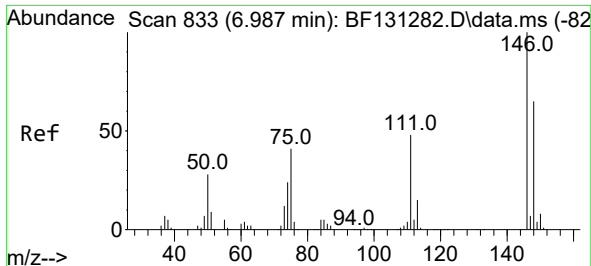
Tgt Ion: 93	Resp: 50402
Ion Ratio	Lower Upper
93 100	
63 92.2	68.8 108.8
95 30.3	12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 10.911 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:146	Resp: 57977		
Ion Ratio	Lower	Upper	
146 100			
148 65.2	50.4	75.6	
75 33.7	30.9	46.3	

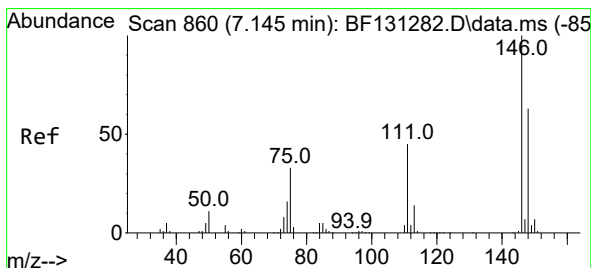
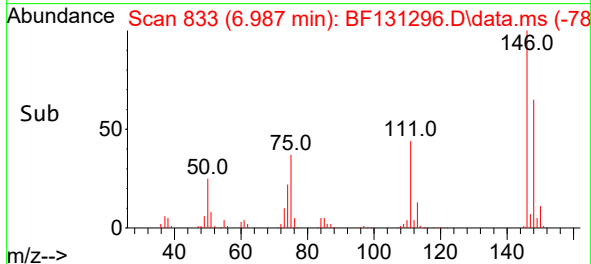
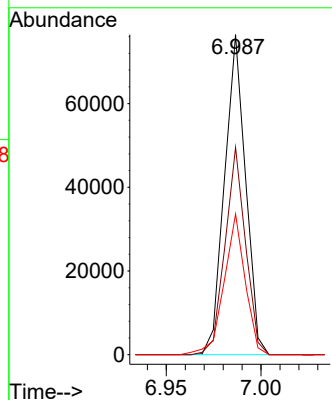
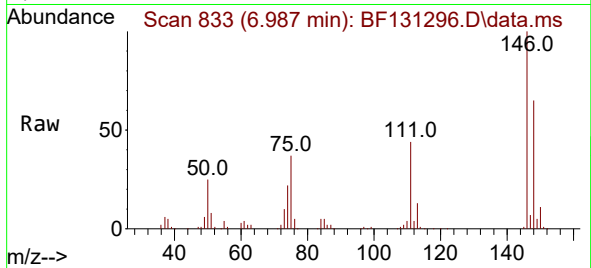




#13
1,4-Dichlorobenzene
Concen: 10.927 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

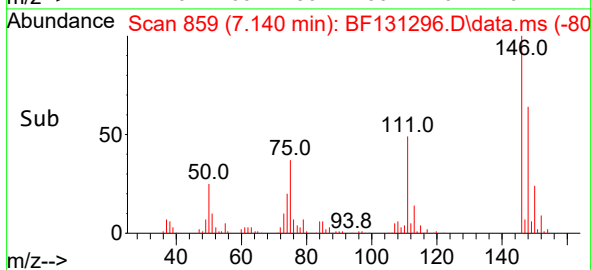
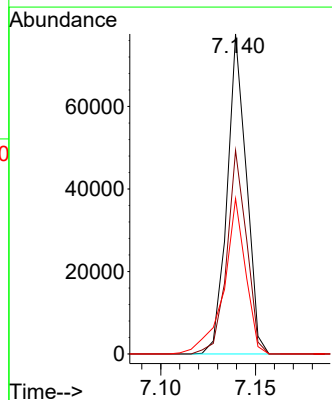
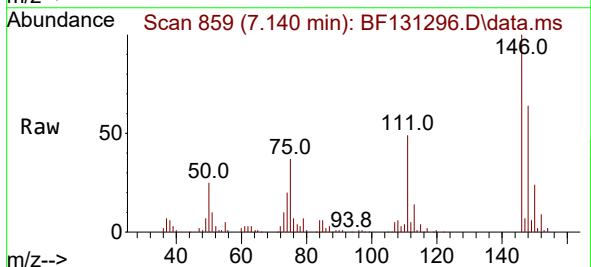
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

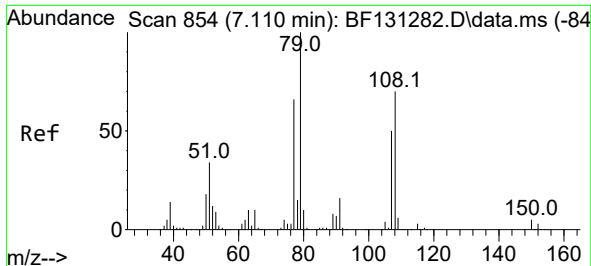
Tgt Ion:146 Resp: 59038
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
111 43.9 38.3 57.5



#14
1,2-Dichlorobenzene
Concen: 10.881 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:146 Resp: 54722
Ion Ratio Lower Upper
146 100
148 63.6 50.6 75.8
111 48.5 36.4 54.6

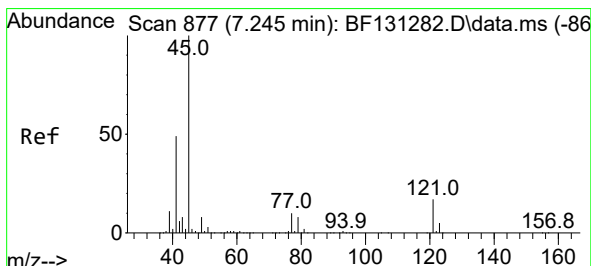
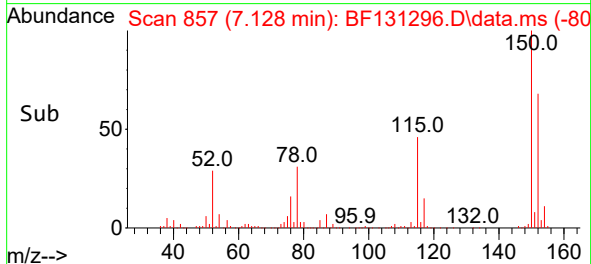
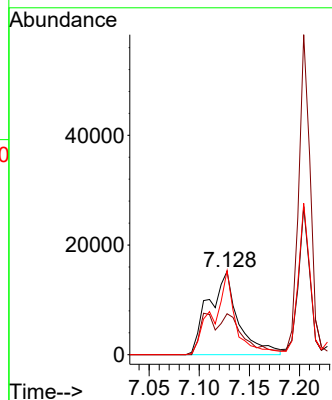
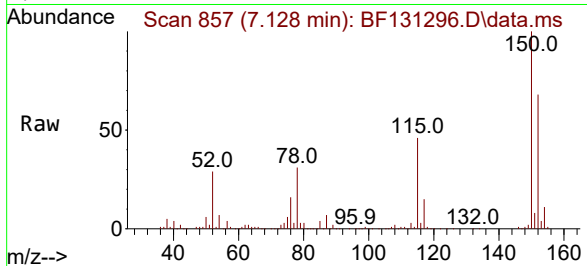




#15
Benzyl Alcohol
Concen: 7.238 ng
RT: 7.128 min Scan# 815
Delta R.T. 0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

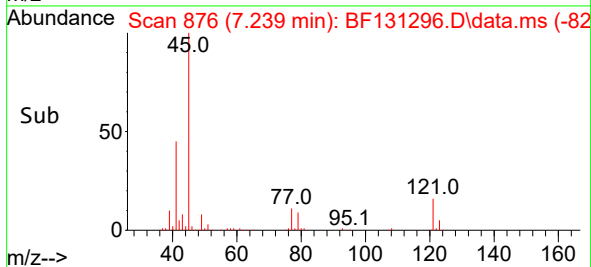
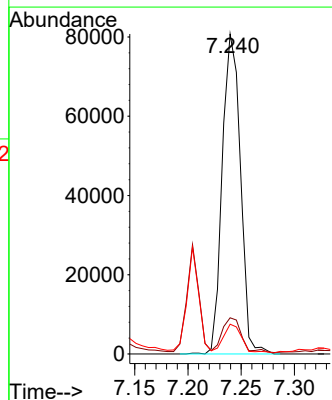
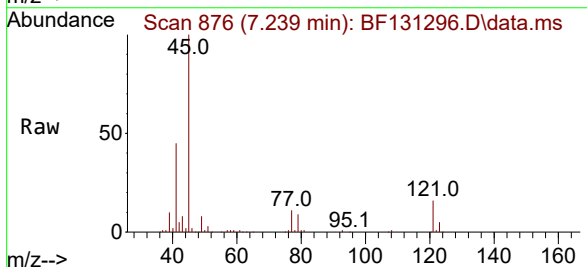
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

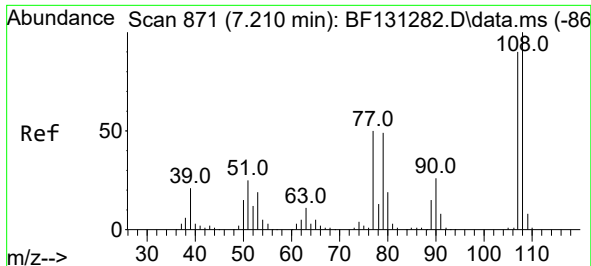
Tgt Ion: 79 Resp: 31538
Ion Ratio Lower Upper
79 100
108 49.2 56.3 84.5#
77 100.9 52.5 78.7#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.098 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 45 Resp: 95758
Ion Ratio Lower Upper
45 100
77 11.3 0.0 30.8
79 9.3 0.0 28.4

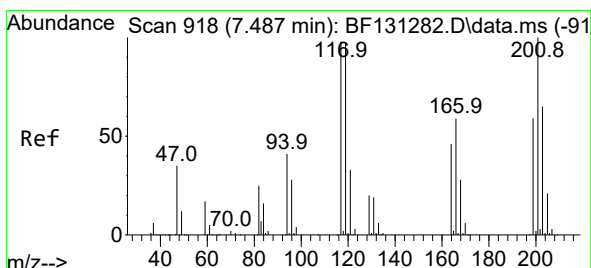
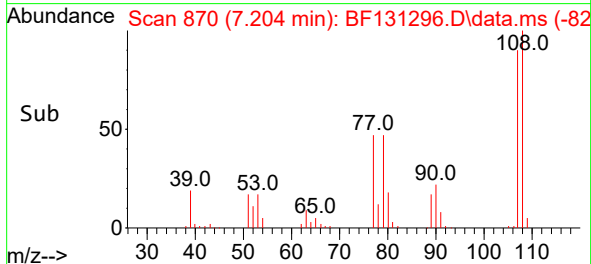
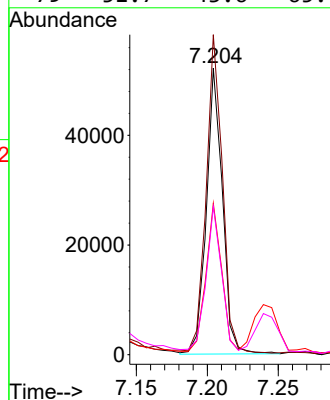
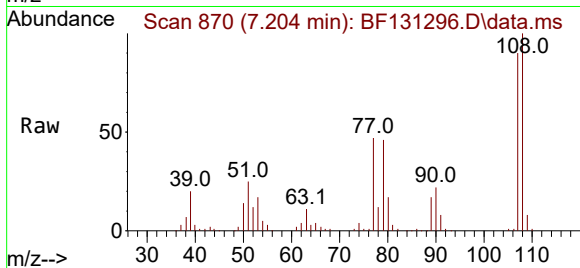




#17
2-Methylphenol
Concen: 10.556 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

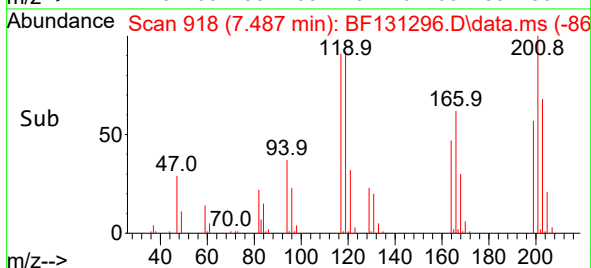
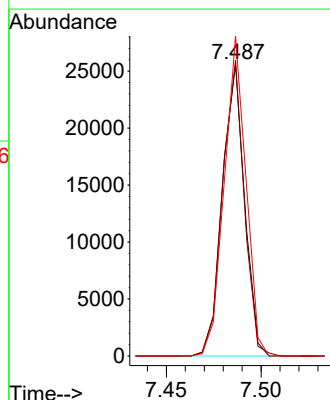
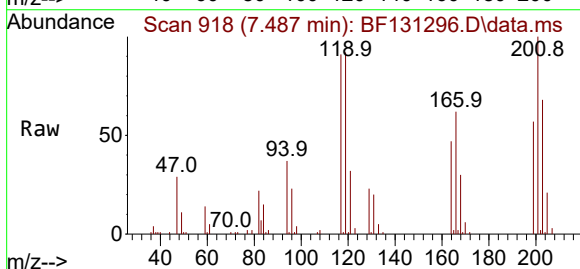
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

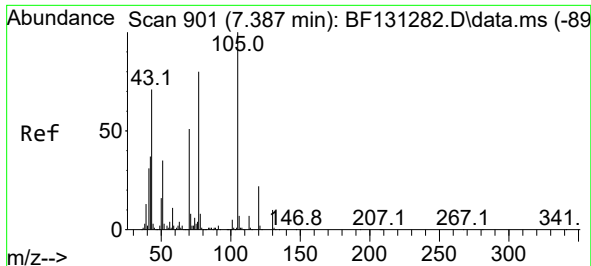
Tgt Ion:	107	Resp:	41222
Ion	Ratio	Lower	Upper
107	100		
108	111.6	89.2	133.8
77	52.8	45.0	67.4
79	51.7	43.6	65.4



#18
Hexachloroethane
Concen: 10.831 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:	117	Resp:	20808
Ion	Ratio	Lower	Upper
117	100		
119	101.4	79.0	118.4
201	109.8	81.7	122.5

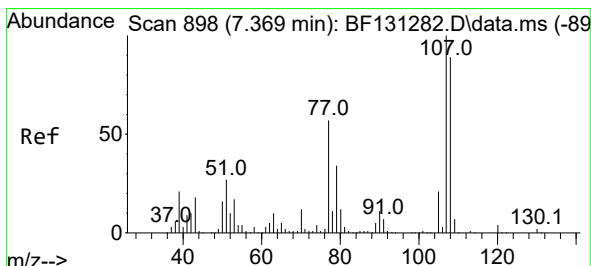
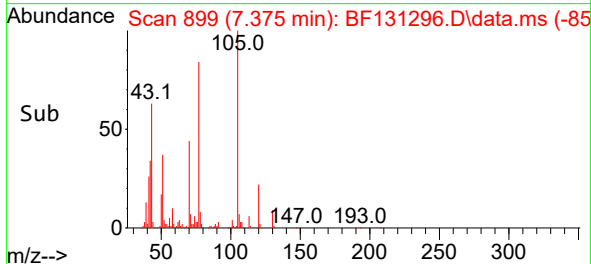
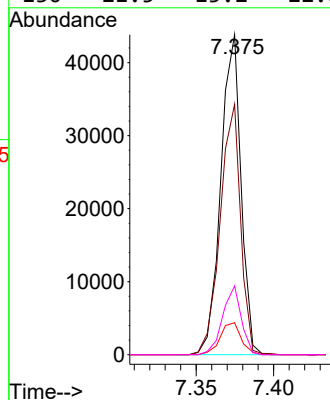
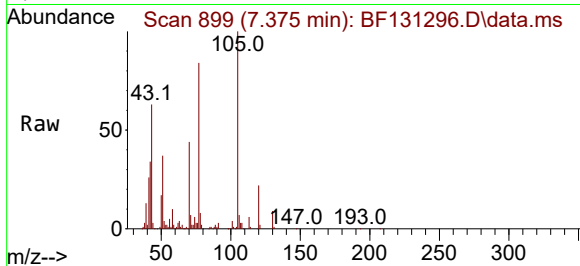




#19
n-Nitroso-di-n-propylamine
Concen: 10.786 ng
RT: 7.375 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

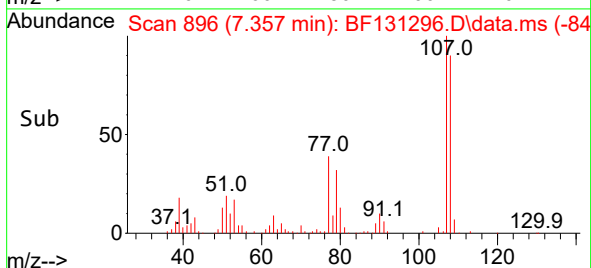
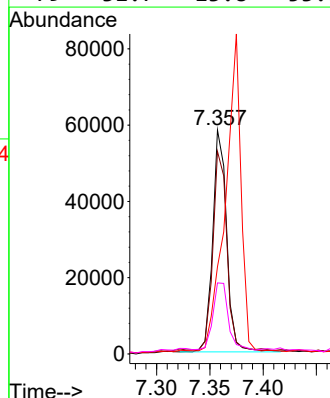
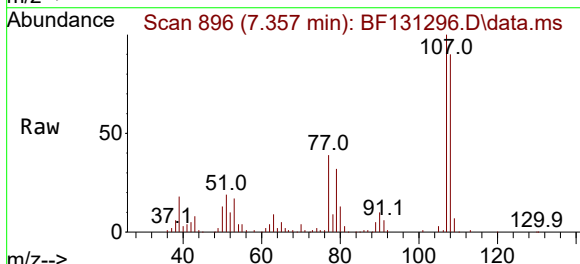
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

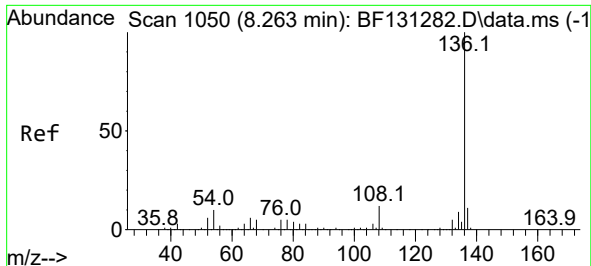
Tgt Ion:	70	Resp:	39686
Ion	Ratio	Lower	Upper
70	100		
42	78.3	58.9	88.3
101	10.0	7.2	10.8
130	21.5	15.2	22.8



#20
3+4-Methylphenols
Concen: 10.651 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:	107	Resp:	53120
Ion	Ratio	Lower	Upper
107	100		
108	90.4	69.0	109.0
77	39.0	36.9	76.9
79	31.7	13.8	53.8

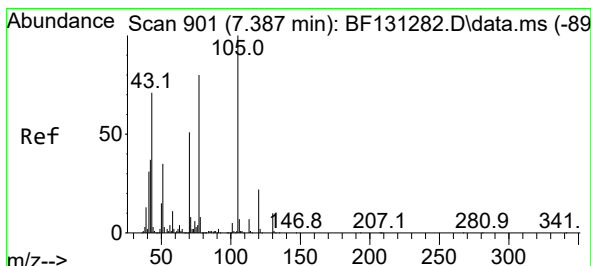
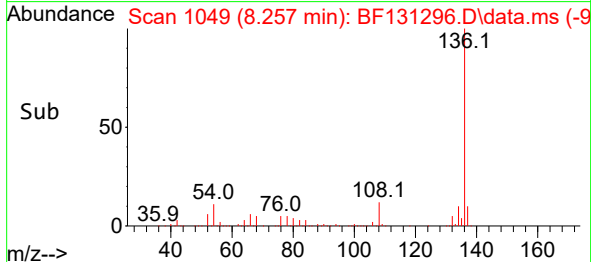
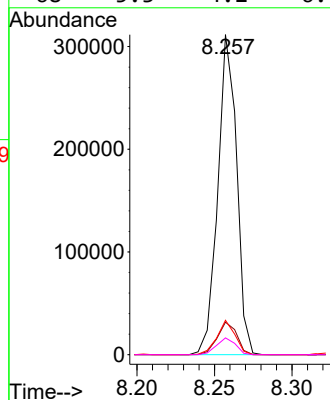
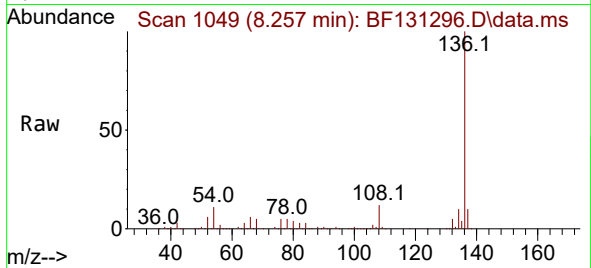




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

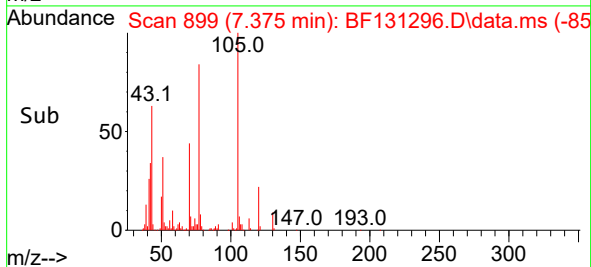
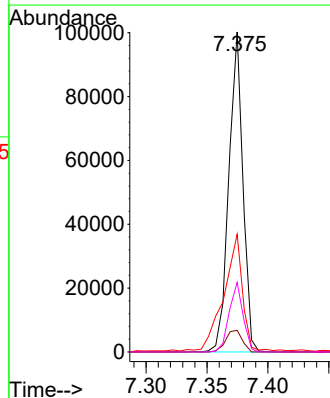
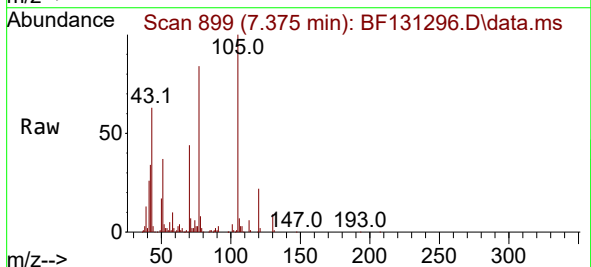
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

