

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
 Data File : BF132158.D
 Acq On : 20 Jan 2023 13:04
 Operator : CG\JU
 Sample : N3980-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 21 02:31:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 02:30:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.089	152	196430	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	681842	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	372635	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	746352	20.000	ng	0.00
76) Chrysene-d12	14.307	240	541149	20.000	ng	0.00
86) Perylene-d12	15.907	264	409050	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	991649	88.189	ng	0.00
7) Phenol-d6	6.701	99	1279292	90.378	ng	0.00
23) Nitrobenzene-d5	7.654	82	838317	65.314	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	400000	100.495	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1450355	56.873	ng	0.00
79) Terphenyl-d14	13.236	244	1778511	55.053	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.019	88	48940	8.591	ng	99
3) Pyridine	3.796	79	125896	8.232	ng	99
4) n-Nitrosodimethylamine	3.719	42	63999	8.898	ng	99
6) Aniline	6.754	93	189020	9.641	ng	97
8) 2-Chlorophenol	6.872	128	123011	10.407	ng	96
9) Benzaldehyde	6.642	77	96411	10.587	ng	98
10) Phenol	6.713	94	148843	10.101	ng	96
11) bis(2-Chloroethyl)ether	6.819	93	124836	10.007	ng	98
12) 1,3-Dichlorobenzene	7.031	146	141641	10.720	ng	98
13) 1,4-Dichlorobenzene	7.107	146	143385	10.876	ng	99
14) 1,2-Dichlorobenzene	7.266	146	131590	10.794	ng	97
15) Benzyl Alcohol	7.219	79	96797	8.940	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.360	45	184295	10.165	ng	99
17) 2-Methylphenol	7.319	107	98102	9.474	ng	96
18) Hexachloroethane	7.607	117	49723	10.507	ng	98
19) n-Nitroso-di-n-propyla...	7.489	70	90179	10.401	ng	97
20) 3+4-Methylphenols	7.472	107	131044	10.043	ng	91
22) Acetophenone	7.489	105	160356	9.785	ng	# 96
24) Nitrobenzene	7.672	77	138426	10.186	ng	94
25) Isophorone	7.901	82	247137	9.841	ng	99
26) 2-Nitrophenol	7.984	139	51053	11.810	ng	100
27) 2,4-Dimethylphenol	8.007	122	87455	8.048	ng	98
28) bis(2-Chloroethoxy)met...	8.113	93	153372	10.179	ng	99
29) 2,4-Dichlorophenol	8.219	162	103129	9.996	ng	98
30) 1,2,4-Trichlorobenzene	8.313	180	121832	10.397	ng	99
31) Naphthalene	8.401	128	365536	10.439	ng	98
32) Benzoic acid	8.072	122	70057	11.009	ng	93
33) 4-Chloroaniline	8.436	127	150281	10.028	ng	98
34) Hexachlorobutadiene	8.513	225	81974	10.414	ng	99
35) Caprolactam	8.778	113	36796	12.577	ng	92
36) 4-Chloro-3-methylphenol	8.907	107	105940	10.204	ng	97
37) 2-Methylnaphthalene	9.089	142	243579	10.103	ng	99
38) 1-Methylnaphthalene	9.189	142	234854	10.469	ng	98
40) 1,2,4,5-Tetrachloroben...	9.254	216	118799	9.163	ng	100
41) Hexachlorocyclopentadiene	9.242	237	77024	10.887	ng	99
43) 2,4,6-Trichlorophenol	9.366	196	78320	9.734	ng	100

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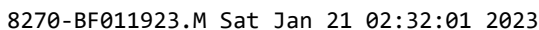
Instrument :
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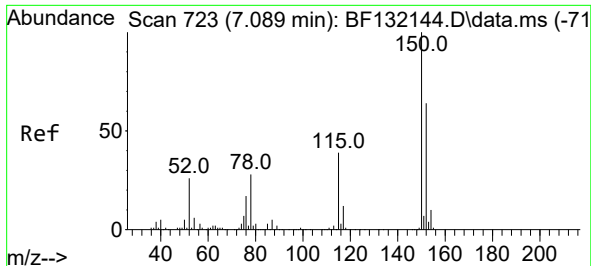
Quant Time: Jan 21 02:31:56 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.401	196	85265	9.061	ng	94
46) 1,1'-Biphenyl	9.554	154	280386	9.537	ng	99
47) 2-Chloronaphthalene	9.583	162	241308	10.618	ng	99
48) 2-Nitroaniline	9.672	65	65635	10.031	ng	99
49) Acenaphthylene	10.001	152	369371	10.160	ng	99
50) Dimethylphthalate	9.848	163	279576	10.359	ng	99
51) 2,6-Dinitrotoluene	9.913	165	55225	10.557	ng	93
52) Acenaphthene	10.178	154	223438	10.218	ng	99
53) 3-Nitroaniline	10.083	138	58459	10.452	ng	94
54) 2,4-Dinitrophenol	10.183	184	17757	8.804	ng	# 1
55) Dibenzofuran	10.348	168	351244	10.394	ng	97
56) 4-Nitrophenol	10.219	139	41220	10.127	ng	93
57) 2,4-Dinitrotoluene	10.313	165	65294	10.399	ng	100
58) Fluorene	10.695	166	271360	10.837	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.460	232	71351	9.967	ng	98
60) Diethylphthalate	10.554	149	269744	10.192	ng	99
61) 4-Chlorophenyl-phenyle...	10.683	204	140602	10.486	ng	94
62) 4-Nitroaniline	10.695	138	52823	10.145	ng	94
63) Azobenzene	10.842	77	263830	9.933	ng	97
65) 4,6-Dinitro-2-methylph...	10.725	198	34353	10.616	ng	92
66) n-Nitrosodiphenylamine	10.801	169	237799	9.949	ng	99
67) 4-Bromophenyl-phenylether	11.177	248	85575	9.407	ng	95
68) Hexachlorobenzene	11.242	284	90666	10.028	ng	# 90
69) Atrazine	11.319	200	70311	9.534	ng	98
70) Pentachlorophenol	11.436	266	70857	12.196	ng	96
71) Phenanthrene	11.666	178	407462	10.403	ng	99
72) Anthracene	11.719	178	408648	10.313	ng	99
73) Carbazole	11.866	167	368043	10.874	ng	98
74) Di-n-butylphthalate	12.195	149	407931	10.827	ng	99
75) Fluoranthene	12.866	202	445341	11.069	ng	99
77) Benzidine	12.983	184	158050	9.728	ng	98
78) Pyrene	13.101	202	457586	9.175	ng	98
80) Butylbenzylphthalate	13.713	149	139691	9.665	ng	88
81) Benzo(a)anthracene	14.295	228	368679	9.537	ng	99
82) 3,3'-Dichlorobenzidine	14.254	252	93604	8.694	ng	99
83) Chrysene	14.330	228	349597	9.500	ng	99
84) Bis(2-ethylhexyl)phtha...	14.265	149	189357	9.922	ng	100
85) Di-n-octyl phthalate	14.907	149	213656	12.455	ng	100
87) Indeno(1,2,3-cd)pyrene	17.559	276	227372	7.660	ng	98
88) Benzo(b)fluoranthene	15.418	252	268654	10.787	ng	99
89) Benzo(k)fluoranthene	15.454	252	270247	10.639	ng	100
90) Benzo(a)pyrene	15.830	252	211834	8.842	ng	99
91) Dibenzo(a,h)anthracene	17.583	278	198673	8.207	ng	99
92) Benzo(g,h,i)perylene	18.065	276	204247	8.018	ng	99