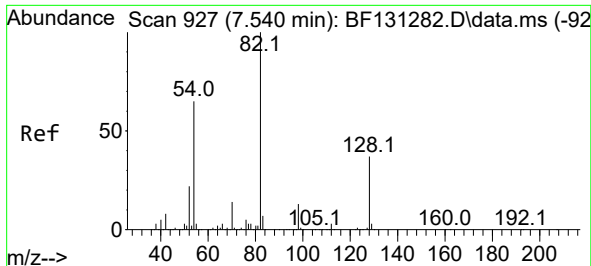
Tgt Ion	136	Resp: Lower	263165 Upper
136	100		
137	10.1	8.6	12.8
54	10.7	8.2	12.2
68	5.3	4.2	6.4



#22
Acetophenone
Concen: 11.615 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:105	Resp: 80769
Ion Ratio	Lower Upper
105 100	
71 6.7	6.4 9.6
51 36.8	28.0 42.0
120 21.7	17.7 26.5

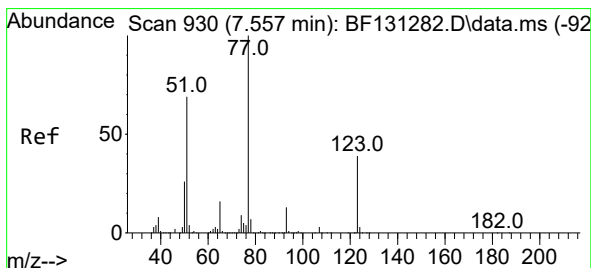
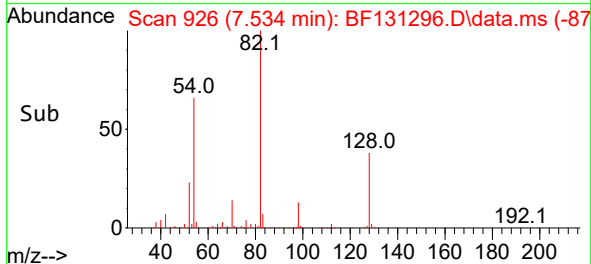
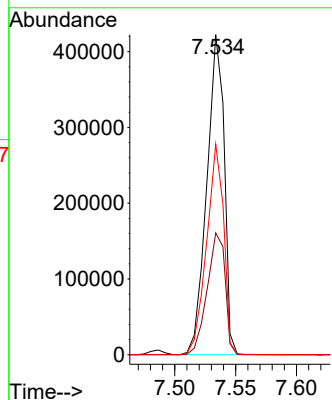
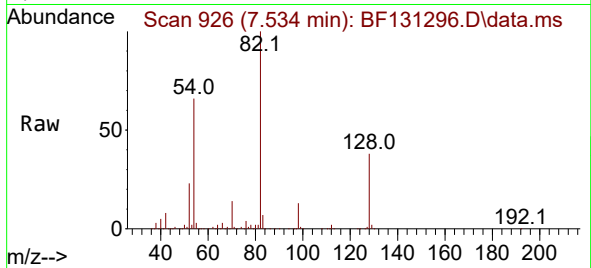




#23
Nitrobenzene-d5
Concen: 85.192 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

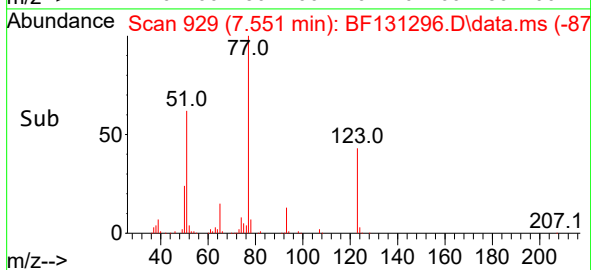
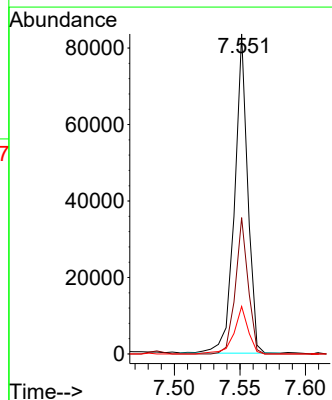
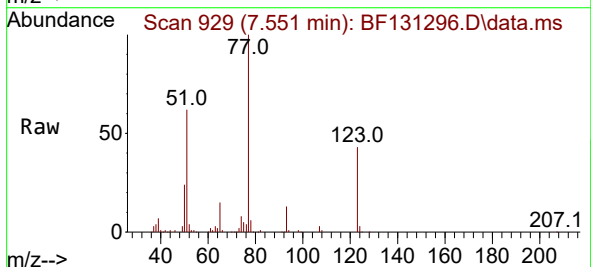
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

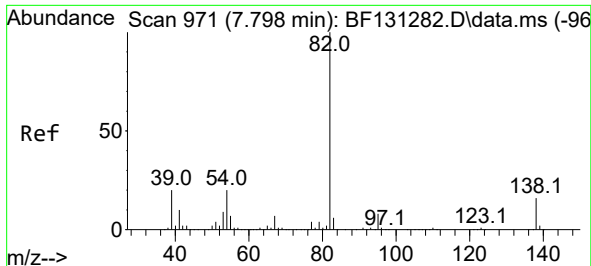
Tgt Ion: 82 Resp: 419704
Ion Ratio Lower Upper
82 100
128 38.1 29.2 43.8
54 65.8 52.2 78.4



#24
Nitrobenzene
Concen: 11.730 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 77 Resp: 58493
Ion Ratio Lower Upper
77 100
123 42.6 31.0 46.6
65 14.9 12.6 19.0

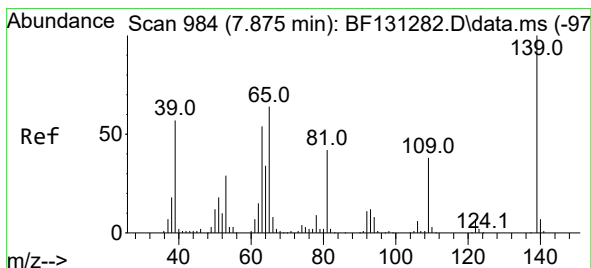
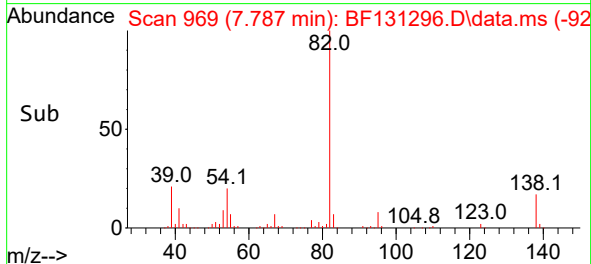
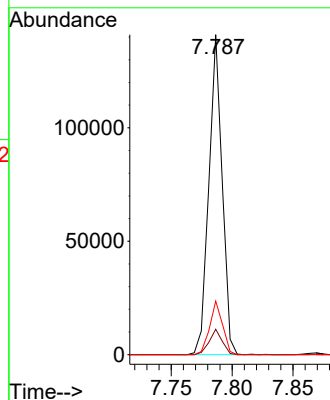
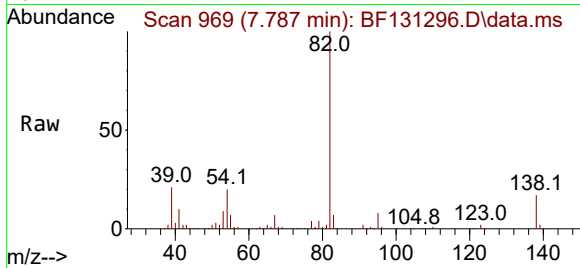




#25
Isophorone
Concen: 11.331 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.011 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

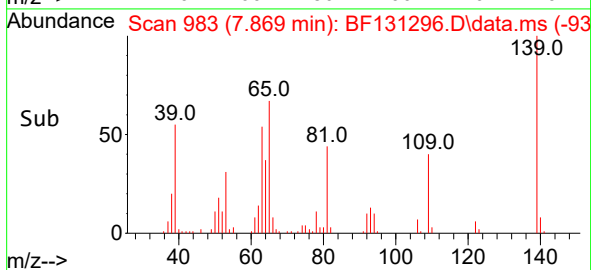
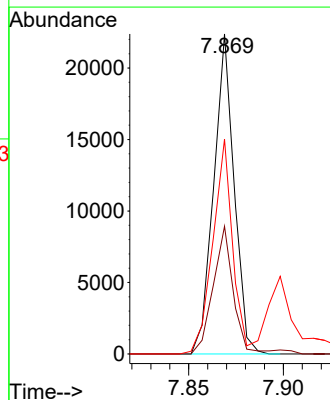
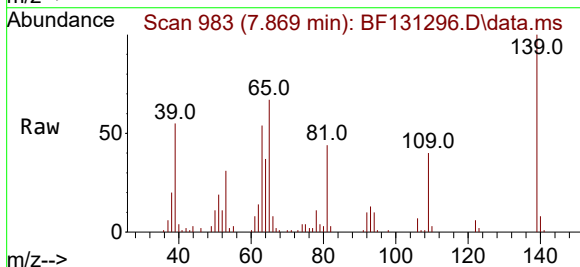
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

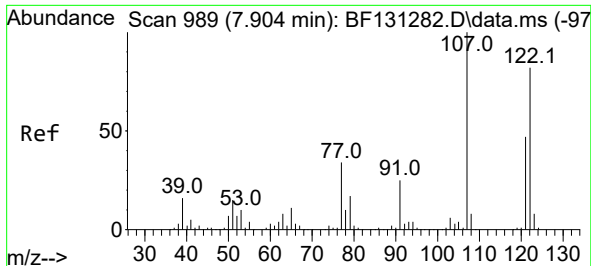
Tgt Ion: 82 Resp: 106579
Ion Ratio Lower Upper
82 100
95 8.0 6.6 9.8
138 16.8 13.0 19.6



#26
2-Nitrophenol
Concen: 10.622 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:139 Resp: 16776
Ion Ratio Lower Upper
139 100
109 39.9 30.4 45.6
65 67.1 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 12.340 ng

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

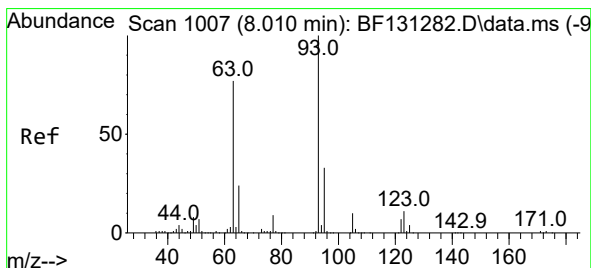
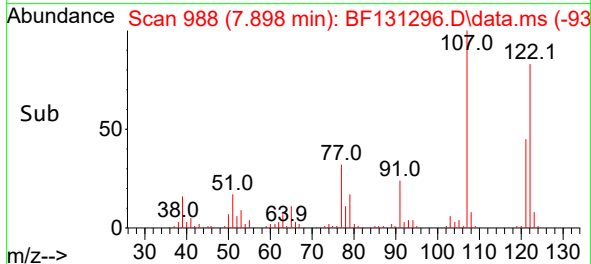
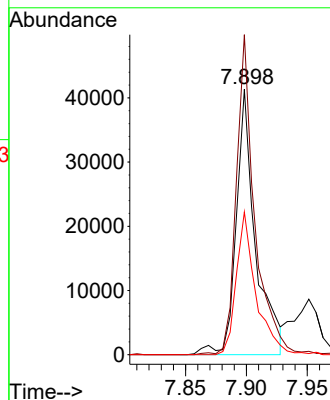
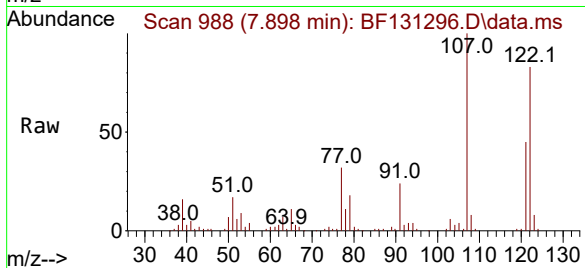
Tgt Ion:122 Resp: 45634

Ion Ratio Lower Upper

122 100

107 120.6 98.2 147.2

121 53.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 12.222 ng

RT: 7.998 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

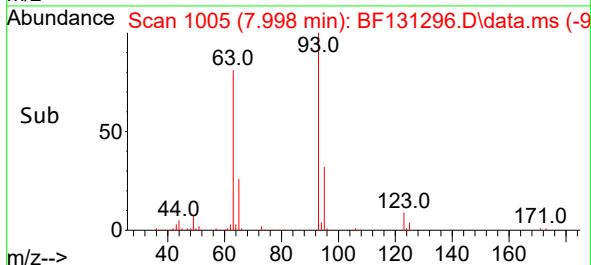
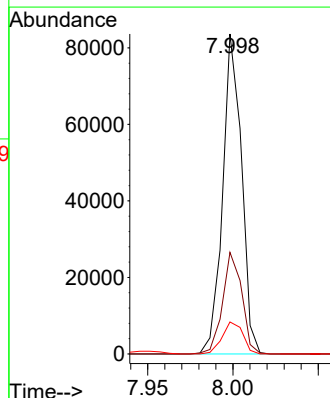
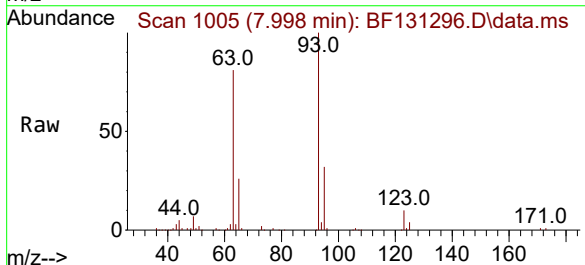
Tgt Ion: 93 Resp: 64212

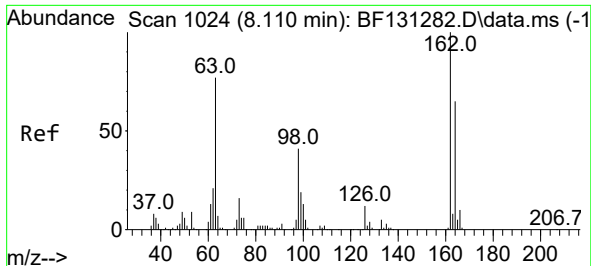
Ion Ratio Lower Upper

93 100

95 31.8 26.4 39.6

123 10.0 9.3 13.9

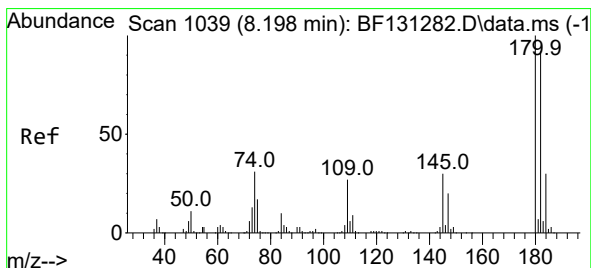
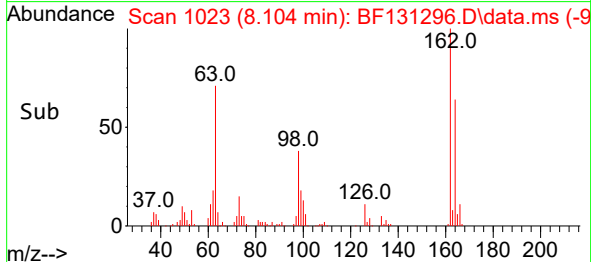
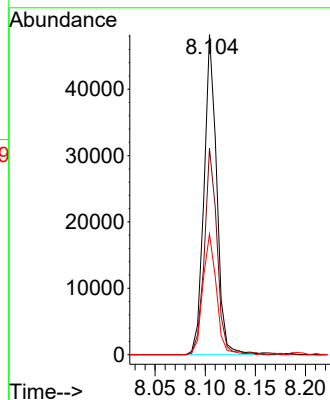
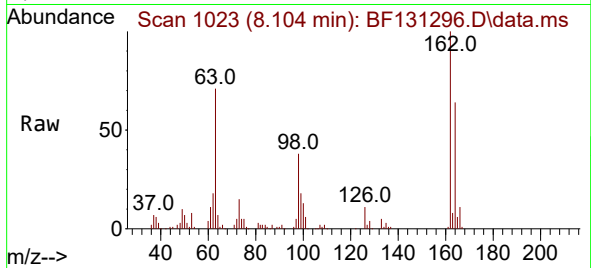




#29
2,4-Dichlorophenol
Concen: 10.828 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

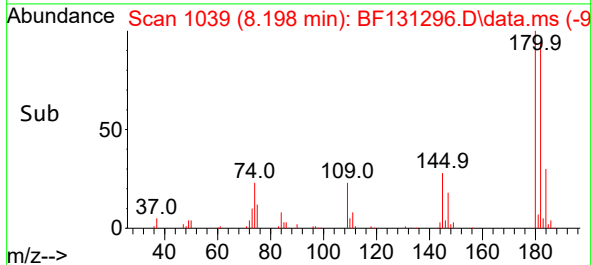
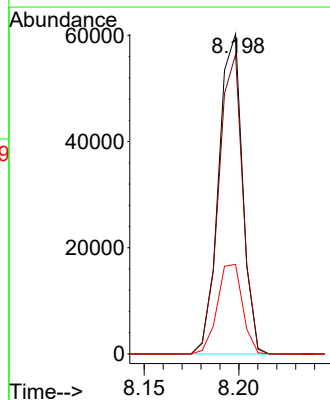
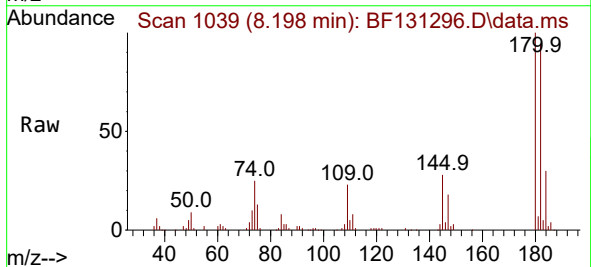
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

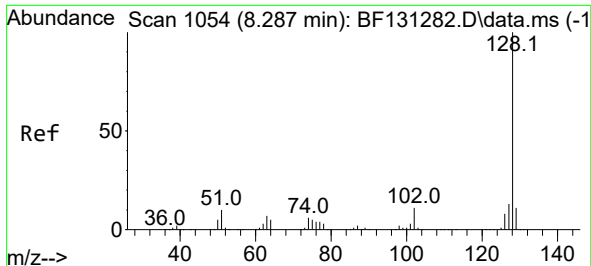
Tgt Ion:162 Resp: 42883
Ion Ratio Lower Upper
162 100
164 64.5 44.7 84.7
98 37.7 21.5 61.5



#30
1,2,4-Trichlorobenzene
Concen: 10.725 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:180 Resp: 52733
Ion Ratio Lower Upper
180 100
182 93.6 74.0 111.0
145 28.0 23.8 35.6

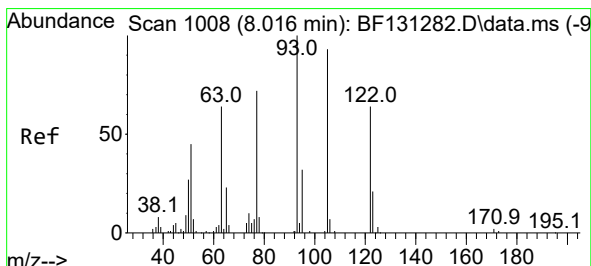
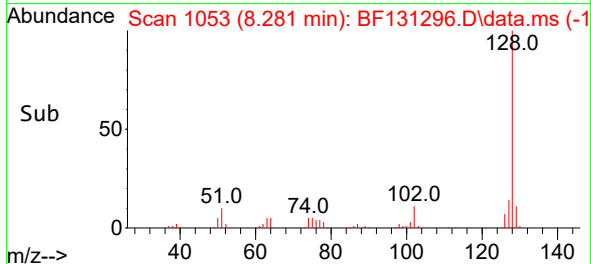
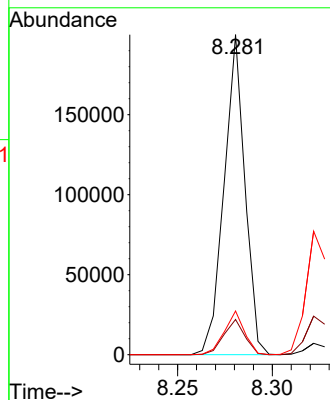
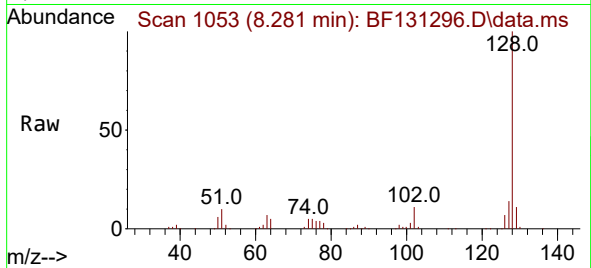




#31
Naphthalene
Concen: 10.740 ng
RT: 8.281 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

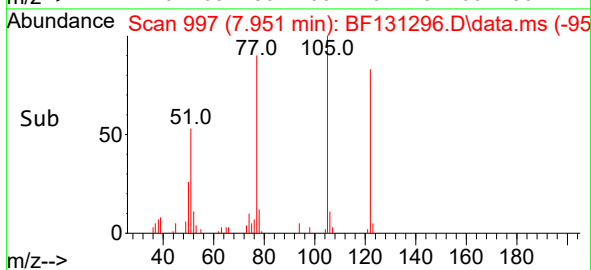
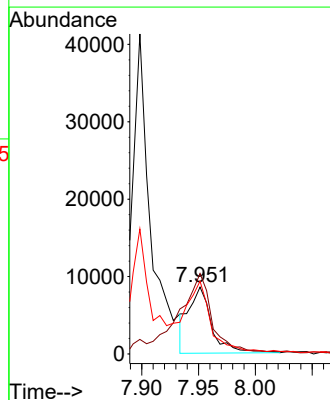
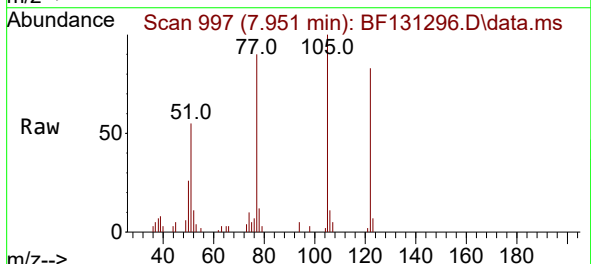
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