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

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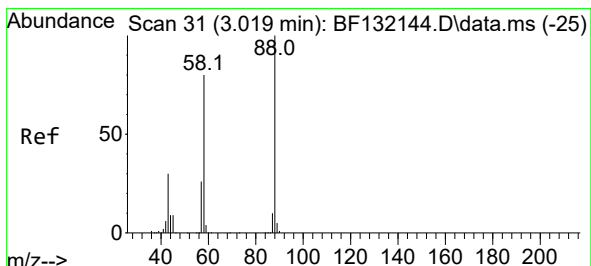
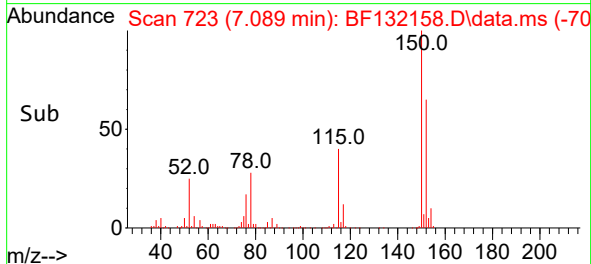
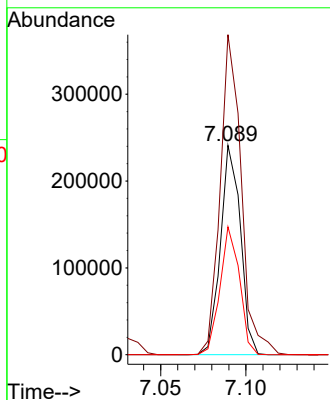
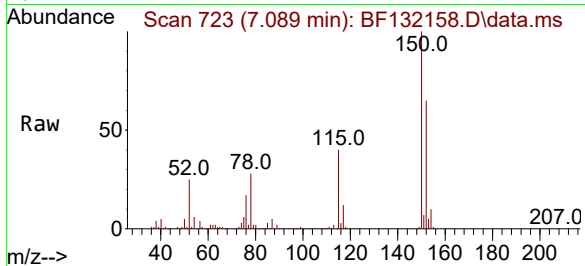




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.089 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

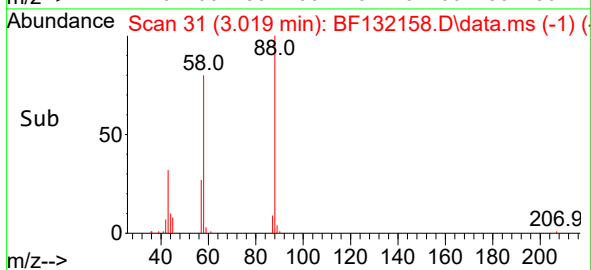
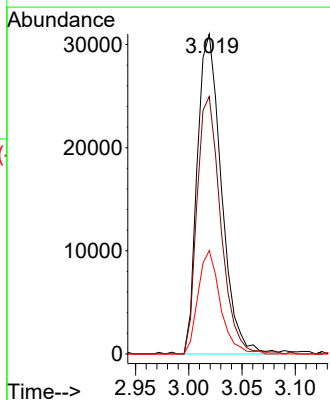
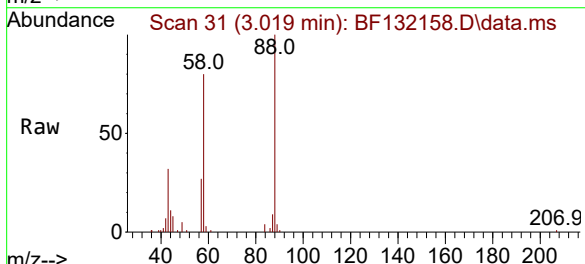
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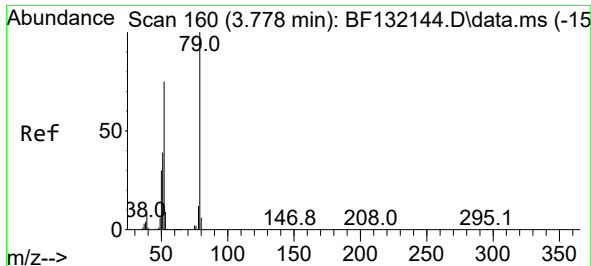
Tgt Ion:152 Resp: 196430
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.8 188.8
 115 61.1 49.2 73.8



#2
 1,4-Dioxane
 Concen: 8.591 ng
 RT: 3.019 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Tgt Ion: 88 Resp: 48940
 Ion Ratio Lower Upper
 88 100
 58 78.9 64.0 96.0
 43 29.9 24.2 36.4

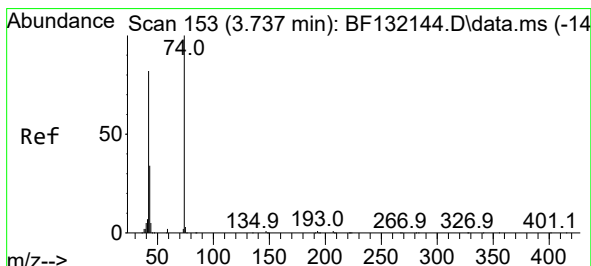
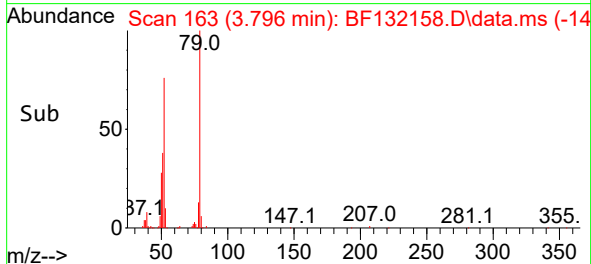
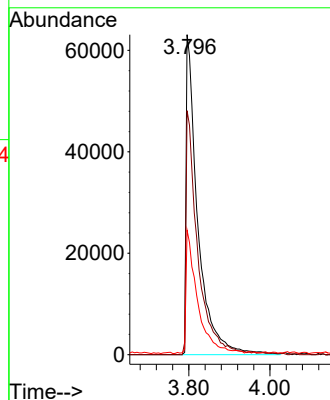
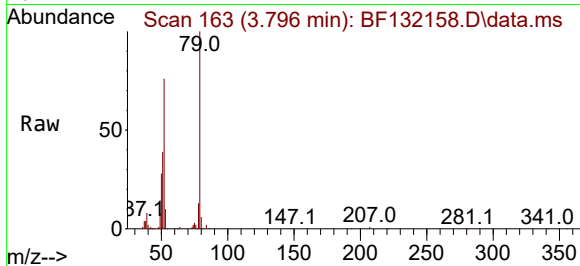




#3
Pyridine
Concen: 8.232 ng
RT: 3.796 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

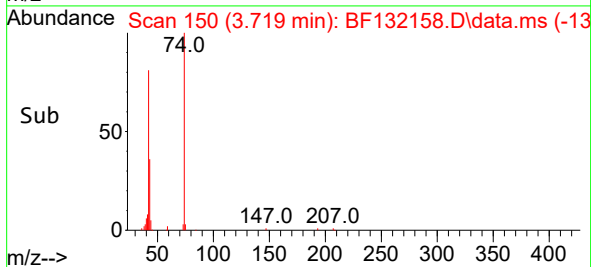
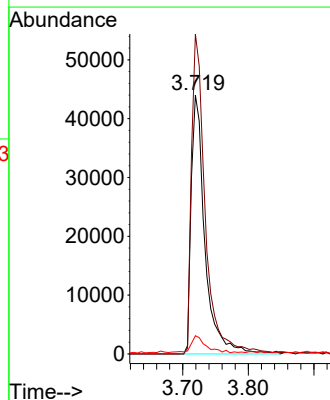
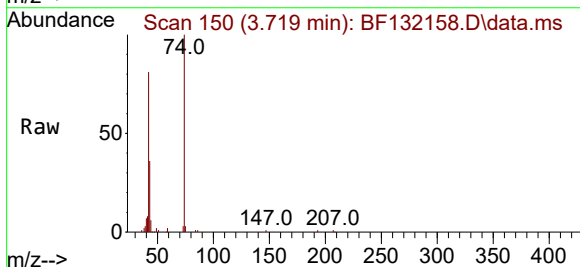
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BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

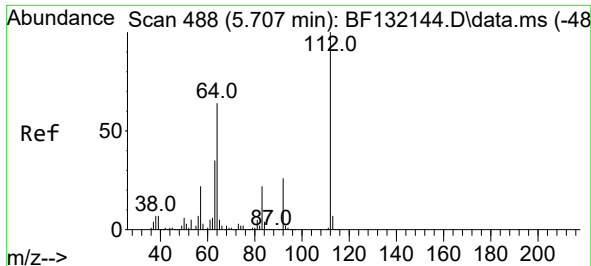
Tgt Ion: 79 Resp: 125896
Ion Ratio Lower Upper
79 100
52 76.2 60.1 90.1
51 38.9 31.4 47.0



#4
n-Nitrosodimethylamine
Concen: 8.898 ng
RT: 3.719 min Scan# 150
Delta R.T. -0.018 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 42 Resp: 63999
Ion Ratio Lower Upper
42 100
74 123.6 98.1 147.1
44 7.0 5.2 7.8