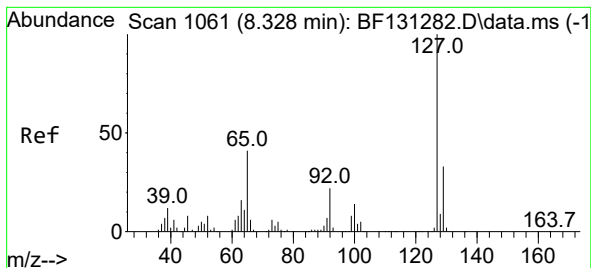
Tgt Ion:128 Resp: 153258
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.6 16.0



#32
Benzoic acid
Concen: 5.417 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.065 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:122 Resp: 11983
Ion Ratio Lower Upper
122 100
105 120.4 121.4 161.4#
77 108.9 91.2 131.2





#33

4-Chloroaniline

Concen: 11.390 ng

RT: 8.322 min Scan# 1060

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:127 Resp: 63136

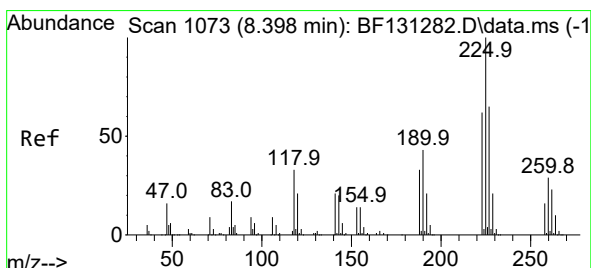
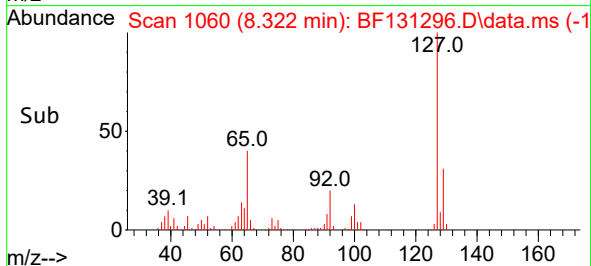
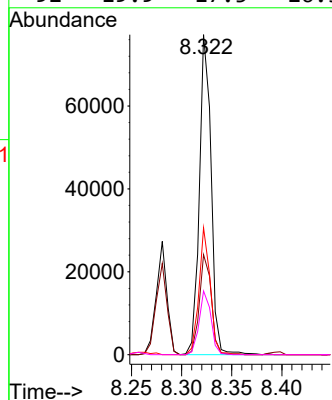
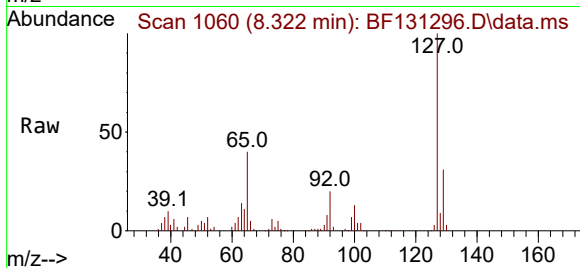
Ion Ratio Lower Upper

127 100

129 31.3 26.6 40.0

65 39.6 33.2 49.8

92 19.9 17.5 26.3



#34

Hexachlorobutadiene

Concen: 10.487 ng

RT: 8.398 min Scan# 1073

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

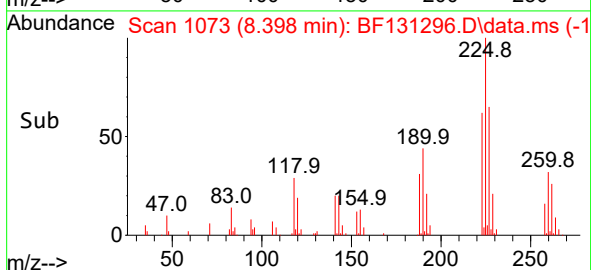
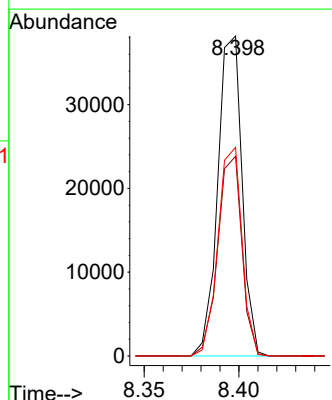
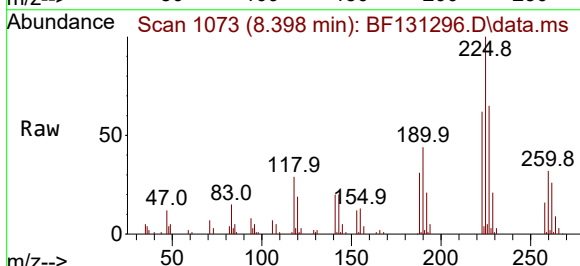
Tgt Ion:225 Resp: 34073

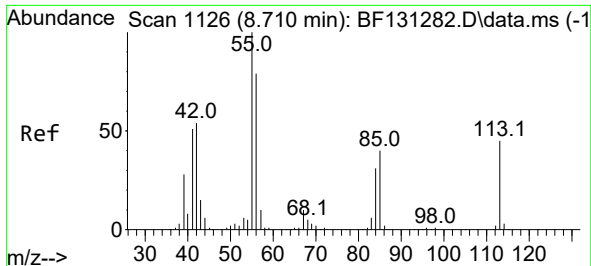
Ion Ratio Lower Upper

225 100

223 62.4 49.4 74.2

227 65.2 51.7 77.5

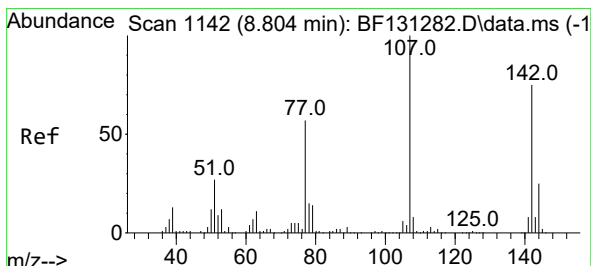
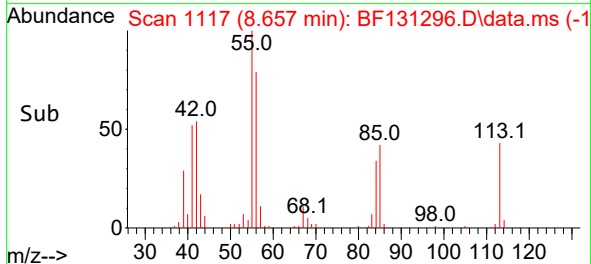
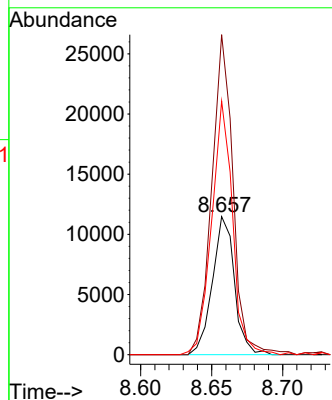
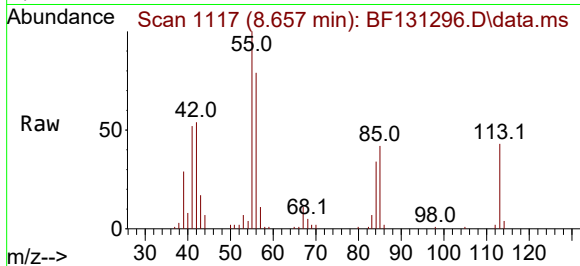




#35
 Caprolactam
 Concen: 11.232 ng
 RT: 8.657 min Scan# 1117
 Delta R.T. -0.053 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

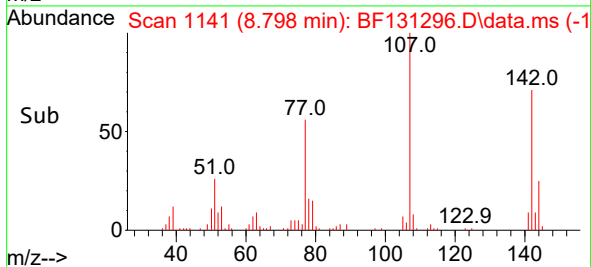
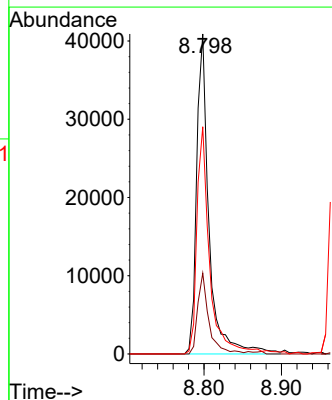
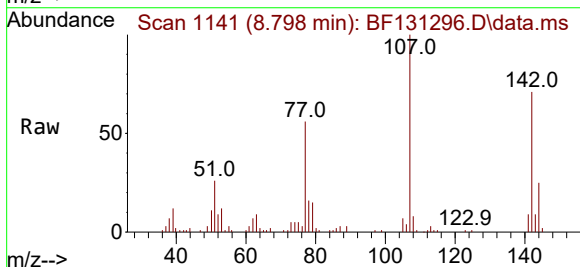
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

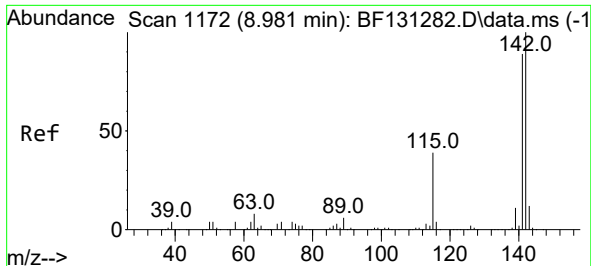
Tgt Ion:113 Resp: 12385
 Ion Ratio Lower Upper
 113 100
 55 231.7 200.6 240.6
 56 183.6 154.5 194.5



#36
 4-Chloro-3-methylphenol
 Concen: 10.629 ng
 RT: 8.798 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

Tgt Ion:107 Resp: 45369
 Ion Ratio Lower Upper
 107 100
 144 25.2 19.6 29.4
 142 71.0 60.1 90.1





#37

2-Methylnaphthalene

Concen: 11.007 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

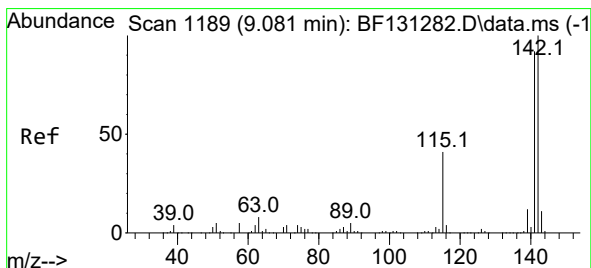
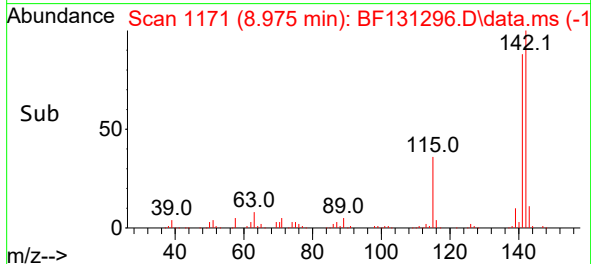
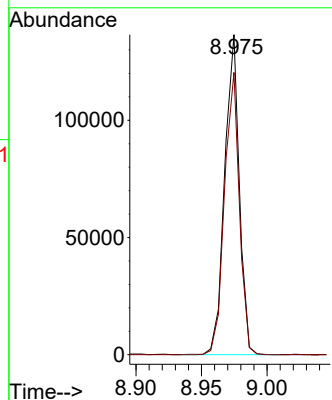
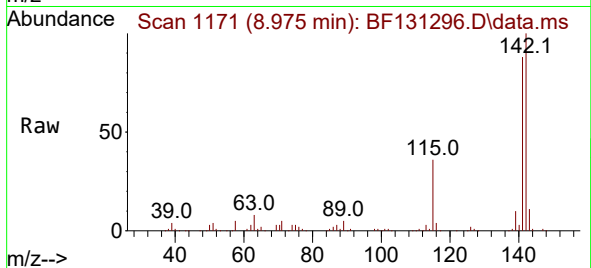
LOQ-SOIL-02-QT4-2022

Tgt Ion:142 Resp: 105858

Ion Ratio Lower Upper

142 100

141 88.2 71.4 107.2



#38

1-Methylnaphthalene

Concen: 10.801 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF131296.D

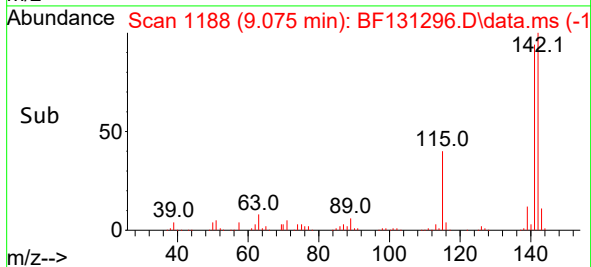
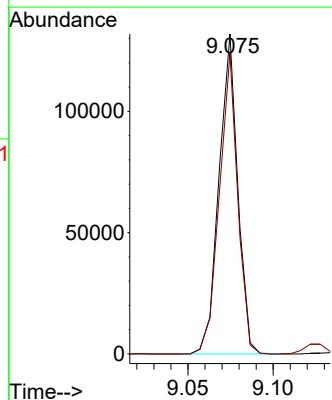
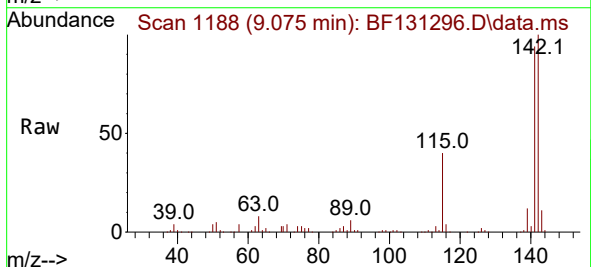
Acq: 18 Nov 2022 13:07

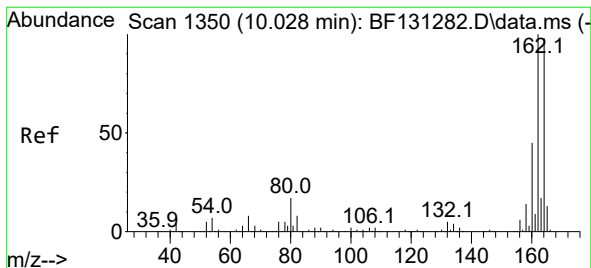
Tgt Ion:142 Resp: 100661

Ion Ratio Lower Upper

142 100

141 94.1 74.0 111.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.022 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

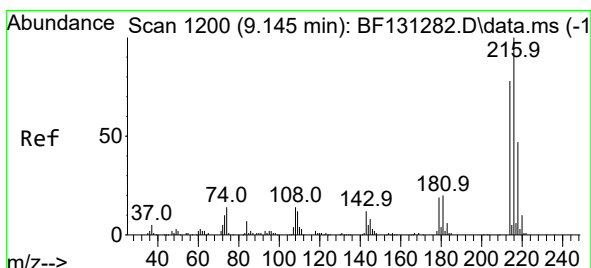
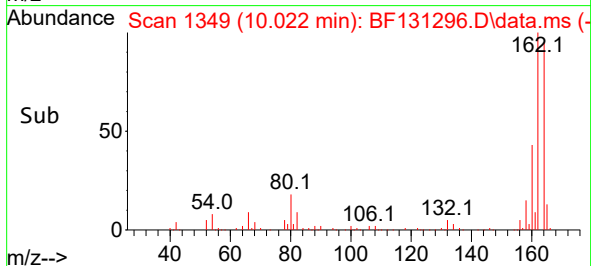
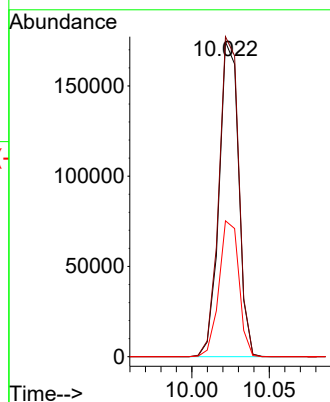
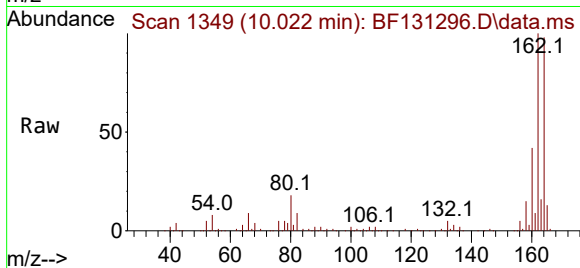
Tgt Ion:164 Resp: 153113

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

160 43.1 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.235 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:216 Resp: 56287

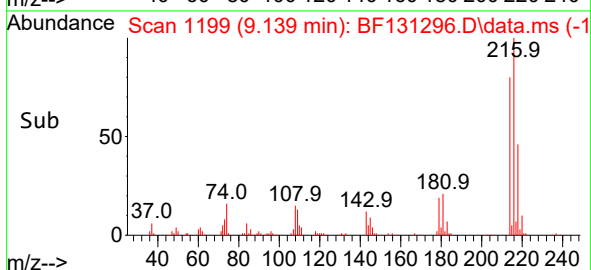
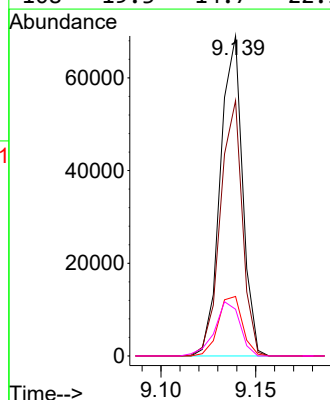
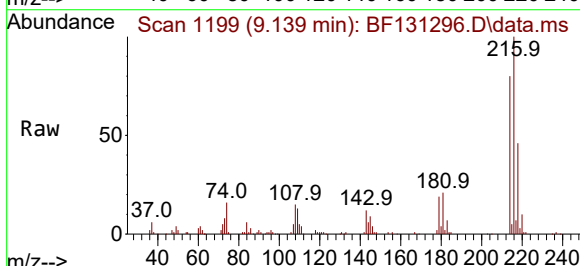
Ion Ratio Lower Upper

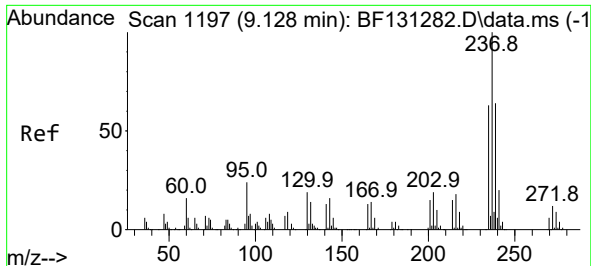
216 100

214 79.2 62.5 93.7

179 20.4 16.7 25.1

108 19.3 14.7 22.1

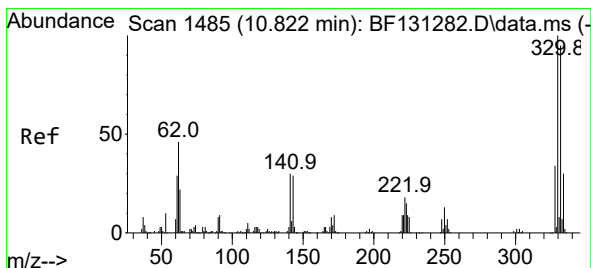
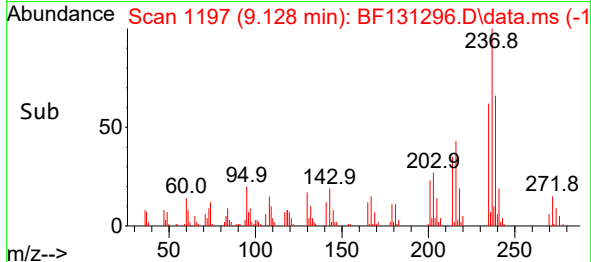
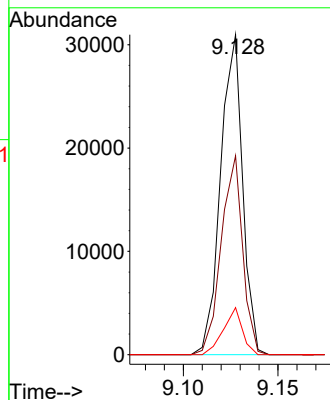
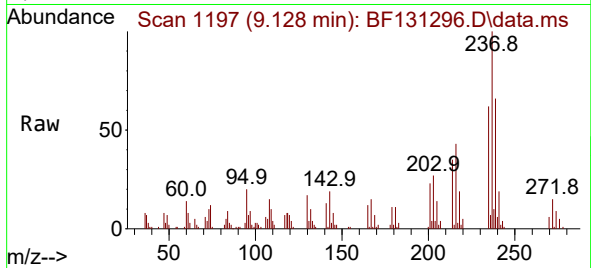




#41
Hexachlorocyclopentadiene
Concen: 11.552 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