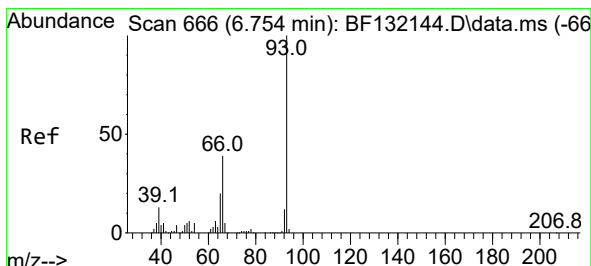
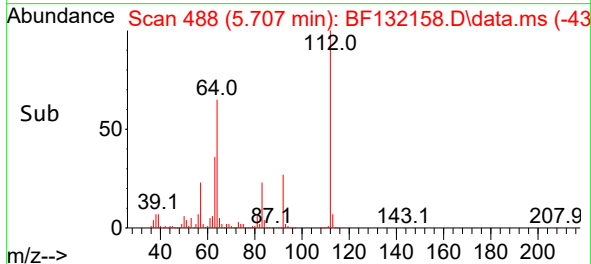
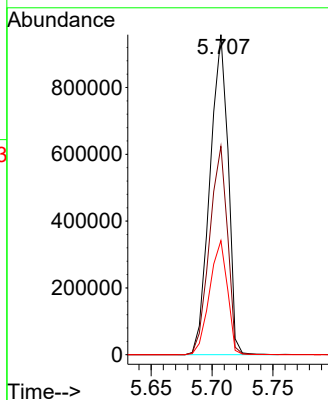
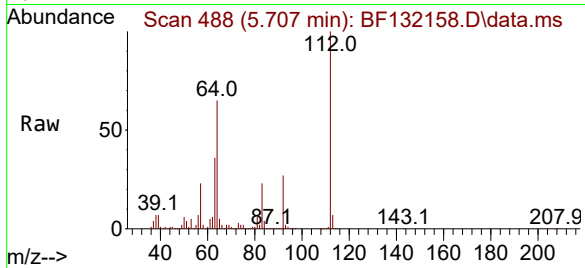




#5
2-Fluorophenol
Concen: 88.189 ng
RT: 5.707 min Scan# 488
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

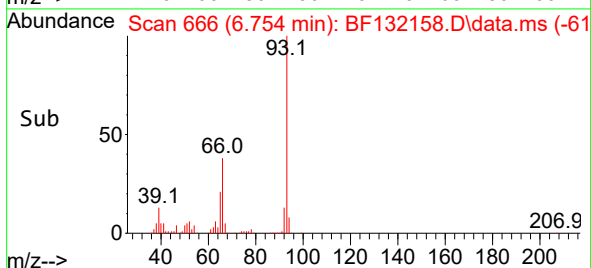
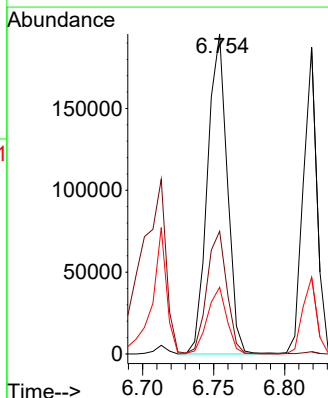
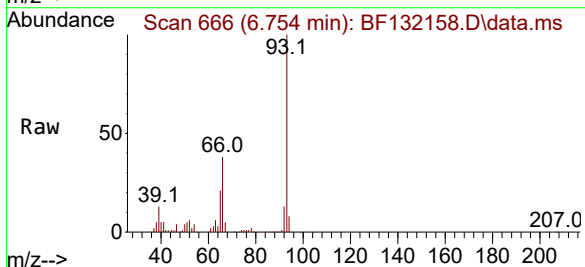
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

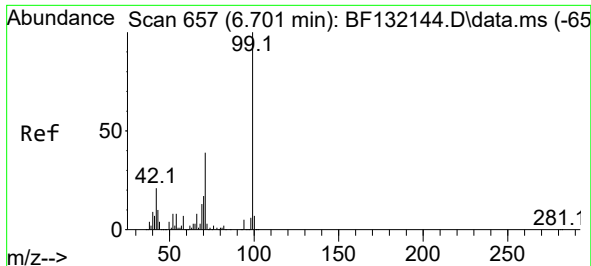
Tgt Ion:112 Resp: 991649
Ion Ratio Lower Upper
112 100
64 65.1 51.4 77.0
63 35.6 28.2 42.2



#6
Aniline
Concen: 9.641 ng
RT: 6.754 min Scan# 666
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 93 Resp: 189020
Ion Ratio Lower Upper
93 100
66 38.4 33.0 49.6
65 20.9 16.8 25.2



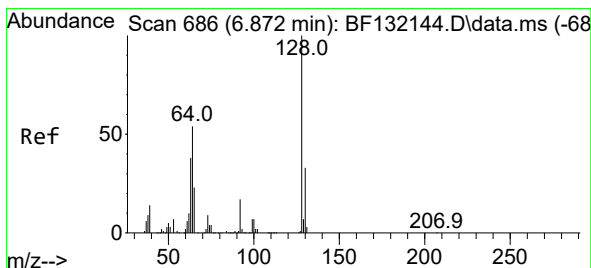
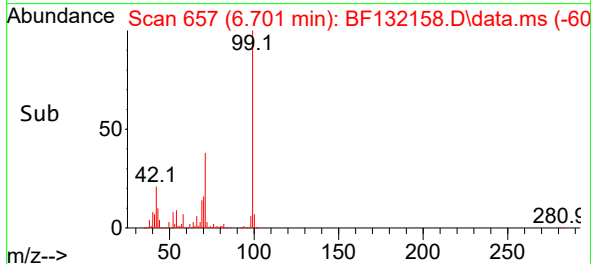
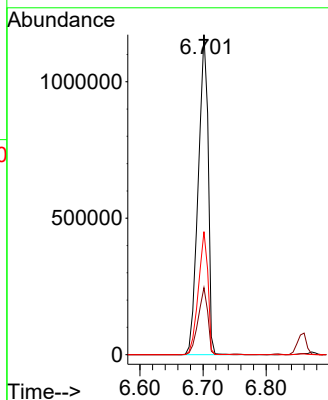
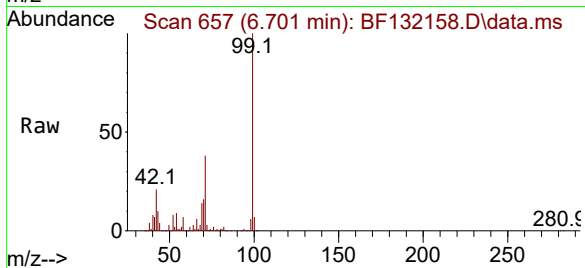


#7
Phenol-d6
Concen: 90.378 ng
RT: 6.701 min Scan# 657
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 99 Resp: 1279292

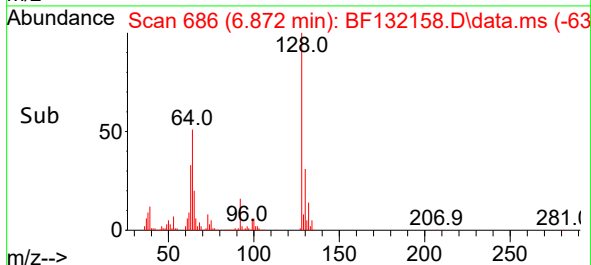
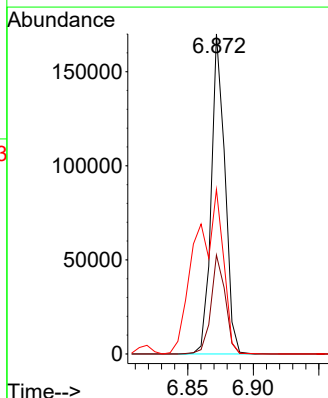
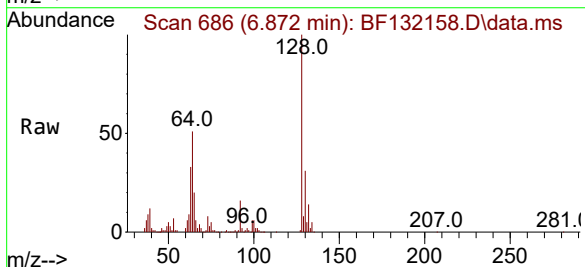
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	24.8
71	38.5	30.8	46.2

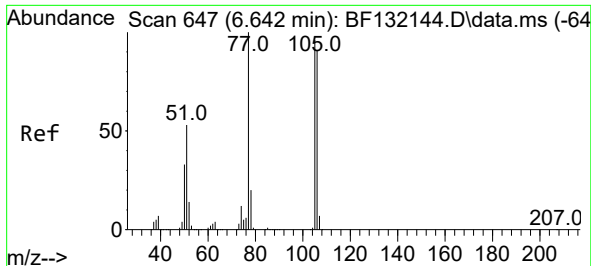


#8
2-Chlorophenol
Concen: 10.407 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 128 Resp: 123011

Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.8	52.8
64	51.4	34.8	74.8

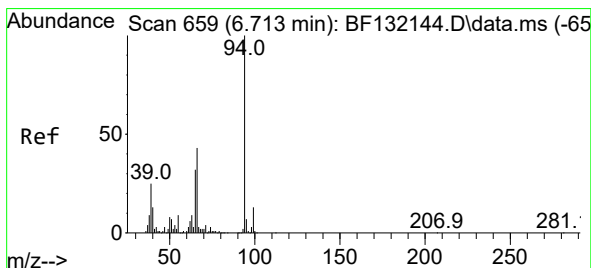
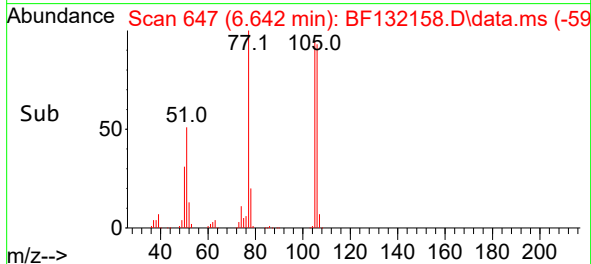
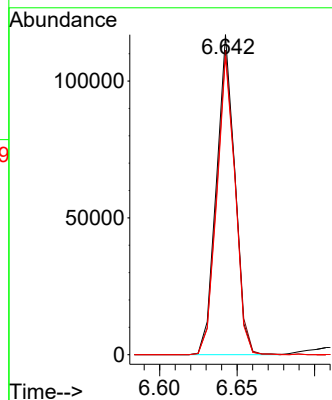
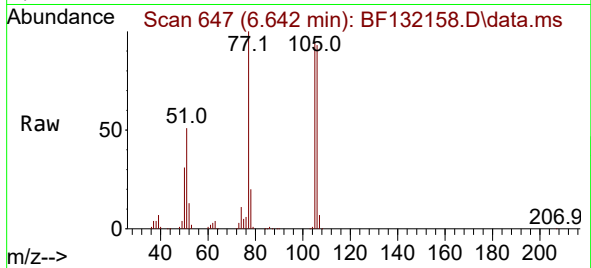




#9
Benzaldehyde
Concen: 10.587 ng
RT: 6.642 min Scan# 647
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

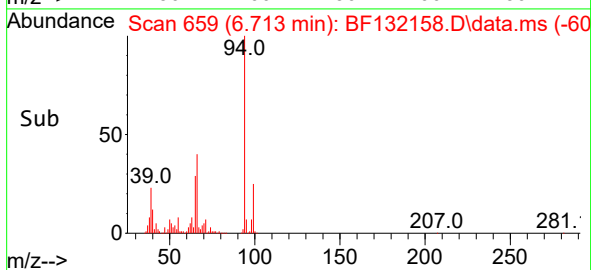
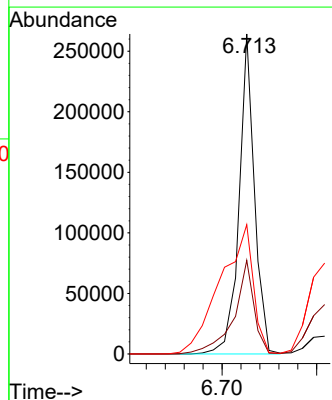
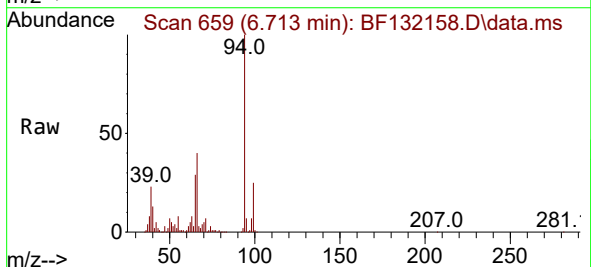
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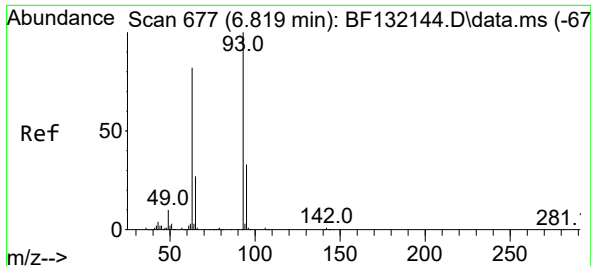
Tgt Ion: 77 Resp: 96411
Ion Ratio Lower Upper
77 100
105 95.2 75.5 115.5
106 93.4 70.7 110.7