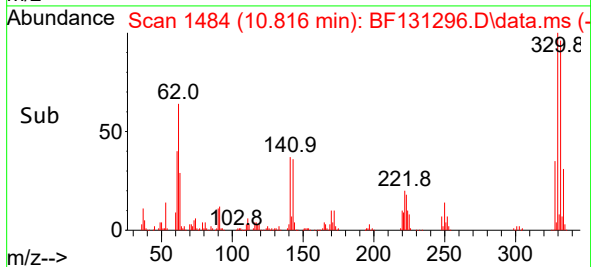
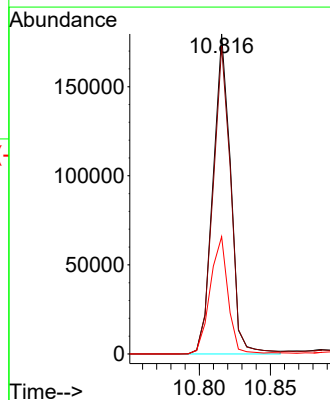
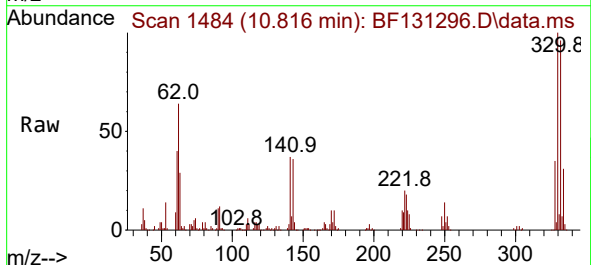
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

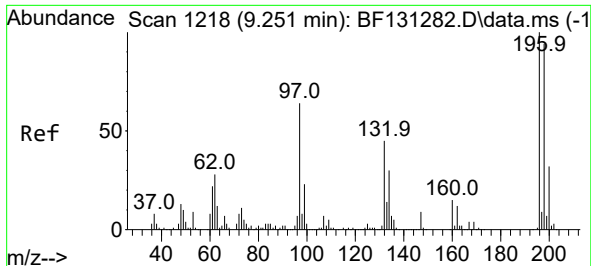
Tgt Ion:237 Resp: 25036
Ion Ratio Lower Upper
237 100
235 62.2 42.7 82.7
272 14.7 0.0 31.6



#42
2,4,6-Tribromophenol
Concen: 113.352 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:330 Resp: 154500
Ion Ratio Lower Upper
330 100
332 97.1 75.4 113.0
141 37.7 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 7.656 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

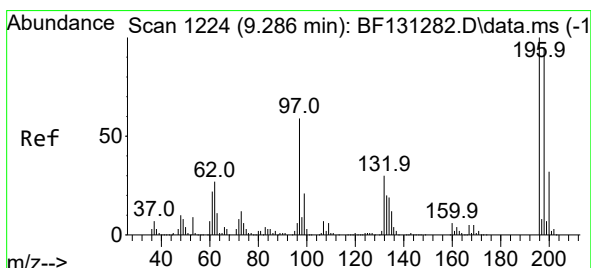
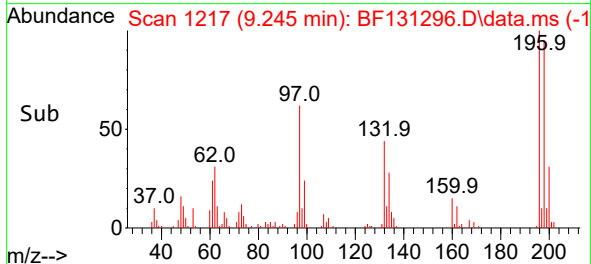
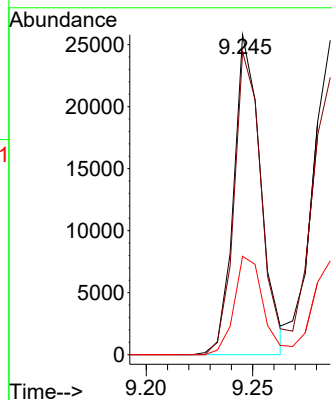
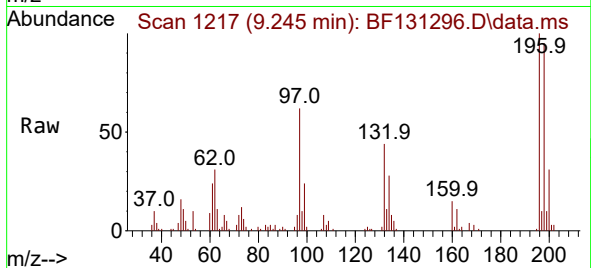
Tgt Ion:196 Resp: 22805

Ion Ratio Lower Upper

196 100

198 94.6 74.8 112.2

200 30.7 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 11.602 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:196 Resp: 37654

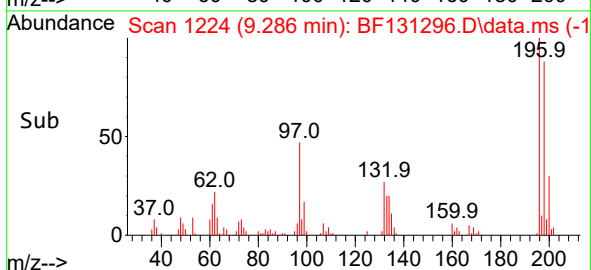
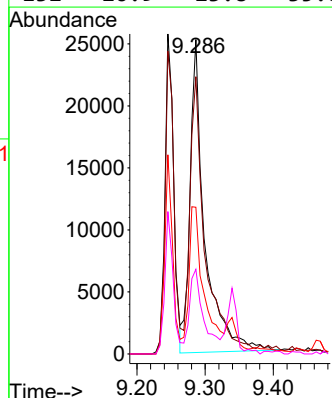
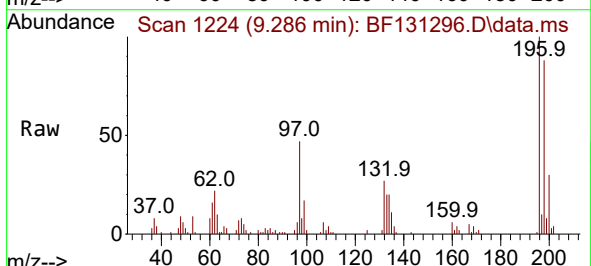
Ion Ratio Lower Upper

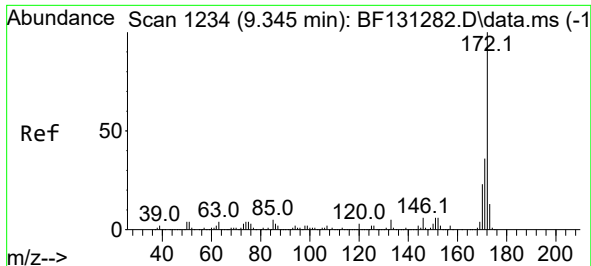
196 100

198 88.2 75.6 113.4

97 46.7 47.4 71.0#

132 26.9 23.8 35.8





#45

2-Fluorobiphenyl

Concen: 79.349 ng

RT: 9.339 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

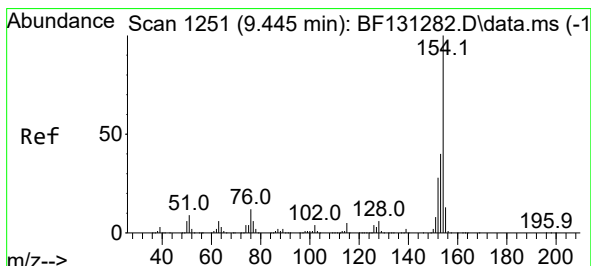
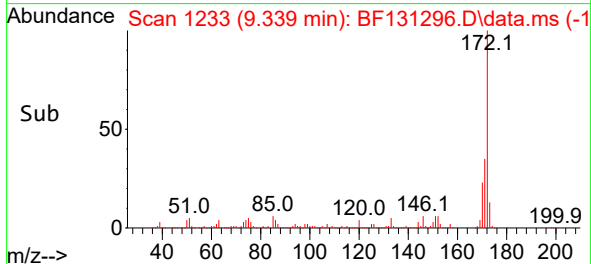
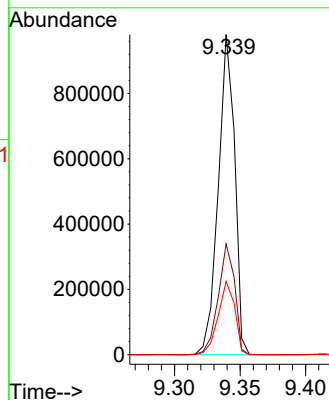
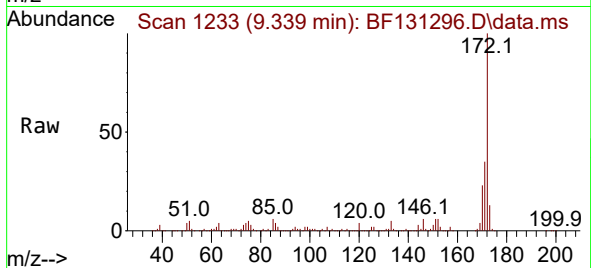
Tgt Ion:172 Resp: 850642

Ion Ratio Lower Upper

172 100

171 34.6 28.5 42.7

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 11.831 ng

RT: 9.439 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

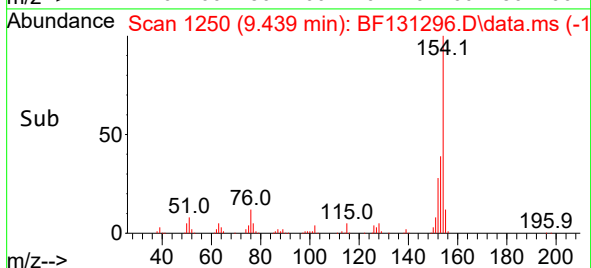
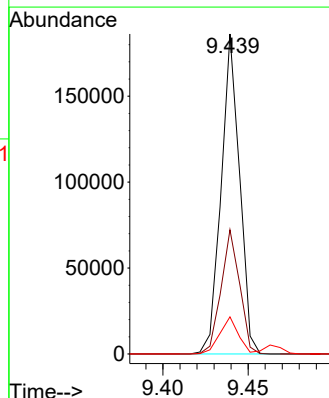
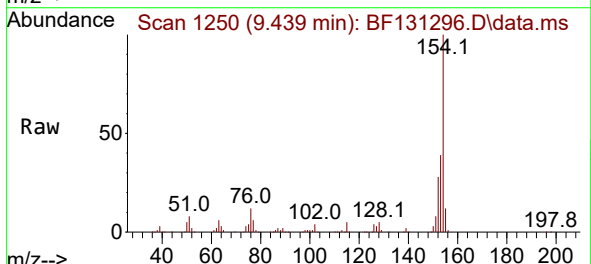
Tgt Ion:154 Resp: 139886

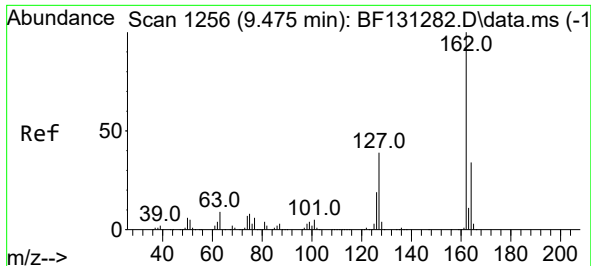
Ion Ratio Lower Upper

154 100

153 38.8 20.1 60.1

76 11.6 0.0 31.8

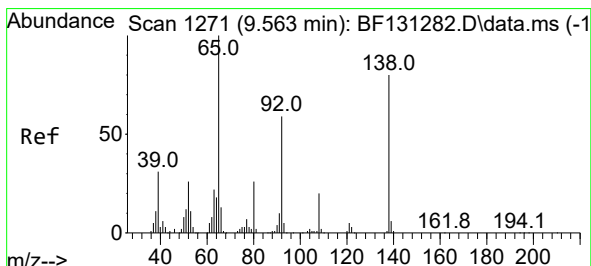
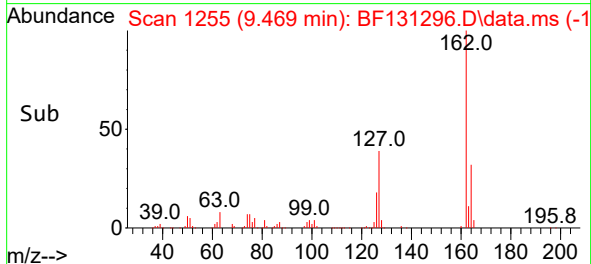
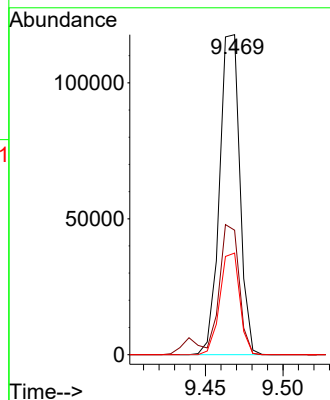
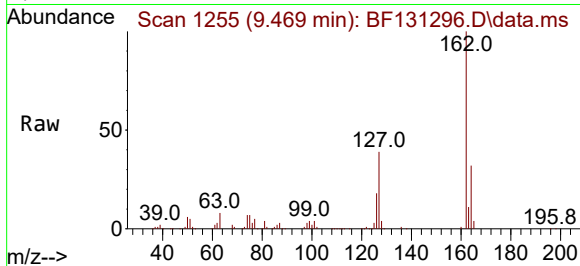




#47
2-Chloronaphthalene
Concen: 11.304 ng
RT: 9.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

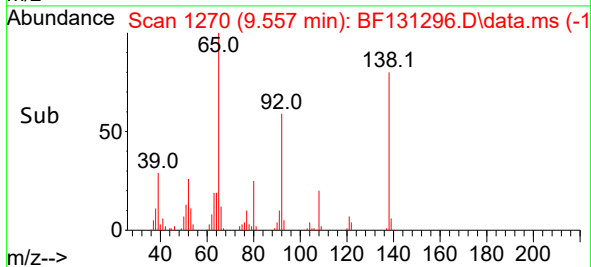
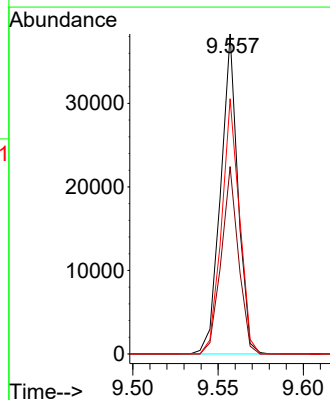
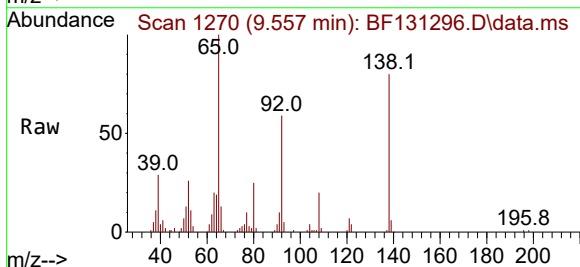
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

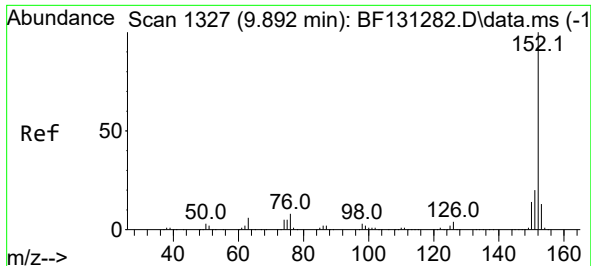
Tgt Ion:162 Resp: 107302
Ion Ratio Lower Upper
162 100
127 38.9 31.1 46.7
164 31.8 26.9 40.3



#48
2-Nitroaniline
Concen: 10.315 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 65 Resp: 27067
Ion Ratio Lower Upper
65 100
92 58.5 47.2 70.8
138 79.8 64.2 96.4





#49

Acenaphthylene

Concen: 11.102 ng

RT: 9.886 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

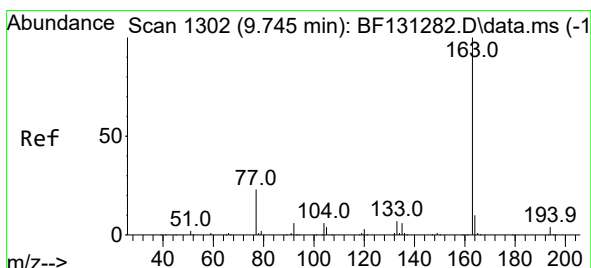
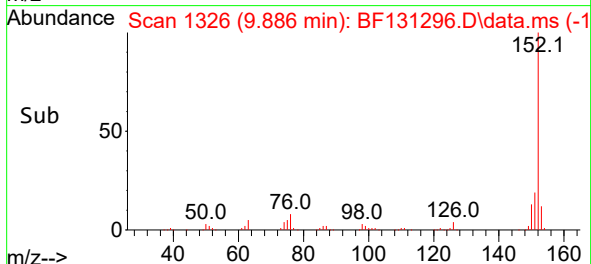
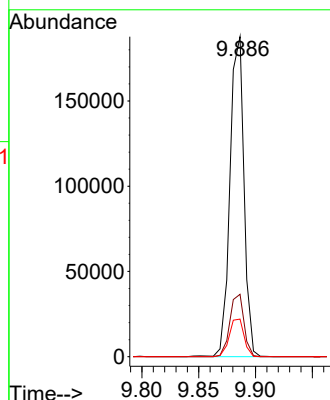
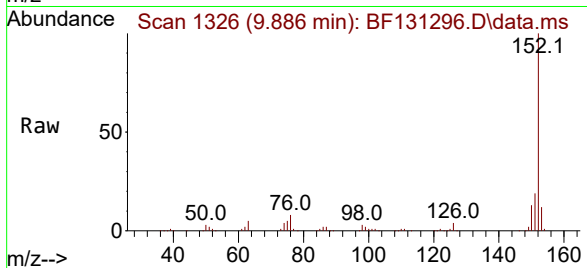
Tgt Ion:152 Resp: 160989

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 11.7 10.4 15.6



#50

Dimethylphthalate

Concen: 11.022 ng

RT: 9.733 min Scan# 1300

Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

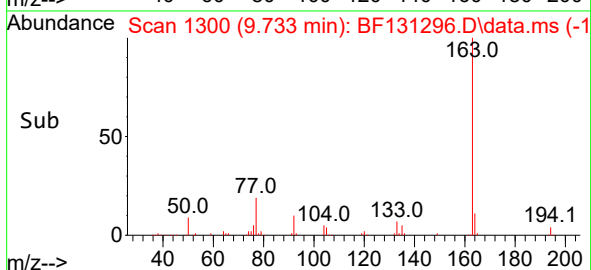
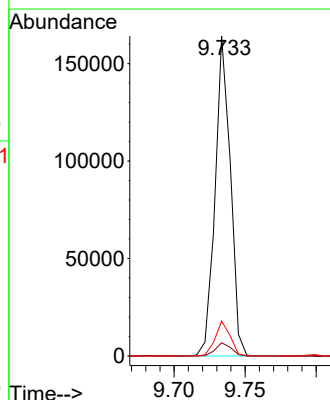
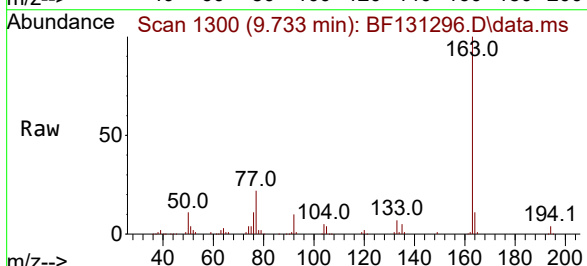
Tgt Ion:163 Resp: 122203

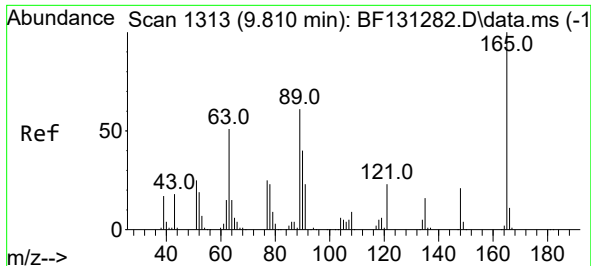
Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 10.9 8.4 12.6

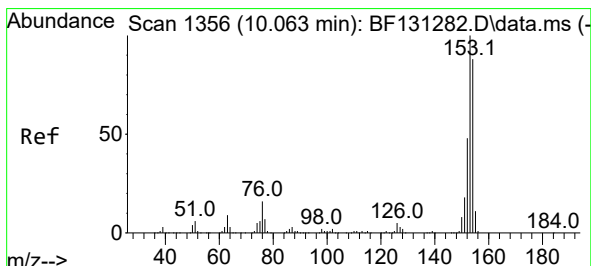
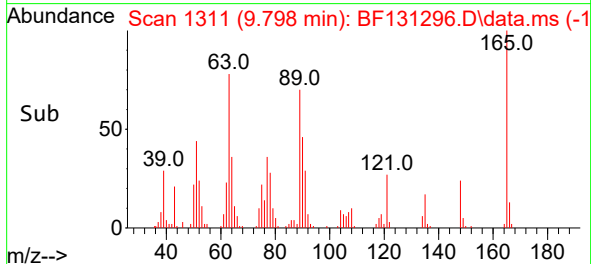
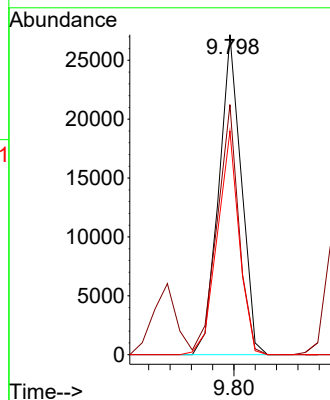
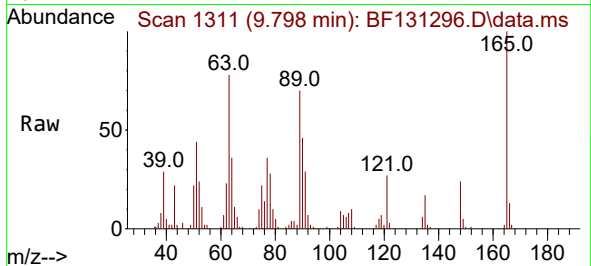




#51
2,6-Dinitrotoluene
Concen: 10.914 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