#10
Phenol
Concen: 10.101 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 94 Resp: 148843
Ion Ratio Lower Upper
94 100
65 29.2 12.0 52.0
66 40.4 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 10.007 ng

RT: 6.819 min Scan# 6

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

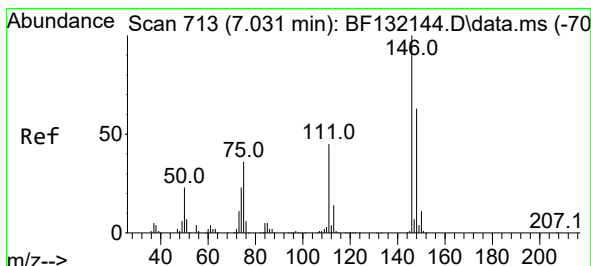
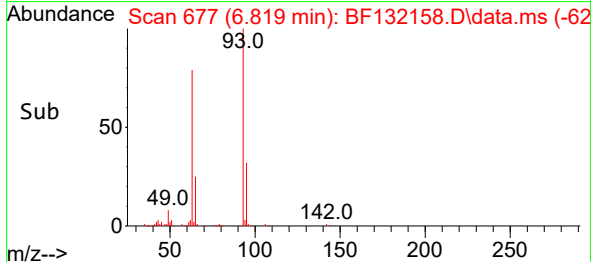
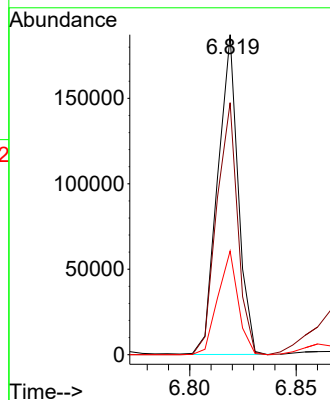
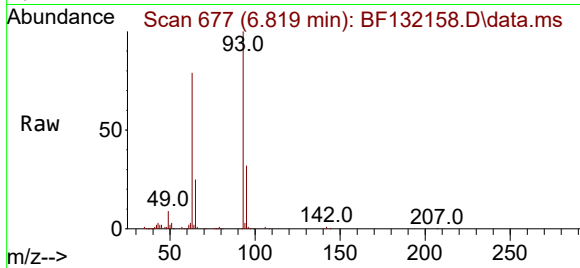
Tgt Ion: 93 Resp: 124836

Ion Ratio Lower Upper

93 100

63 78.8 61.6 101.6

95 32.4 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 10.720 ng

RT: 7.031 min Scan# 713

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

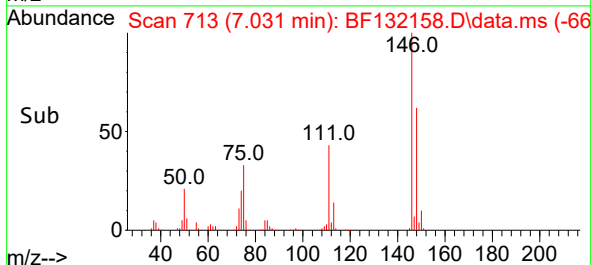
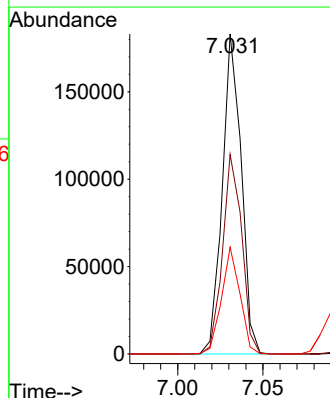
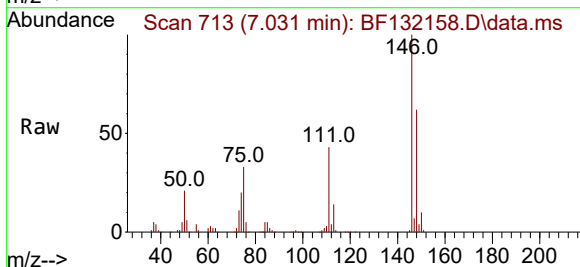
Tgt Ion:146 Resp: 141641