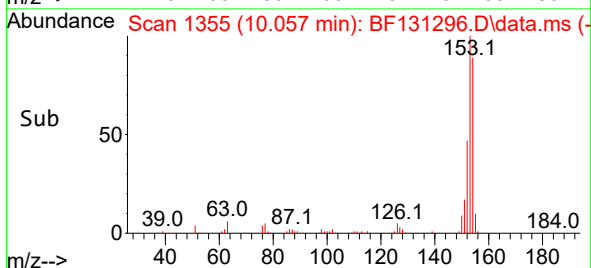
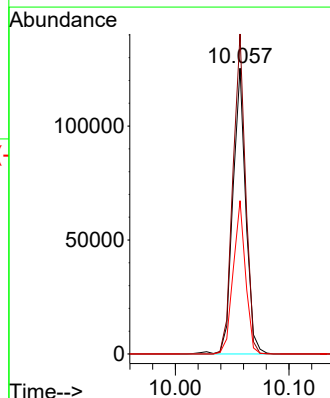
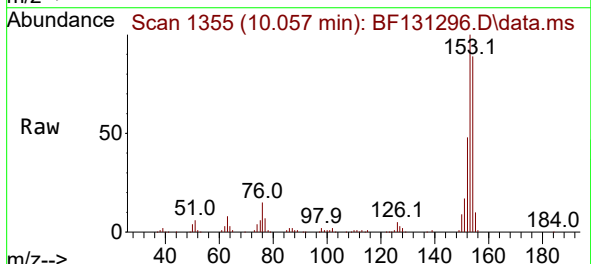
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

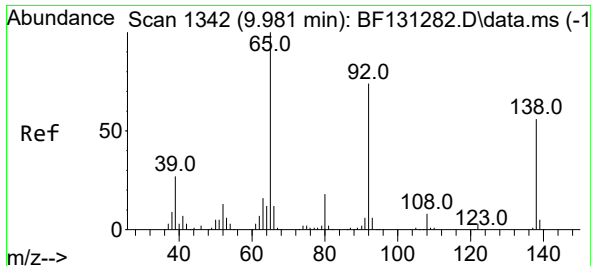
Tgt Ion:165 Resp: 19876
Ion Ratio Lower Upper
165 100
63 78.2 53.3 79.9
89 69.9 49.4 74.0



#52
Acenaphthene
Concen: 10.927 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:154 Resp: 98865
Ion Ratio Lower Upper
154 100
153 112.0 90.7 136.1
152 53.7 43.1 64.7

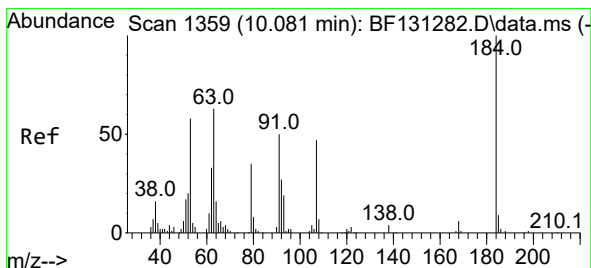
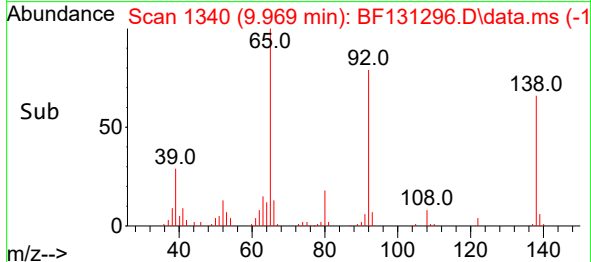
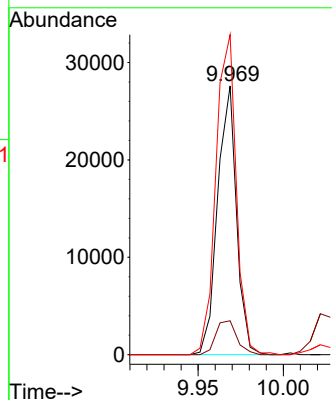
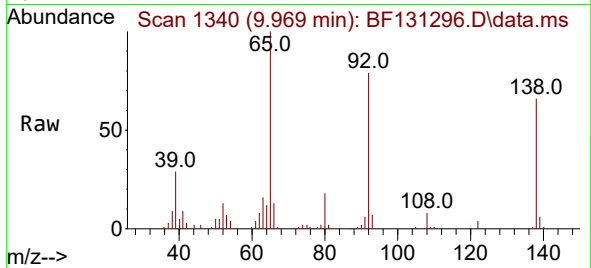




#53
3-Nitroaniline
Concen: 11.046 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

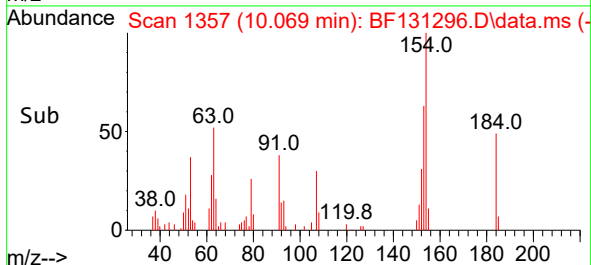
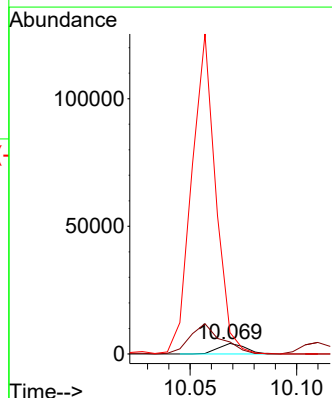
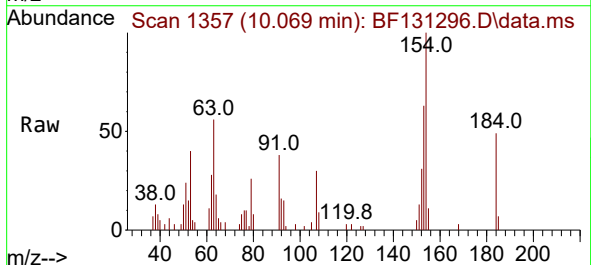
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

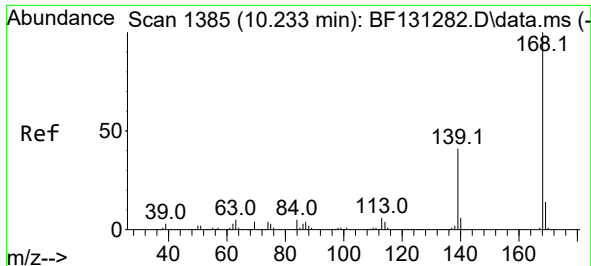
Tgt Ion:138 Resp: 21290
Ion Ratio Lower Upper
138 100
108 12.6 11.1 16.7
92 119.0 105.4 158.2



#54
2,4-Dinitrophenol
Concen: 5.621 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:184 Resp: 3606
Ion Ratio Lower Upper
184 100
63 115.1 64.8 97.2#
154 205.0 58.0 87.0#

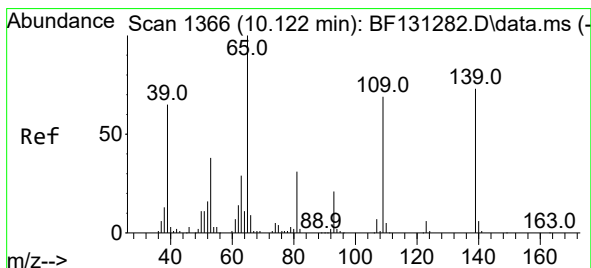
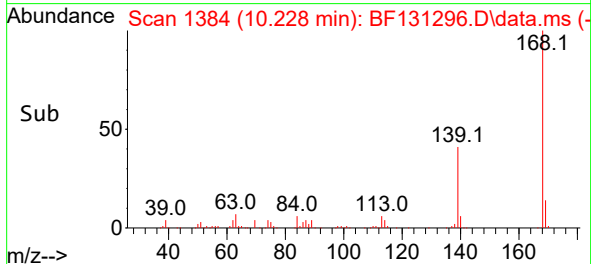
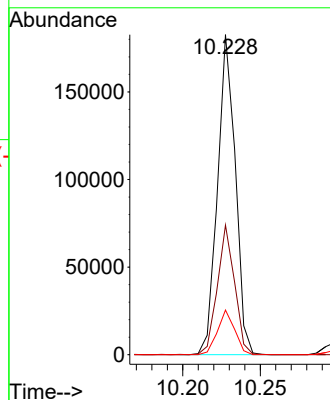
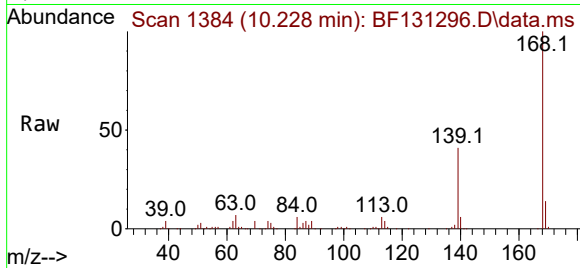




#55
Dibenzofuran
Concen: 11.090 ng
RT: 10.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

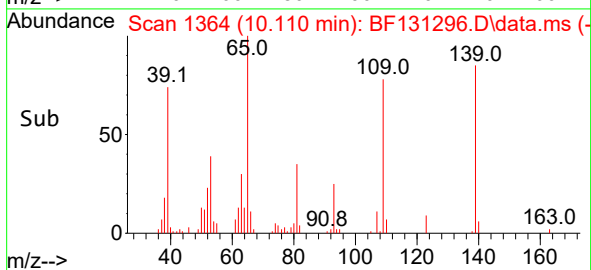
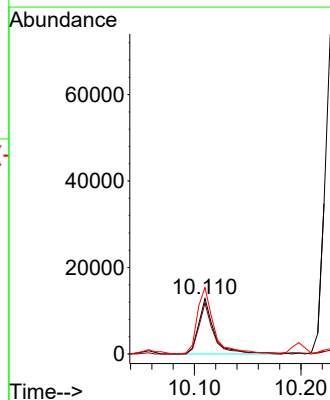
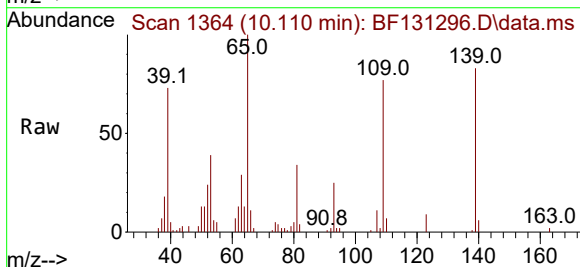
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

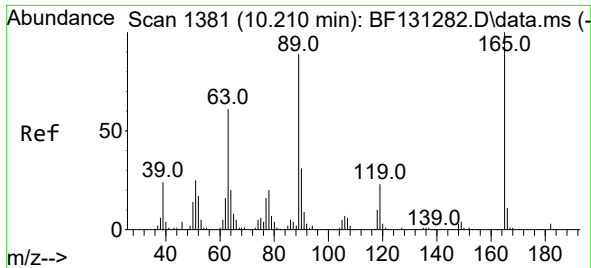
Tgt Ion:168 Resp: 145503
Ion Ratio Lower Upper
168 100
139 40.5 33.2 49.8
169 13.9 11.0 16.4



#56
4-Nitrophenol
Concen: 8.784 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:139 Resp: 12740
Ion Ratio Lower Upper
139 100
109 91.8 74.2 114.2
65 119.8 116.8 156.8

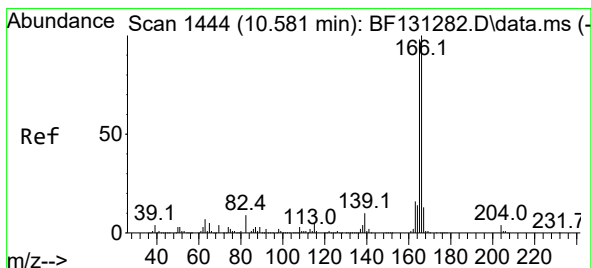
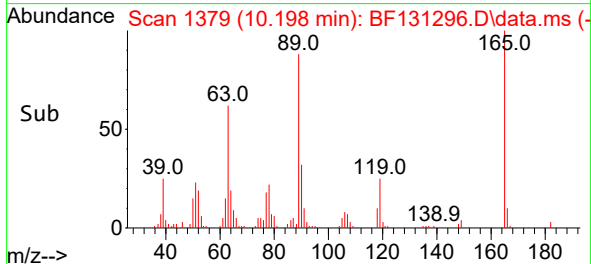
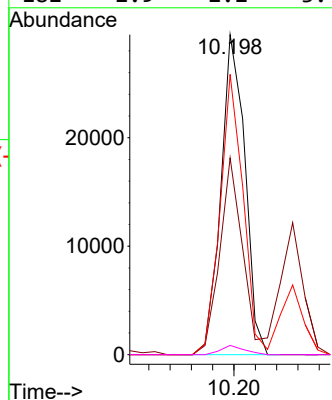
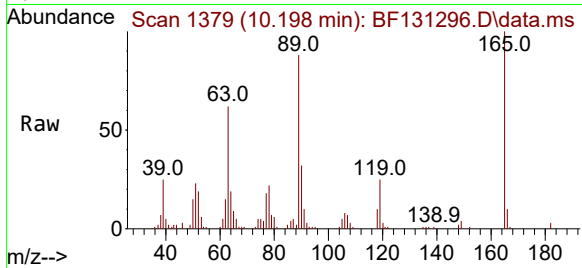




#57
2,4-Dinitrotoluene
Concen: 10.493 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

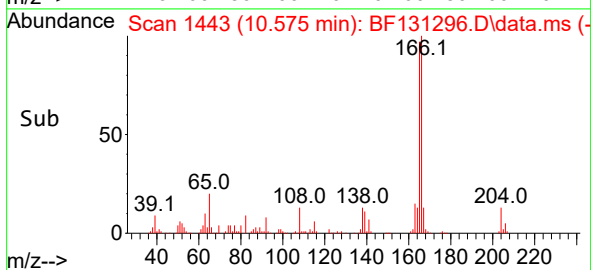
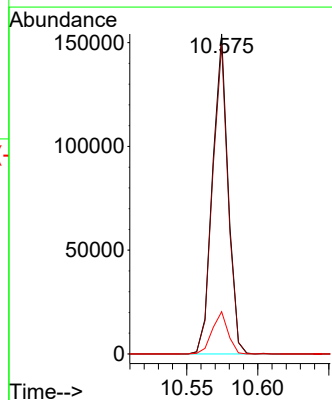
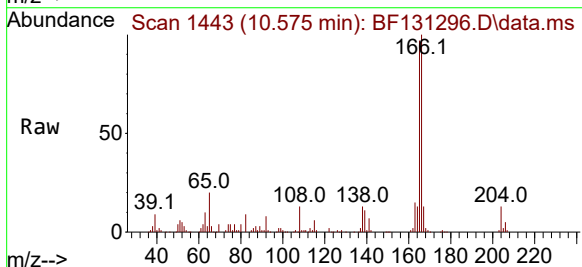
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

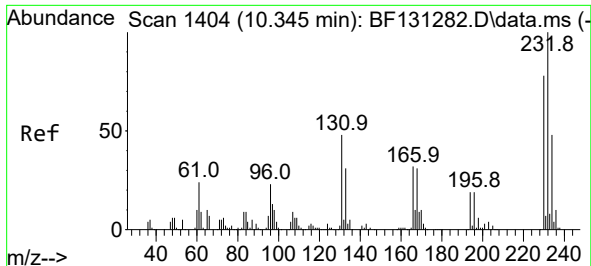
Tgt Ion:	165	Resp:	23107
Ion	Ratio	Lower	Upper
165	100		
63	61.5	49.0	73.6
89	87.6	71.1	106.7
182	2.9	2.2	3.4



#58
Fluorene
Concen: 11.305 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:	166	Resp:	117786
Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.2	117.2
167	13.2	10.6	15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.361 ng

RT: 10.339 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:232 Resp: 25732

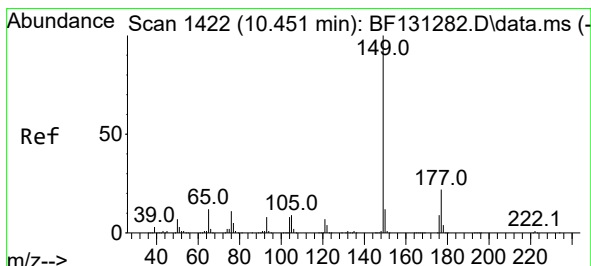
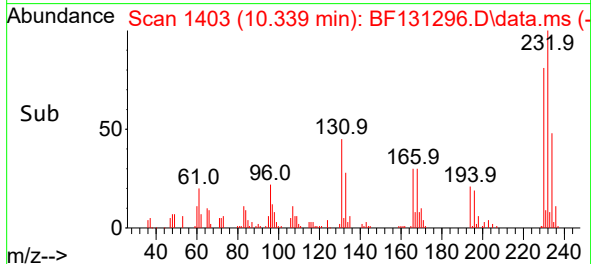
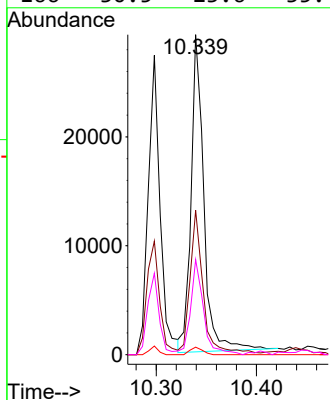
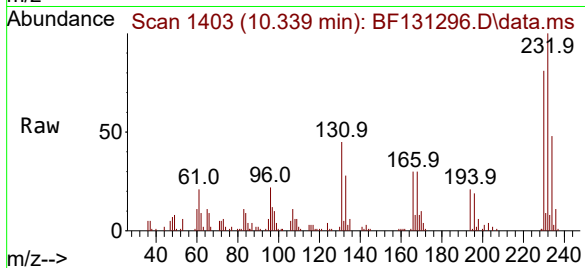
Ion Ratio Lower Upper

232 100

131 47.7 36.0 54.0

130 2.3 1.8 2.6

166 30.5 23.6 35.4



#60

Diethylphthalate

Concen: 11.186 ng

RT: 10.439 min Scan# 1420

Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

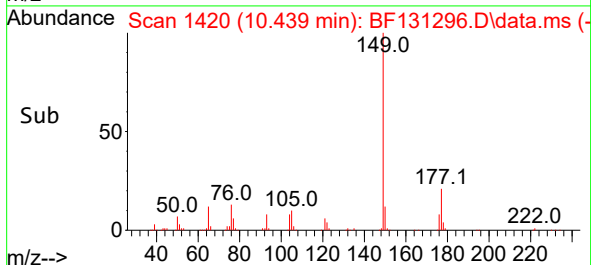
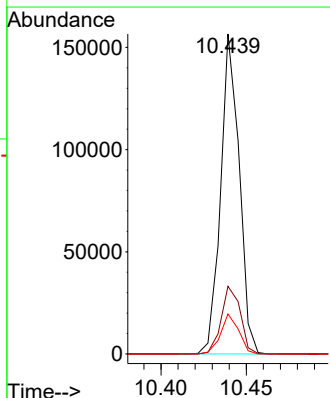
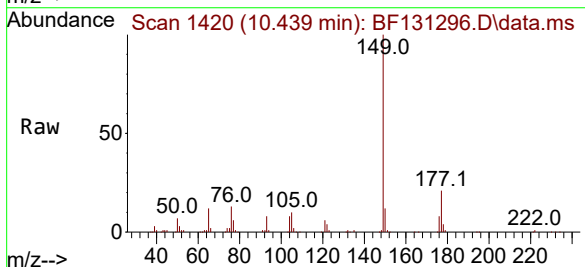
Tgt Ion:149 Resp: 118322

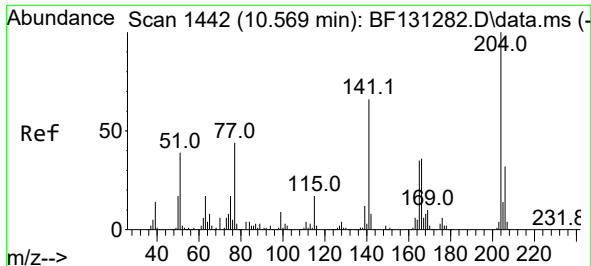
Ion Ratio Lower Upper

149 100

177 21.2 17.9 26.9

150 12.5 9.8 14.6

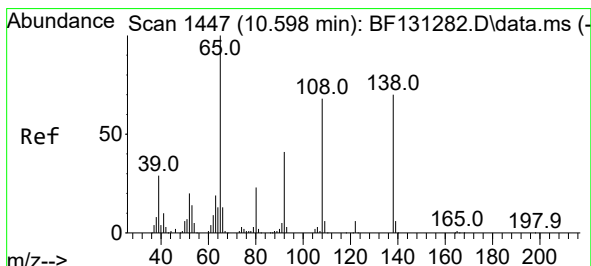
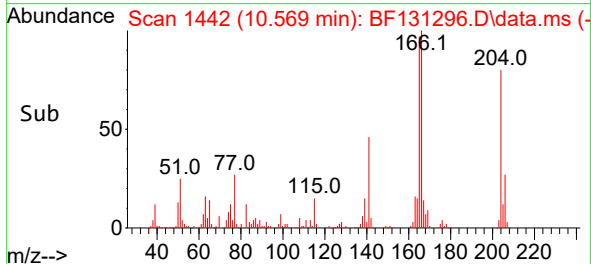
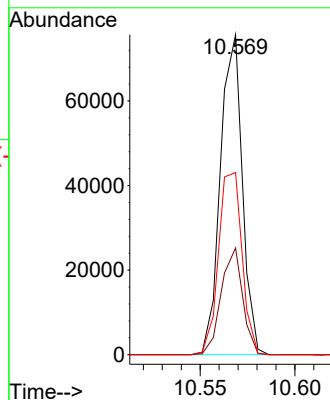
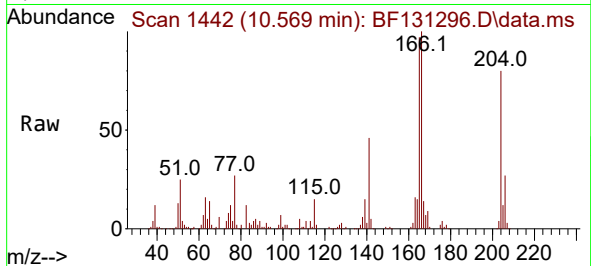




#61
4-Chlorophenyl-phenylether
Concen: 11.529 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

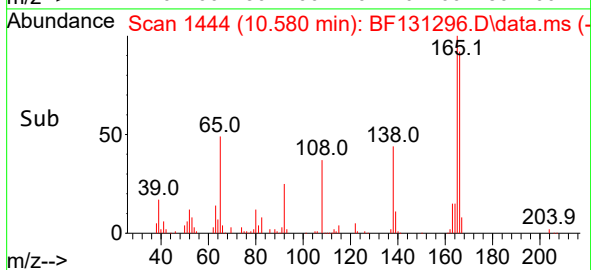
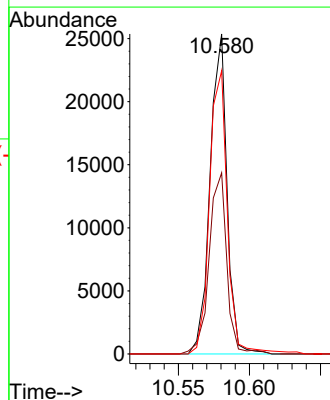
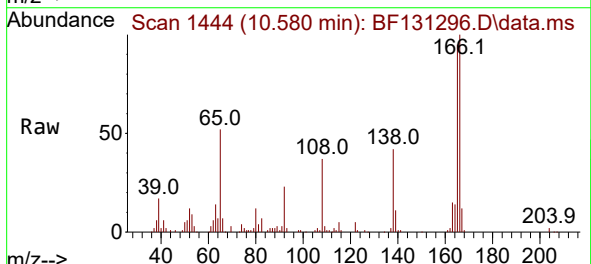
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

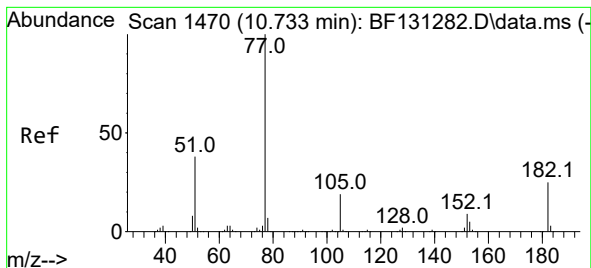
Tgt Ion:204 Resp: 60896
Ion Ratio Lower Upper
204 100
206 33.3 25.7 38.5
141 56.9 53.1 79.7



#62
4-Nitroaniline
Concen: 10.781 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:138 Resp: 21111
Ion Ratio Lower Upper
138 100
92 56.6 37.5 77.5
108 88.5 76.3 116.3





#63

Azobenzene

Concen: 10.961 ng

RT: 10.727 min Scan# 1470

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 77 Resp: 120412

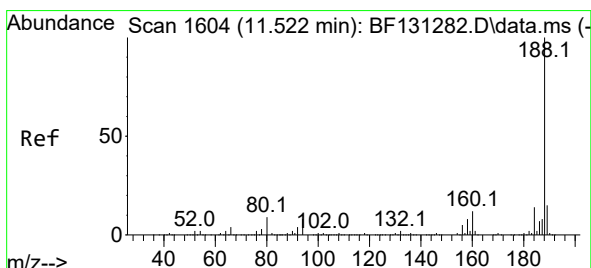
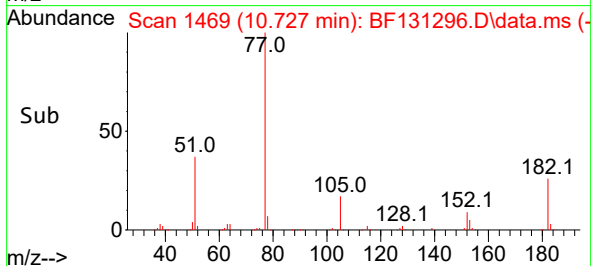
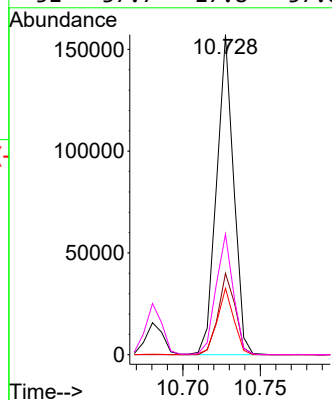
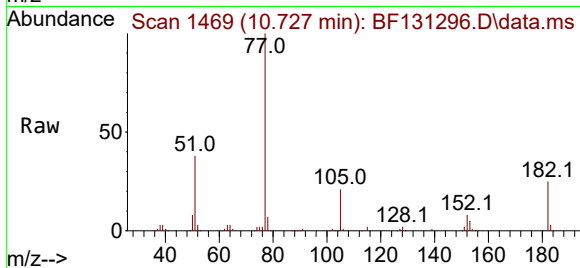
Ion Ratio Lower Upper

77 100

182 25.4 5.0 45.0

105 20.7 0.0 39.5

51 37.7 17.8 57.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

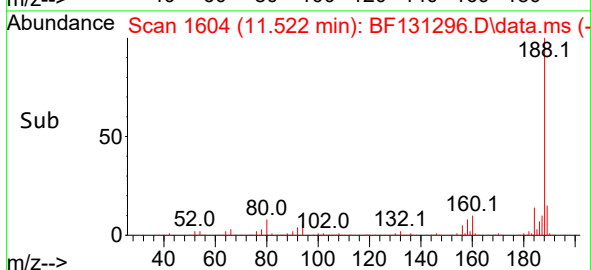
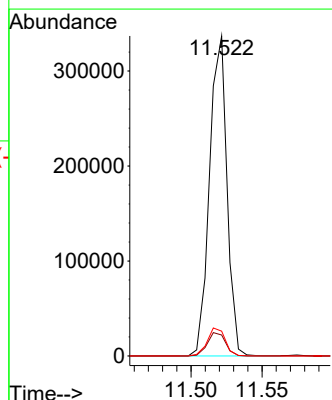
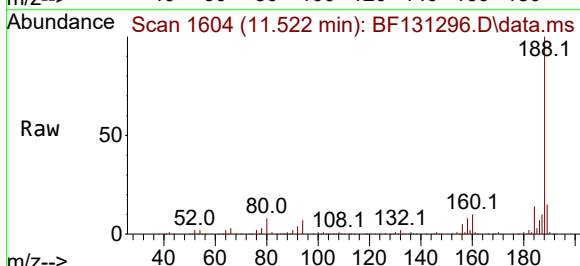
Tgt Ion: 188 Resp: 288789

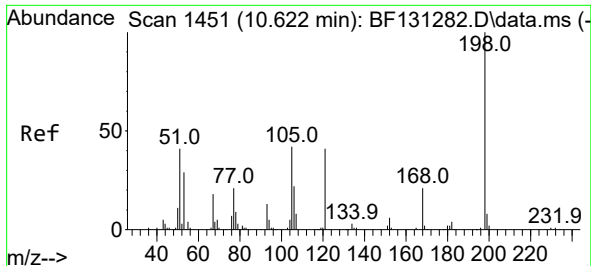
Ion Ratio Lower Upper

188 100

94 6.5 6.5 9.7

80 7.8 7.2 10.8

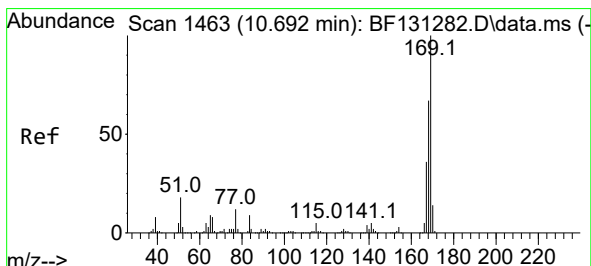
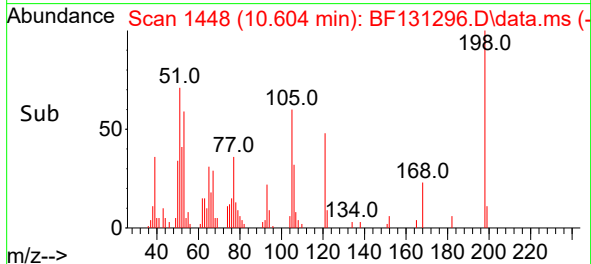
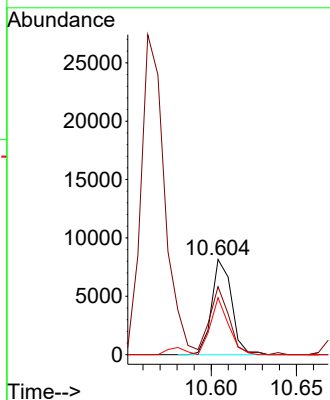
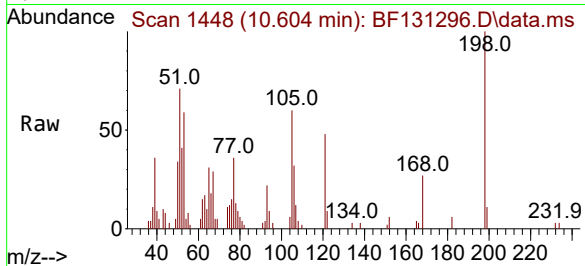




#65
4,6-Dinitro-2-methylphenol
Concen: 6.611 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

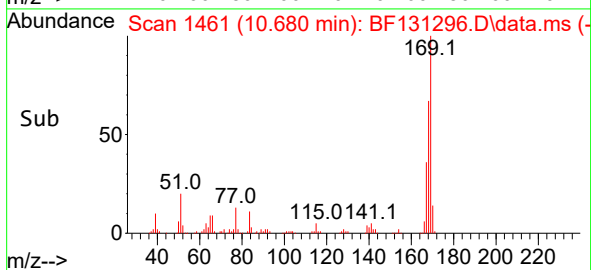
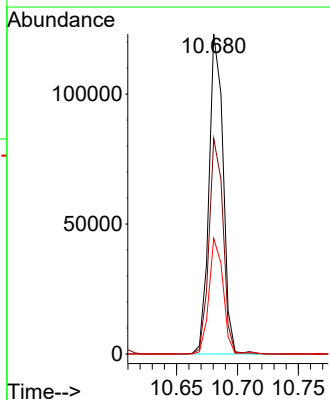
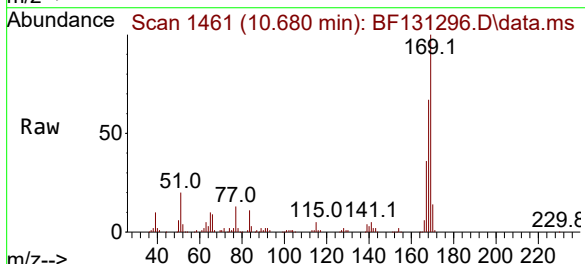
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

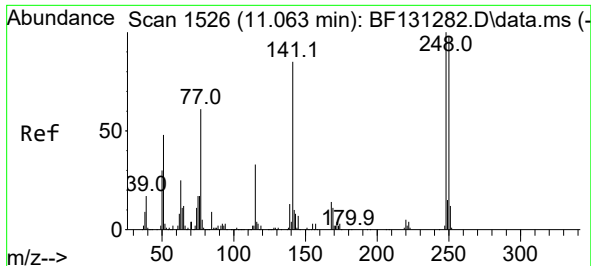
Tgt Ion:198 Resp: 6619
Ion Ratio Lower Upper
198 100
51 71.4 35.7 75.7
105 59.8 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 10.596 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:169 Resp: 98611
Ion Ratio Lower Upper
169 100
168 67.3 53.8 80.6
167 36.1 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 10.789 ng

RT: 11.063 min Scan# 1526

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

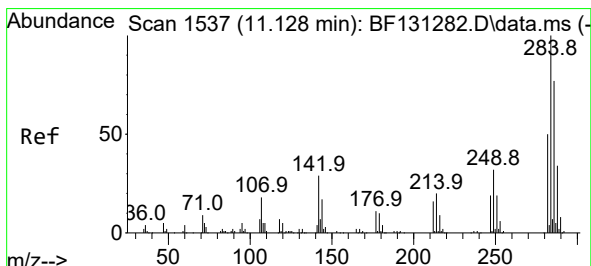
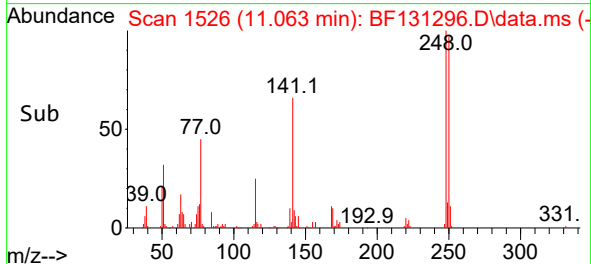
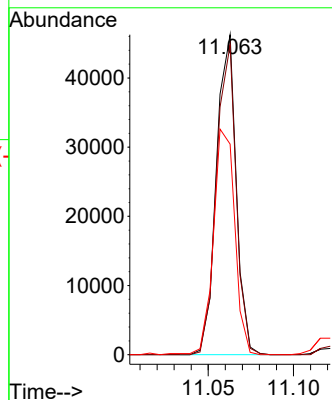
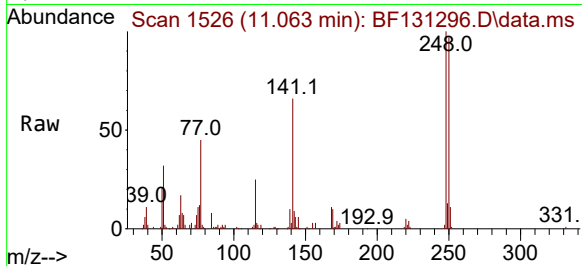
Tgt Ion:248 Resp: 37387

Ion Ratio Lower Upper

248 100

250 96.9 78.3 117.5

141 65.8 67.6 101.4#



#68

Hexachlorobenzene

Concen: 10.691 ng

RT: 11.122 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

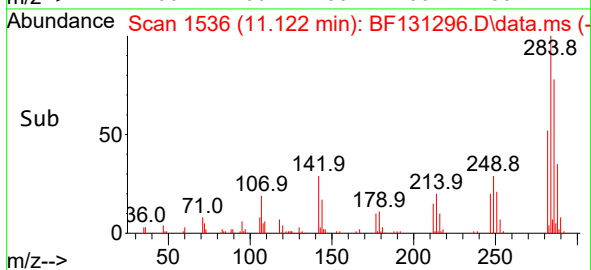
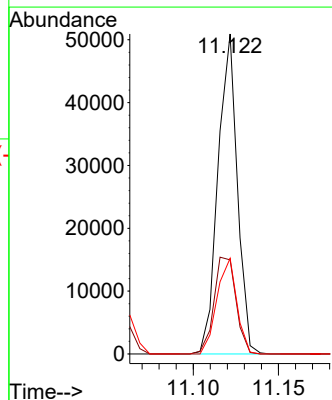
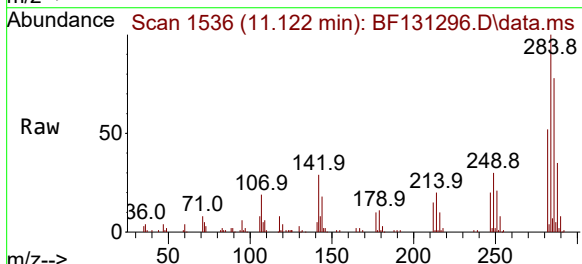
Tgt Ion:284 Resp: 40196

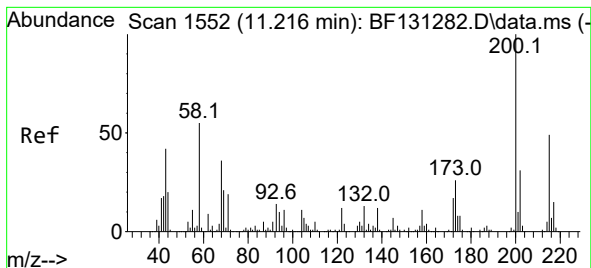
Ion Ratio Lower Upper

284 100

142 29.4 23.4 35.2

249 29.9 25.7 38.5





#69

Atrazine

Concen: 12.012 ng

RT: 11.204 min Scan# 1550

Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

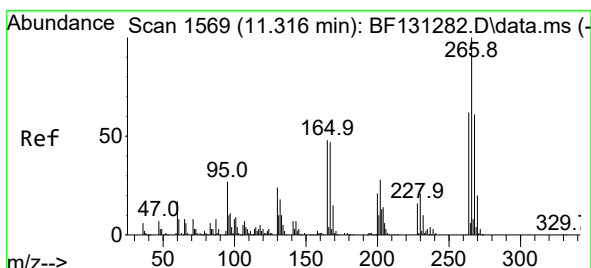
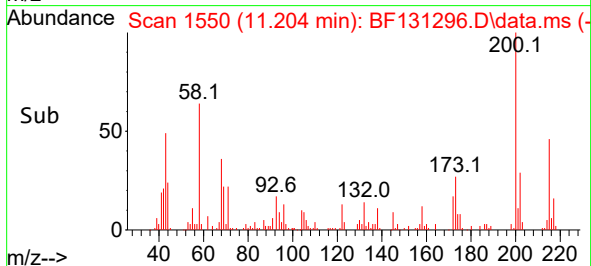
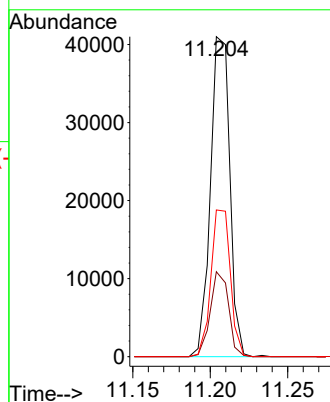
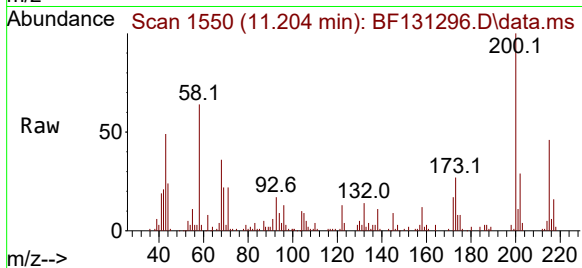
Tgt Ion:200 Resp: 35662

Ion Ratio Lower Upper

200 100

173 26.6 6.0 46.0

215 45.9 29.0 69.0



#70

Pentachlorophenol

Concen: 6.293 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

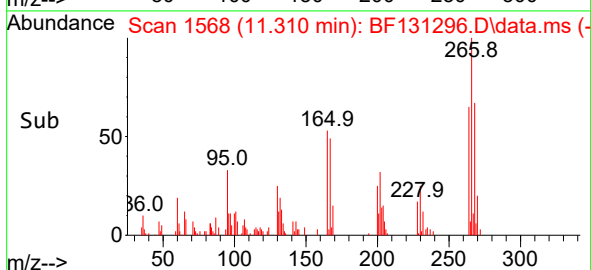
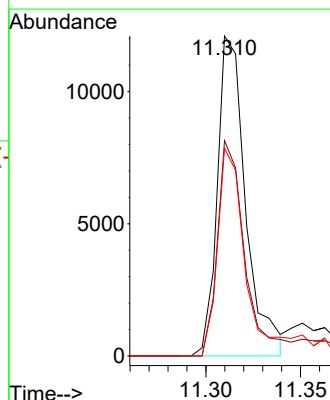
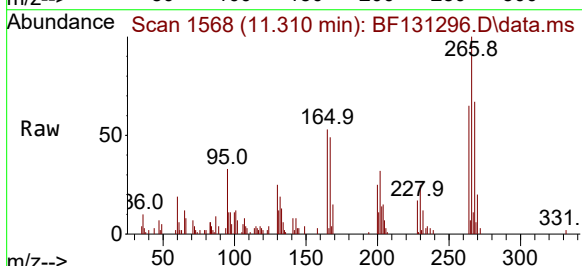
Tgt Ion:266 Resp: 12640

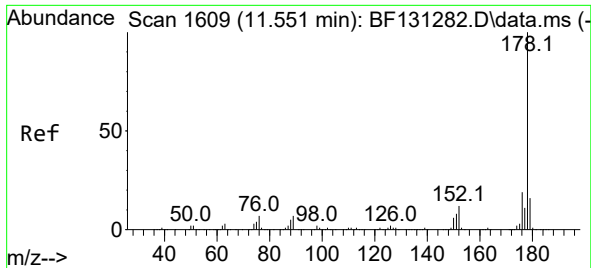
Ion Ratio Lower Upper

266 100

268 67.3 49.0 73.4

264 64.9 49.7 74.5

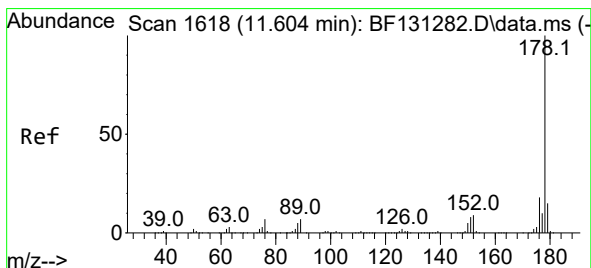
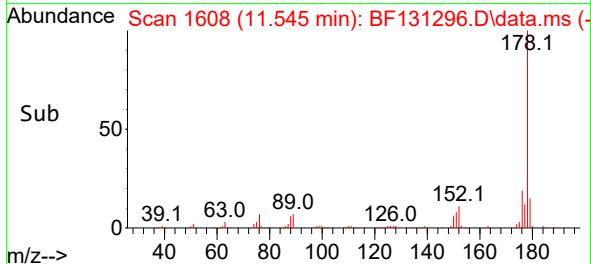
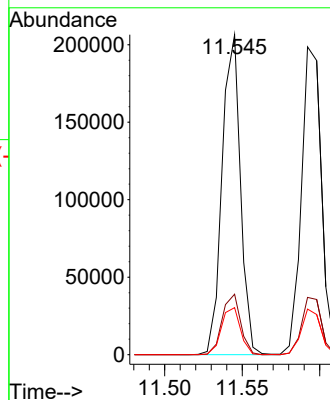
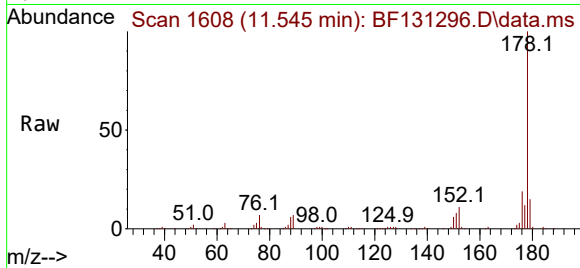




#71
Phenanthrene
Concen: 10.654 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