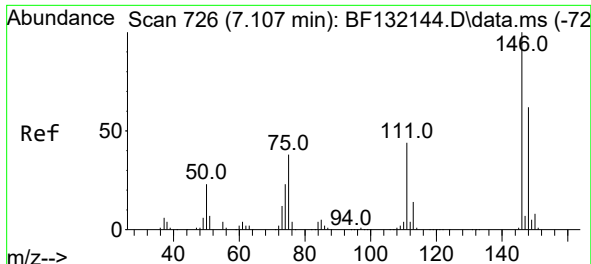
Ion Ratio Lower Upper

146 100

148 62.4 50.0 75.0

75 33.3 28.8 43.2





#13

1,4-Dichlorobenzene

Concen: 10.876 ng

RT: 7.107 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

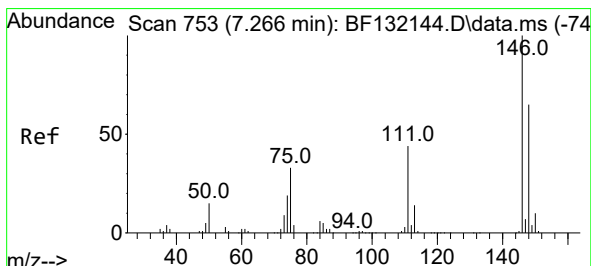
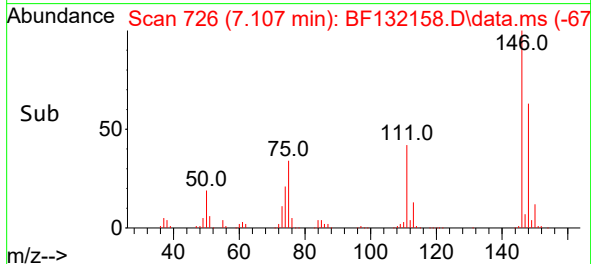
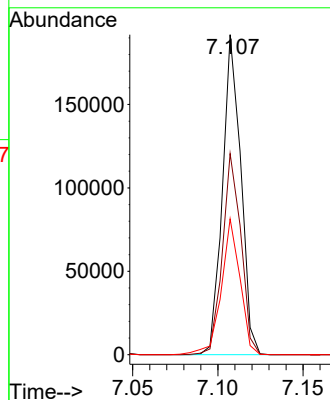
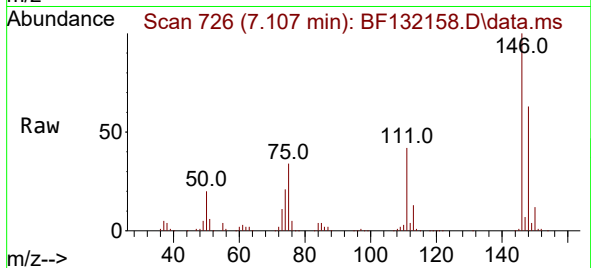
Tgt Ion:146 Resp: 143385

Ion Ratio Lower Upper

146 100

148 62.8 49.9 74.9

111 42.5 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 10.794 ng

RT: 7.266 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

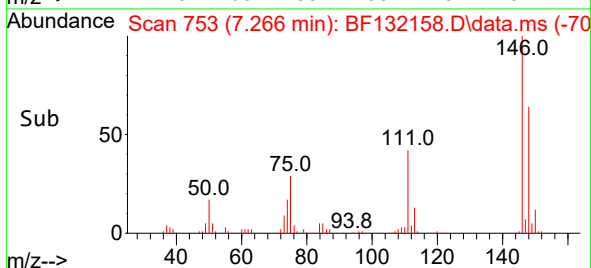
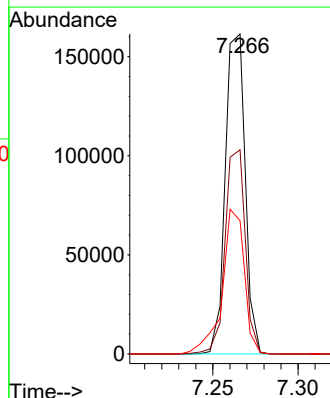
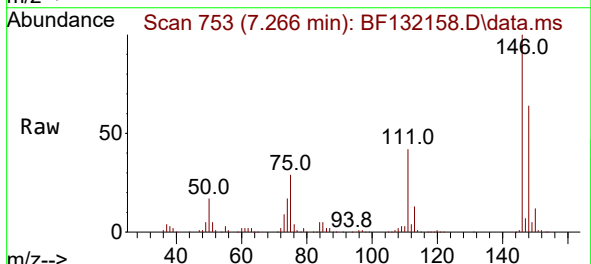
Tgt Ion:146 Resp: 131590

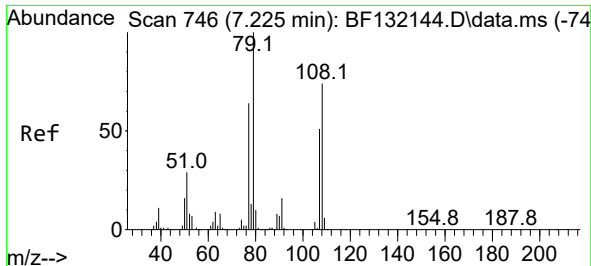
Ion Ratio Lower Upper

146 100

148 63.8 52.0 78.0

111 41.6 35.4 53.2

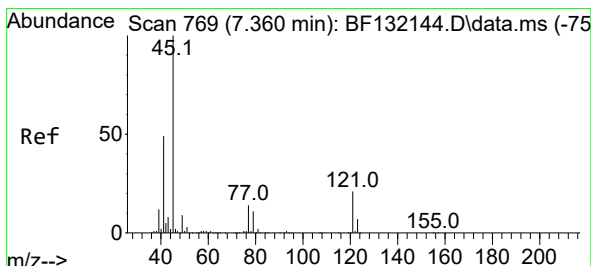
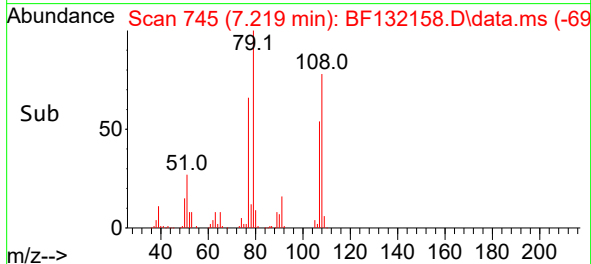
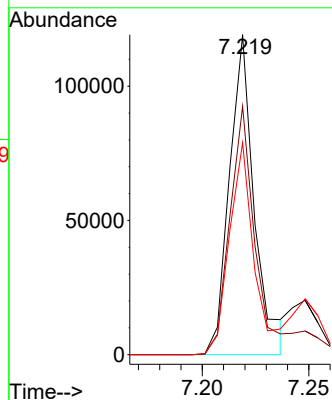
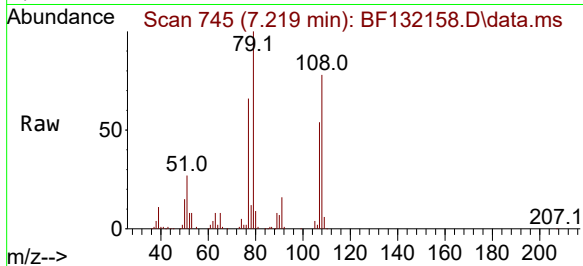