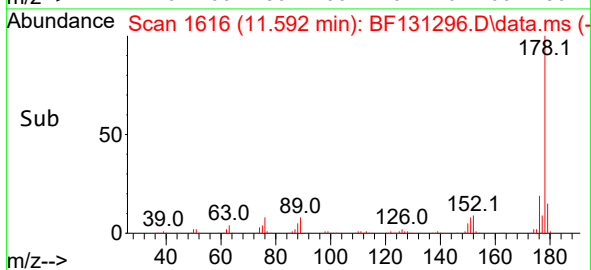
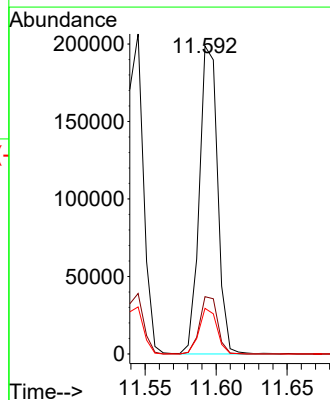
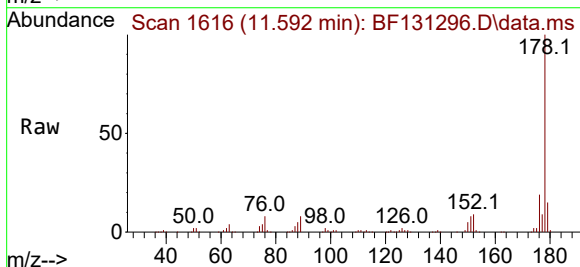
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

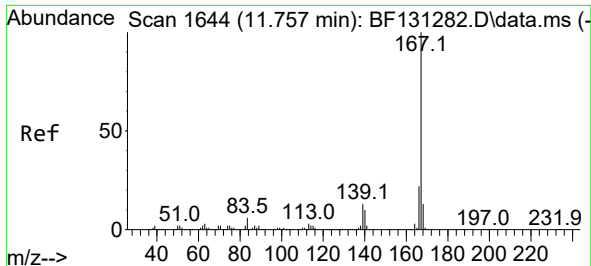
Tgt Ion:178 Resp: 170127
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.7 12.4 18.6



#72
Anthracene
Concen: 11.423 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:178 Resp: 178379
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 14.8 12.0 18.0

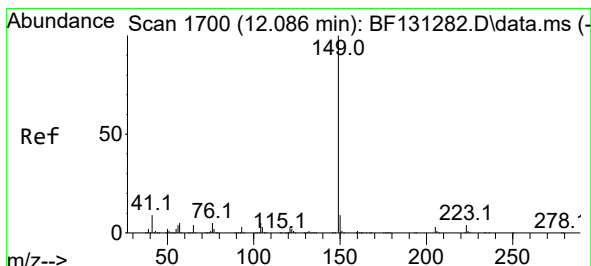
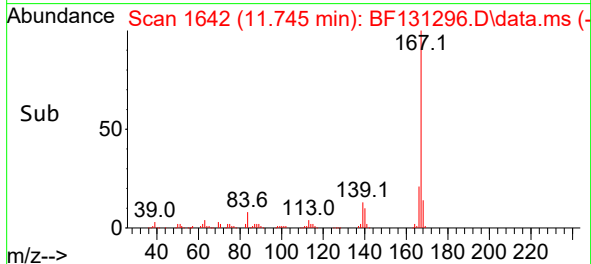
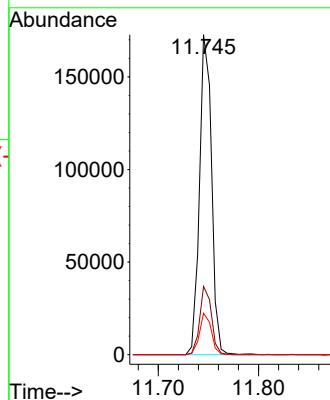
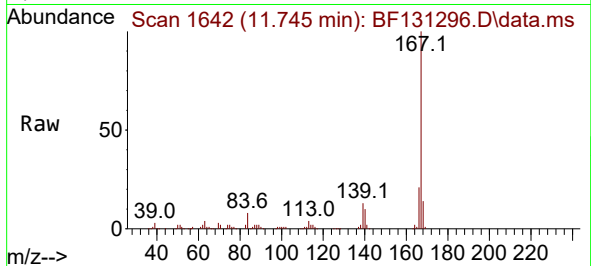




#73
Carbazole
Concen: 11.046 ng
RT: 11.745 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

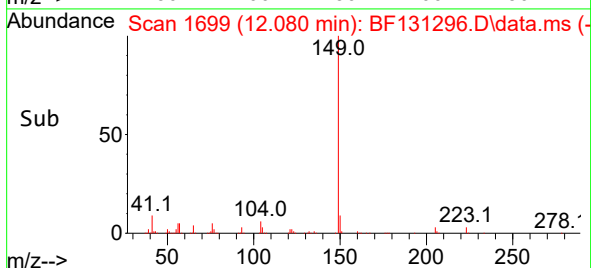
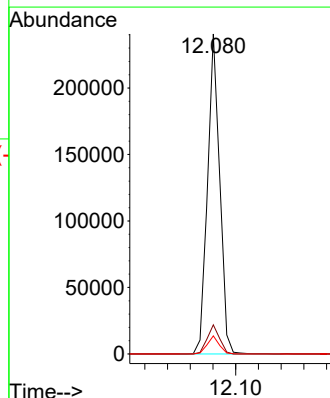
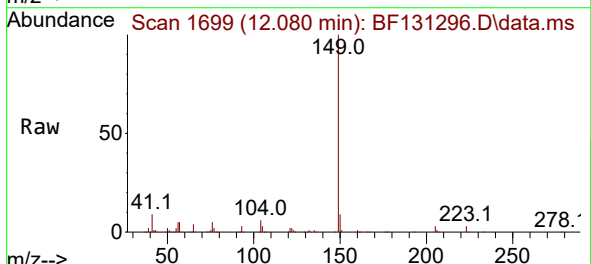
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

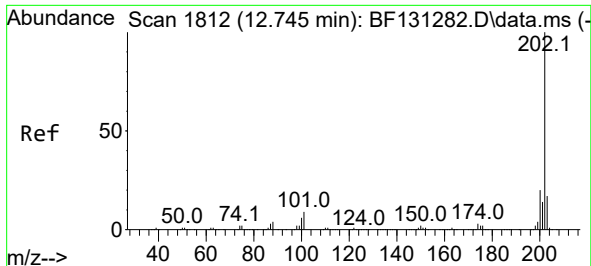
Tgt Ion:167 Resp: 145006
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.2
139 13.0 10.2 15.4



#74
Di-n-butylphthalate
Concen: 11.269 ng
RT: 12.080 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:149 Resp: 178629
Ion Ratio Lower Upper
149 100
150 9.1 7.1 10.7
104 5.6 4.3 6.5

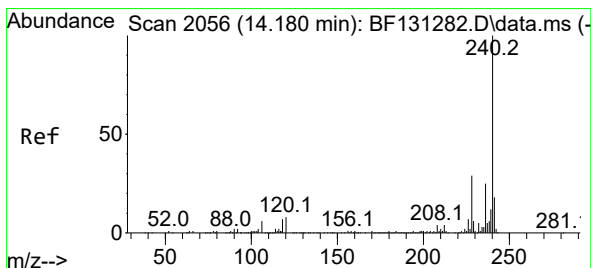
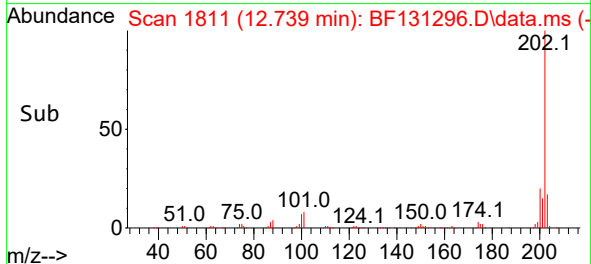
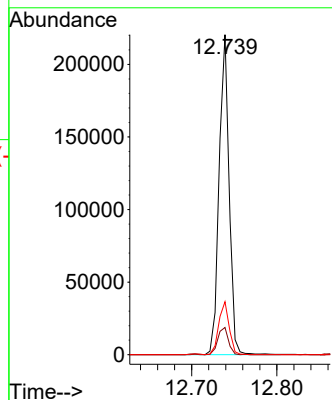
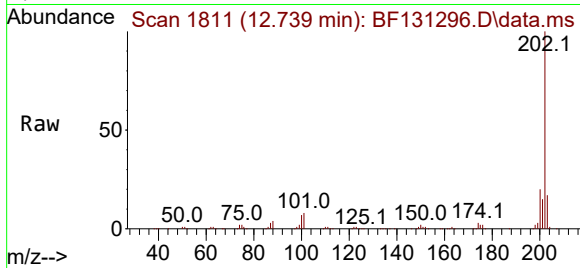




#75
Fluoranthene
Concen: 10.873 ng
RT: 12.739 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

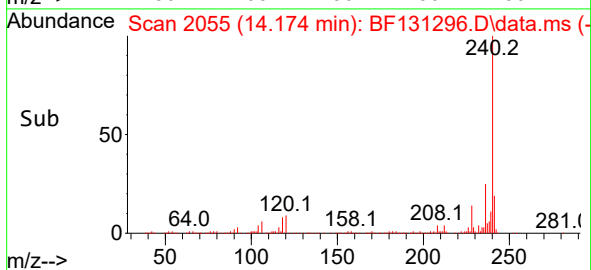
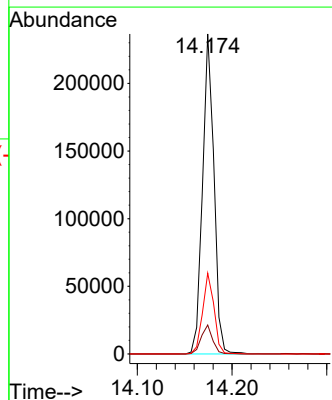
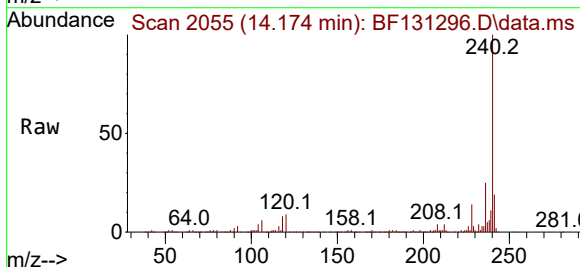
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

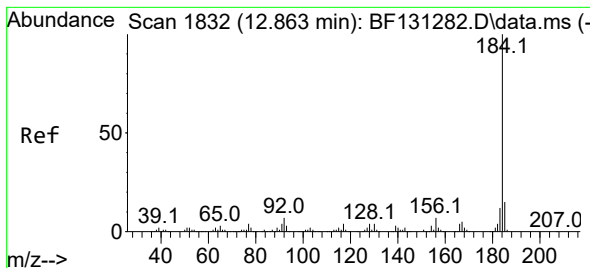
Tgt Ion:	202	Resp:	180175
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	28.5
203	16.5	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:	240	Resp:	197992
Ion Ratio	Lower	Upper	
240	100		
120	9.0	6.2	9.2
236	25.2	19.8	29.6





#77

Benzidine

Concen: 17.572 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

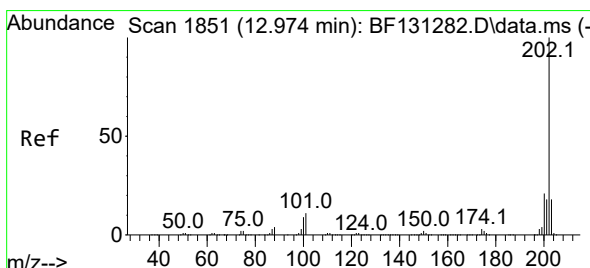
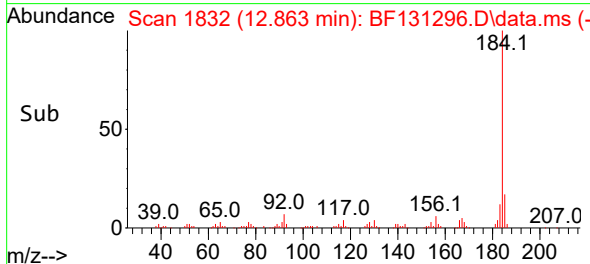
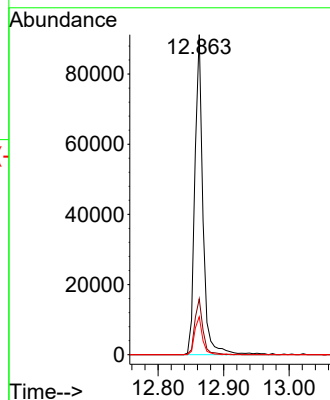
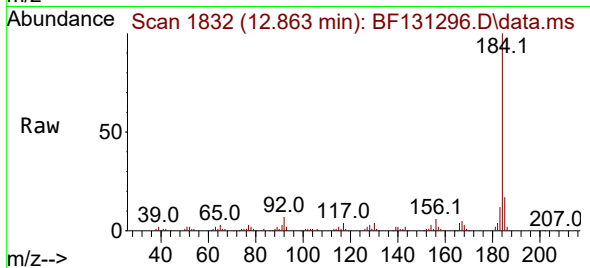
Tgt Ion:184 Resp: 78693

Ion Ratio Lower Upper

184 100

185 17.4 12.3 18.5

183 11.9 9.3 13.9



#78

Pyrene

Concen: 9.654 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

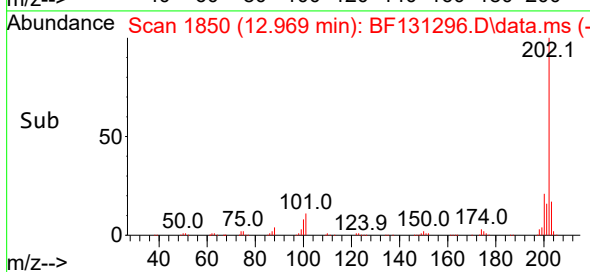
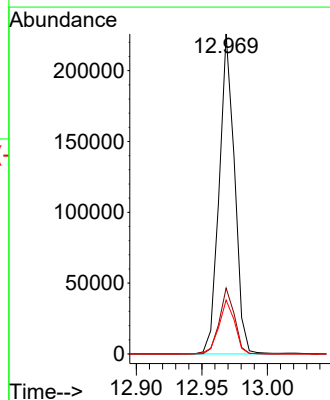
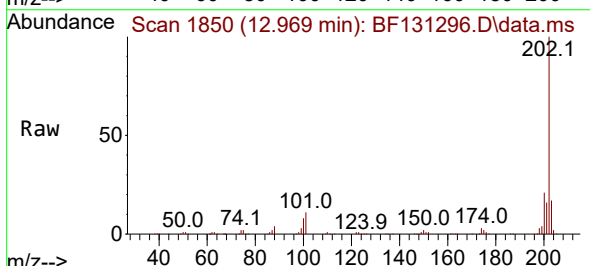
Tgt Ion:202 Resp: 183908

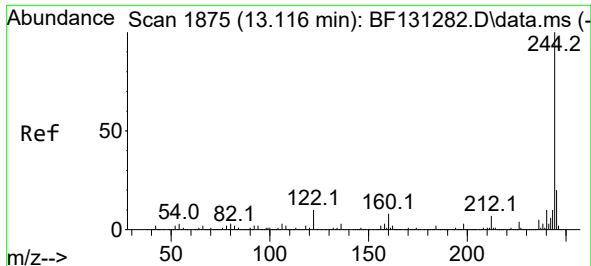
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

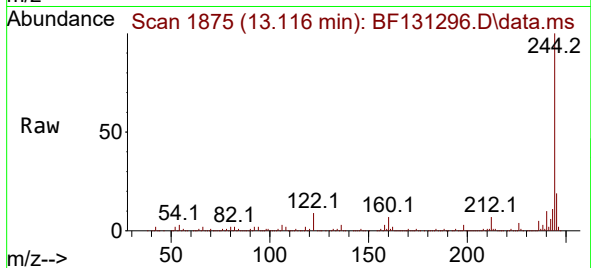
203 16.8 14.3 21.5



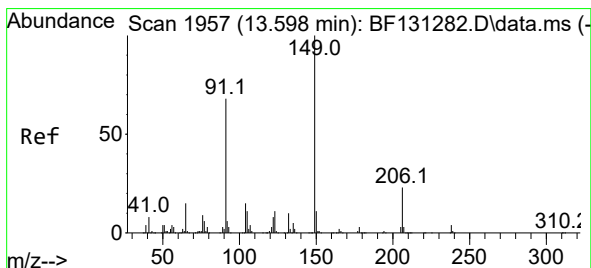
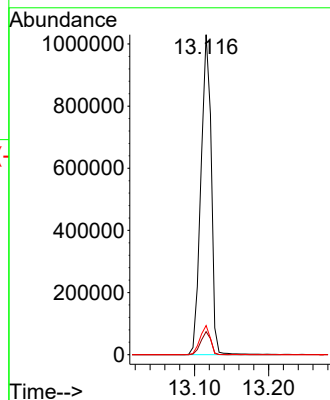
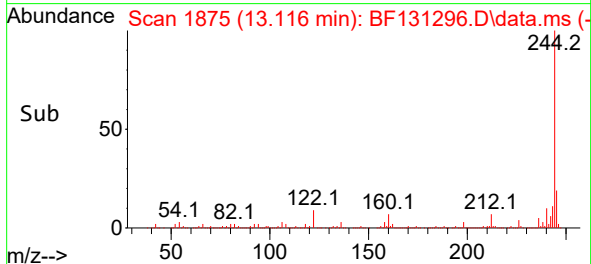


#79
 Terphenyl-d14
 Concen: 75.075 ng
 RT: 13.116 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

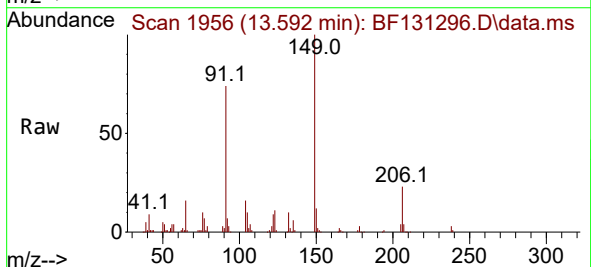
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



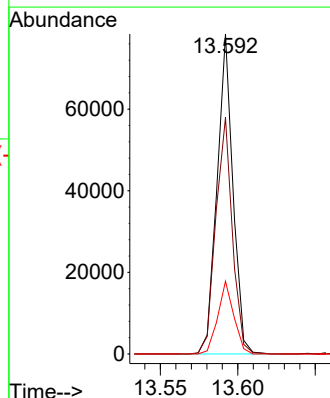
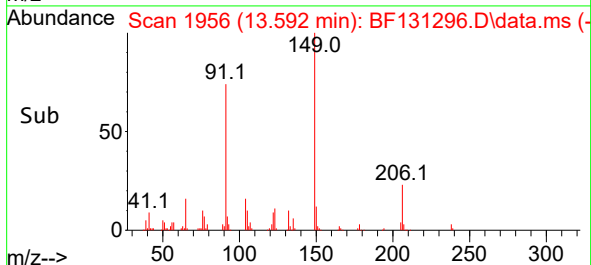
Tgt Ion:244 Resp: 994419
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.1 7.8 11.8

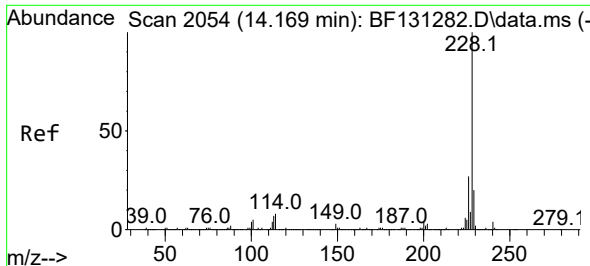


#80
 Butylbenzylphthalate
 Concen: 9.711 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07



Tgt Ion:149 Resp: 55960
 Ion Ratio Lower Upper
 149 100
 91 73.9 54.6 82.0
 206 22.8 18.1 27.1

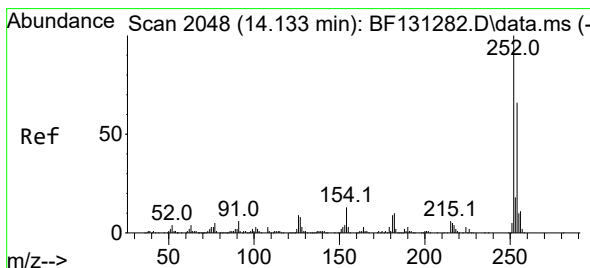
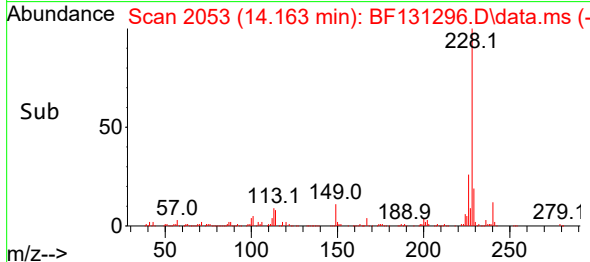
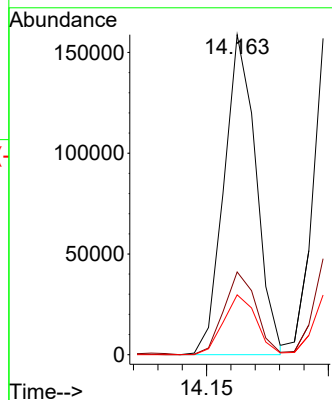
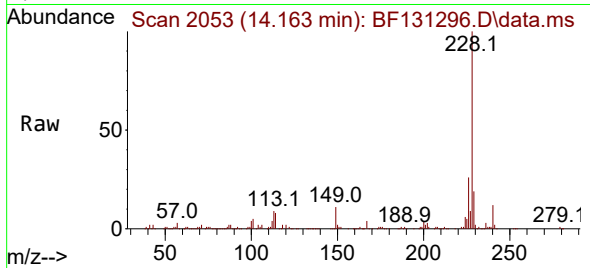




#81
Benzo(a)anthracene
Concen: 10.396 ng
RT: 14.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

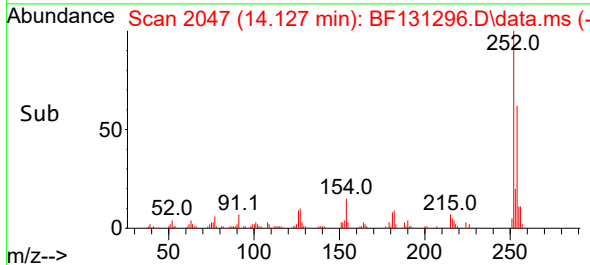
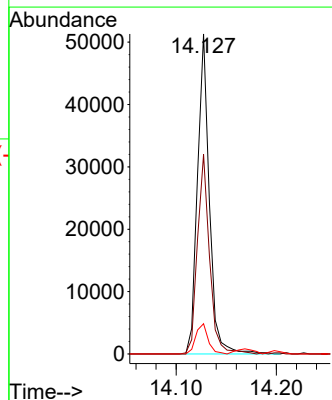
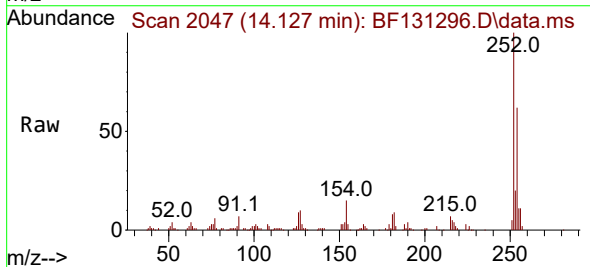
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

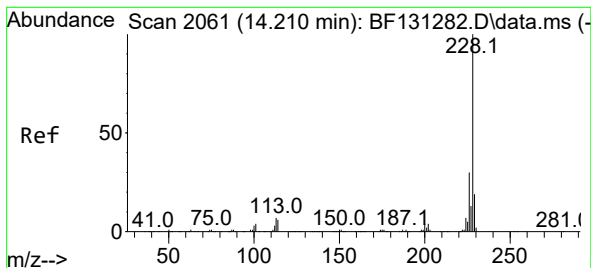
Tgt Ion:228 Resp: 145120
Ion Ratio Lower Upper
228 100
226 25.9 21.5 32.3
229 18.7 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 11.399 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:252 Resp: 42242
Ion Ratio Lower Upper
252 100
254 62.4 52.6 78.8
126 9.4 7.0 10.6





#83

Chrysene

Concen: 10.513 ng

RT: 14.198 min Scan# 2059

Delta R.T. -0.012 min

Lab File: BF131296.D

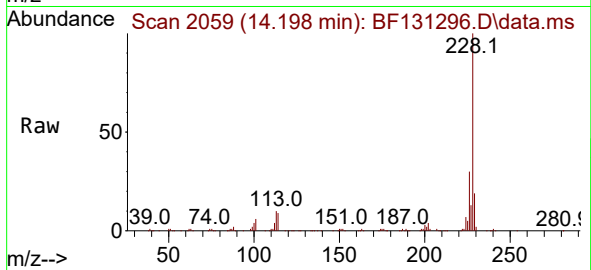
Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



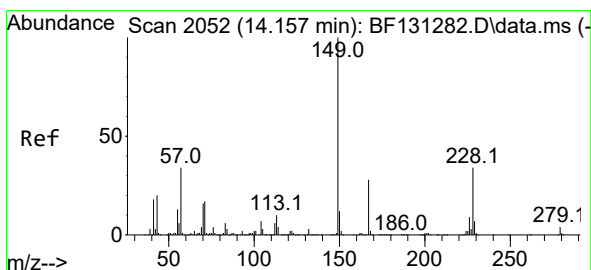
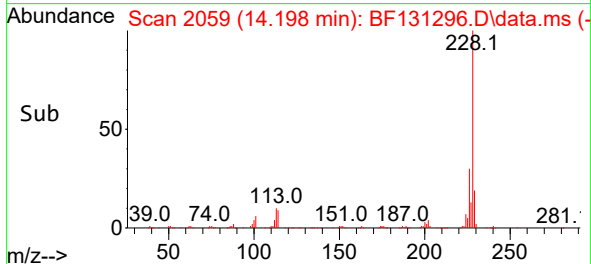
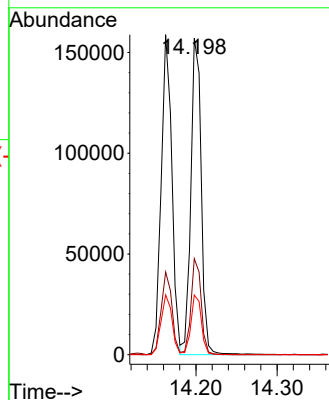
Tgt Ion:228 Resp: 140345

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.6

229 18.9 15.2 22.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.949 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

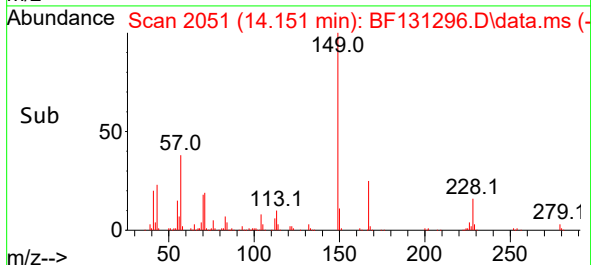
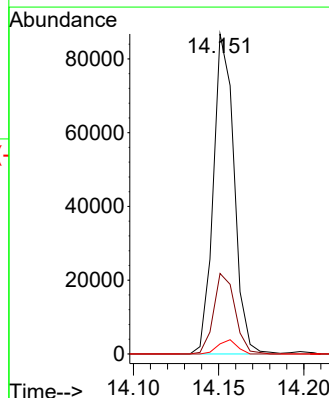
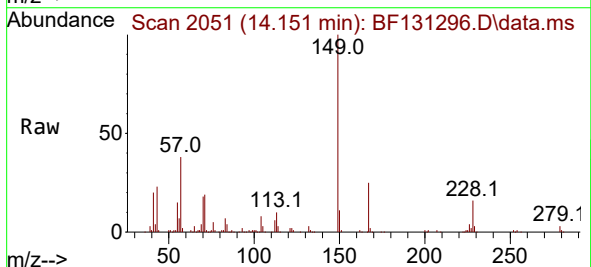
Tgt Ion:149 Resp: 73440

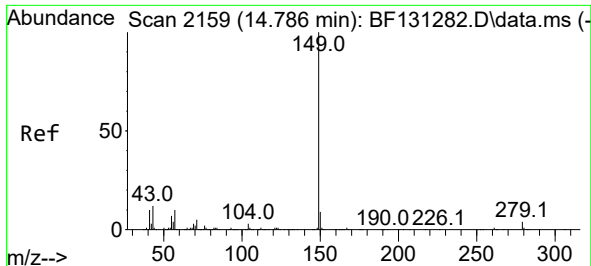
Ion Ratio Lower Upper

149 100

167 25.1 22.2 33.4

279 3.1 3.4 5.2#

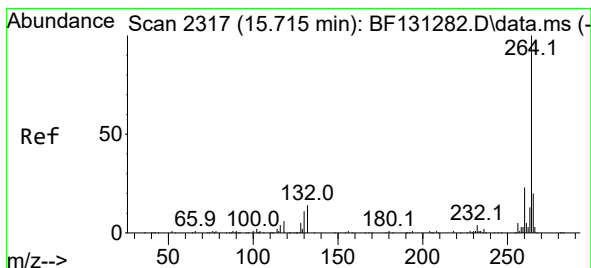
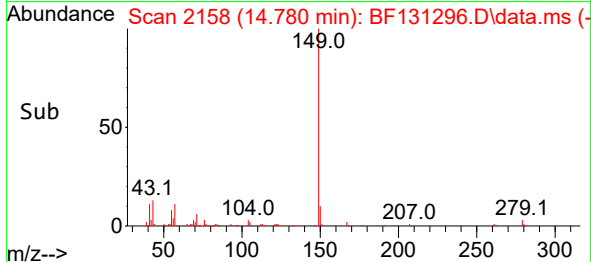
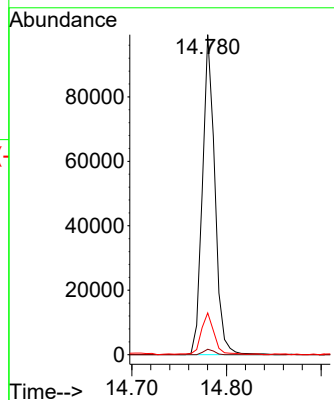
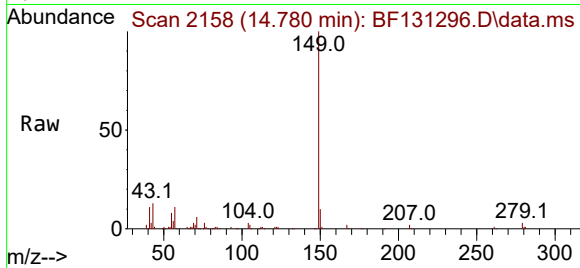




#85
Di-n-octyl phthalate
Concen: 9.454 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

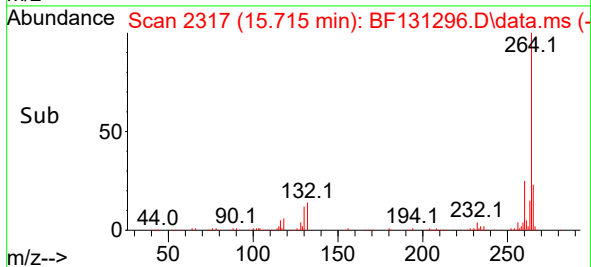
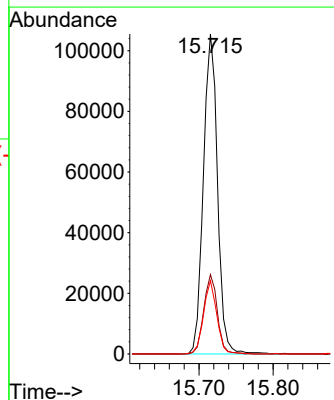
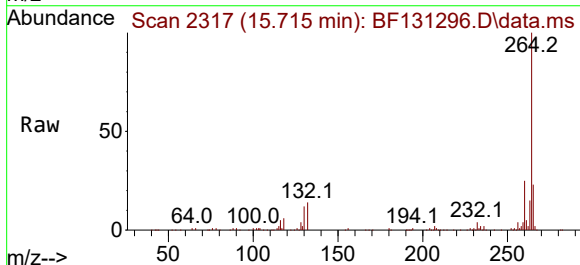
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

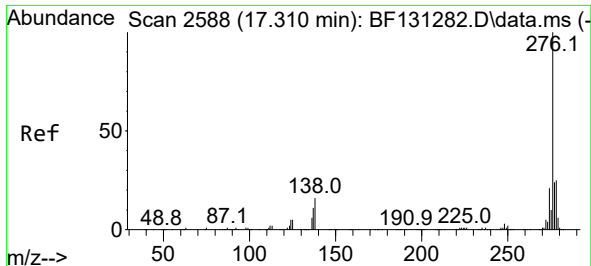
Tgt Ion:149 Resp: 90017
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 14.1 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2317
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:264 Resp: 139393
Ion Ratio Lower Upper
264 100
260 24.8 18.7 28.1
265 22.9 16.2 24.4

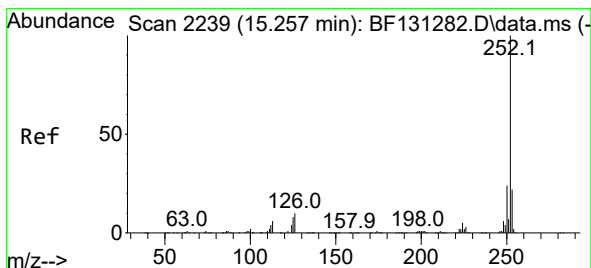
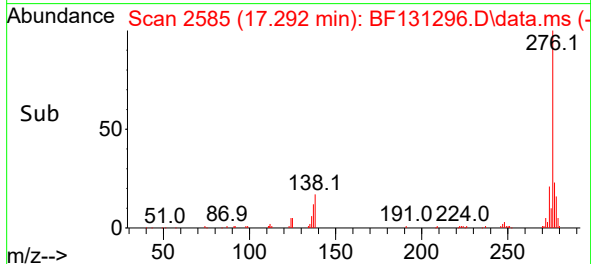
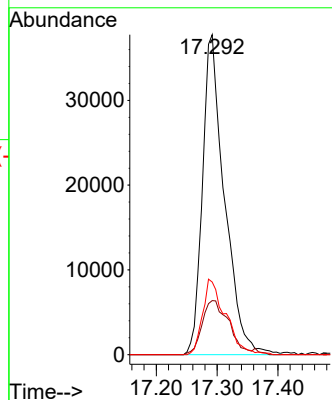
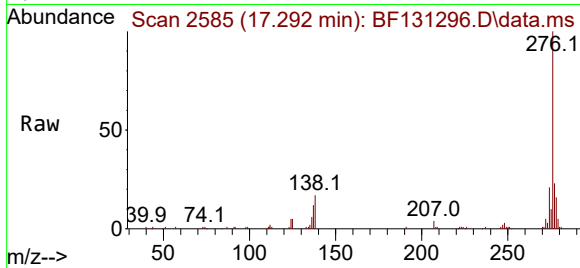




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.970 ng
 RT: 17.292 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

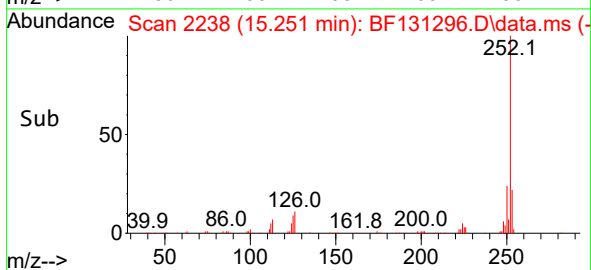
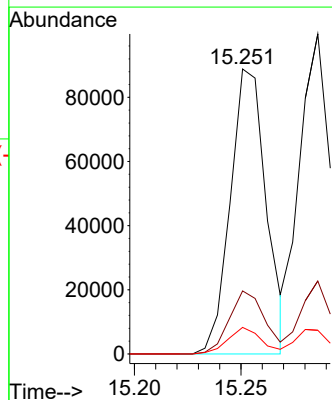
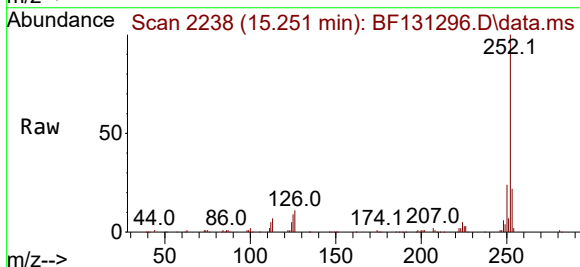
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

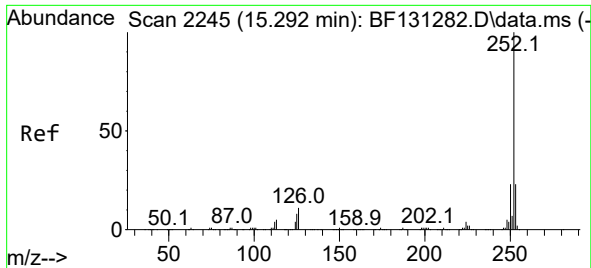
Tgt Ion:276 Resp: 94831
 Ion Ratio Lower Upper
 276 100
 138 21.0 15.1 22.7
 277 24.6 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 11.115 ng
 RT: 15.251 min Scan# 2238
 Delta R.T. -0.006 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

Tgt Ion:252 Resp: 104280
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.0
 125 9.3 6.3 9.5

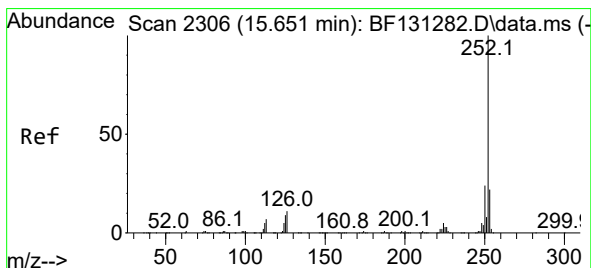
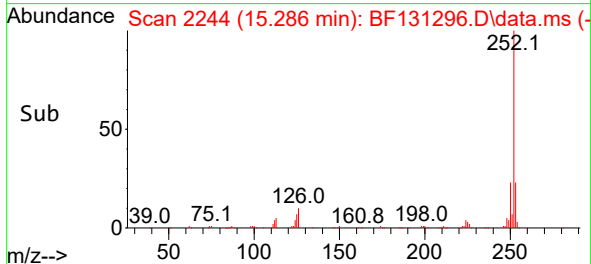
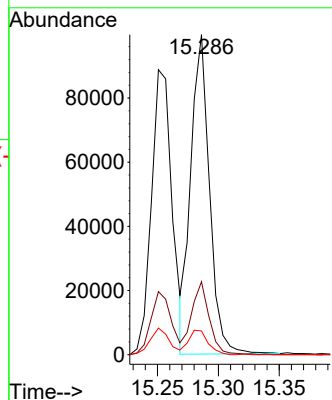
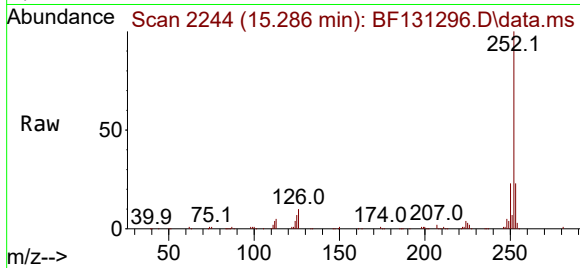




#89
Benzo(k)fluoranthene
Concen: 11.109 ng
RT: 15.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

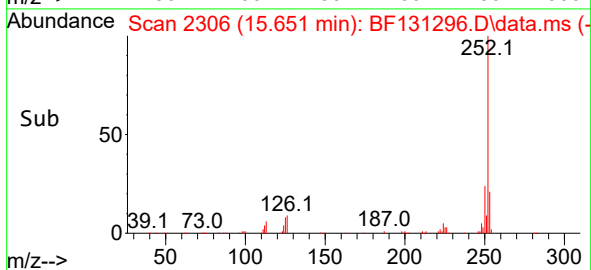
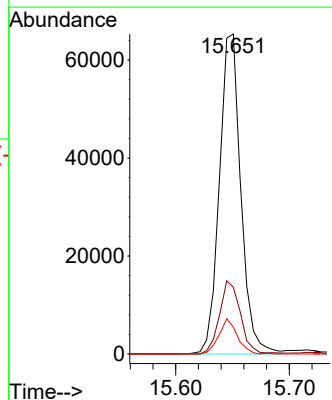
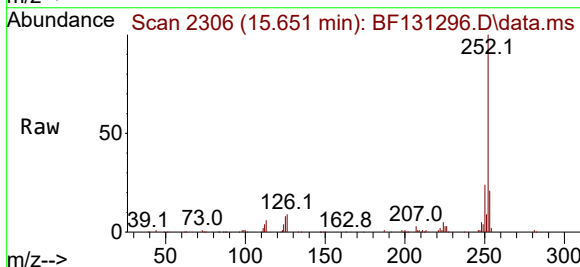
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

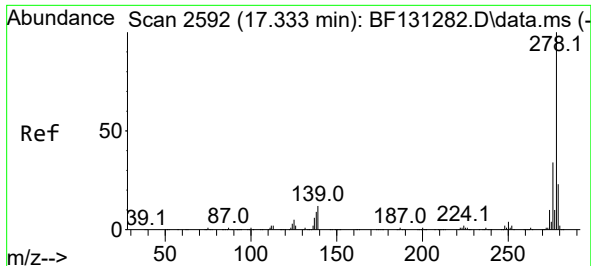
Tgt Ion:252 Resp: 106524
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 7.4 6.5 9.7



#90
Benzo(a)pyrene
Concen: 11.150 ng
RT: 15.651 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:252 Resp: 85884
Ion Ratio Lower Upper
252 100
253 20.8 17.7 26.5
125 8.4 7.2 10.8

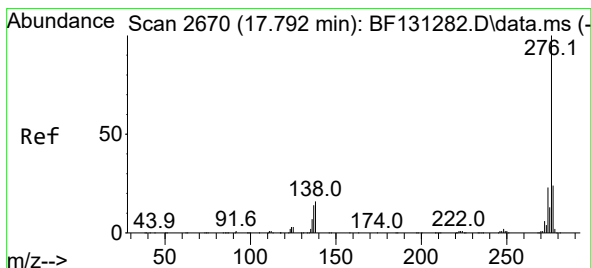
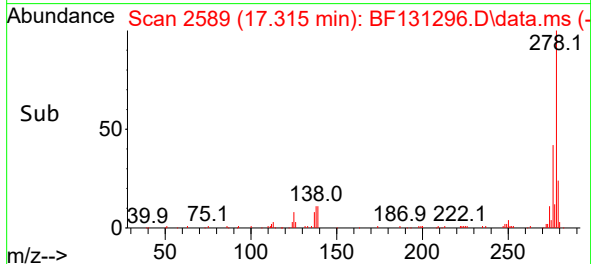
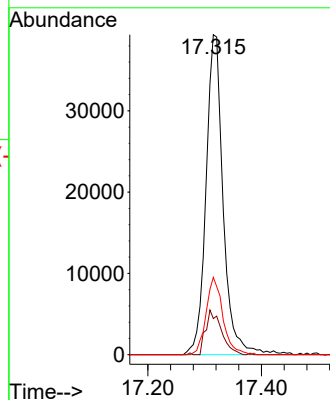
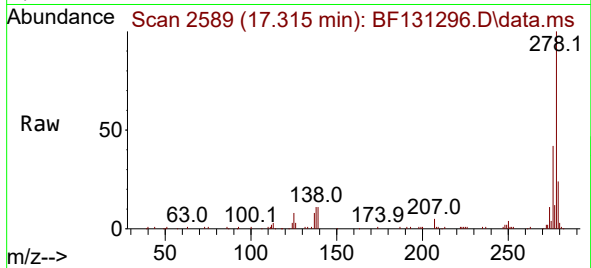




#91
Dibenzo(a,h)anthracene
Concen: 9.472 ng
RT: 17.315 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:278 Resp: 82402
Ion Ratio Lower Upper
278 100
139 11.3 10.0 15.0
279 24.1 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 9.209 ng
RT: 17.768 min Scan# 2666
Delta R.T. -0.024 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:276 Resp: 80998
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 17.6 13.0 19.6