#15
Benzyl Alcohol
Concen: 8.940 ng
RT: 7.219 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

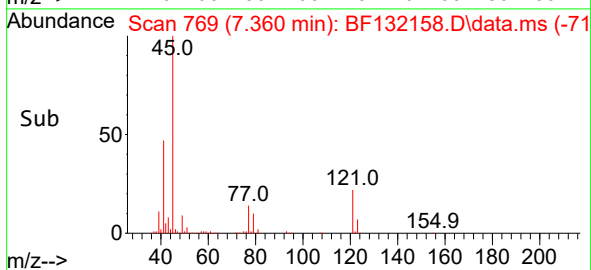
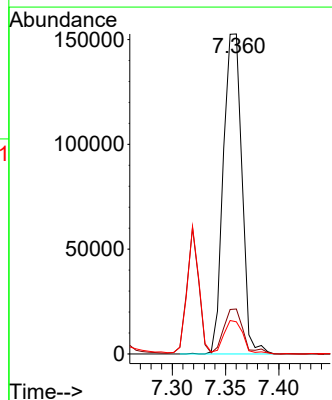
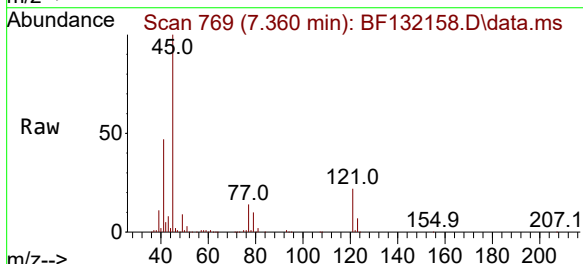
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

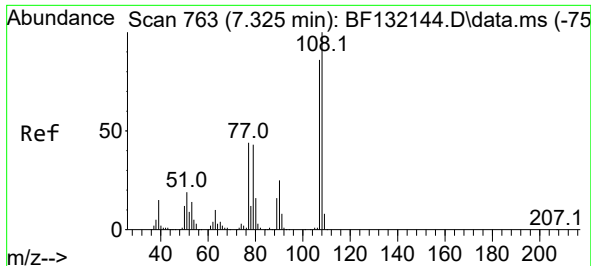
Tgt Ion: 79 Resp: 96797
Ion Ratio Lower Upper
79 100
108 77.6 58.9 88.3
77 66.2 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.165 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 45 Resp: 184295
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.3
79 10.0 0.0 30.9

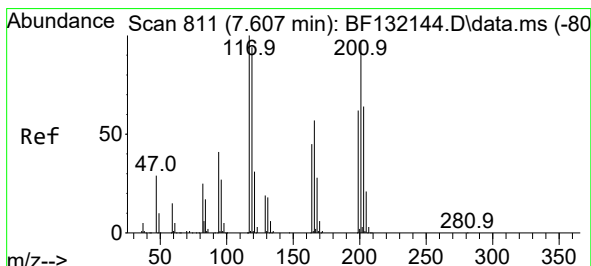
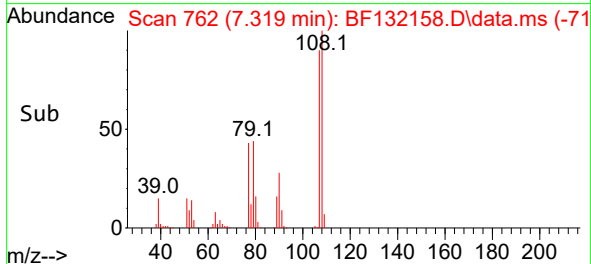
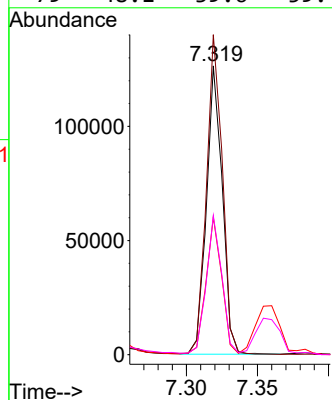
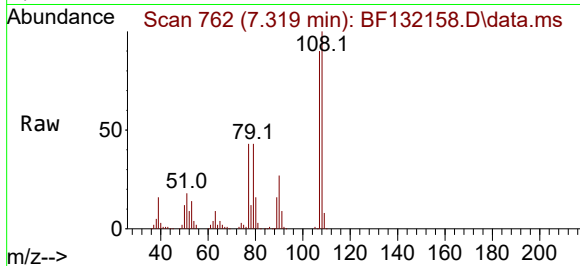




#17
2-Methylphenol
Concen: 9.474 ng
RT: 7.319 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

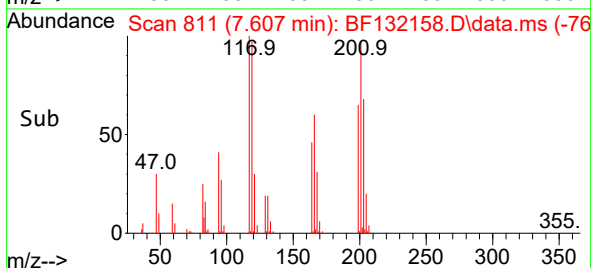
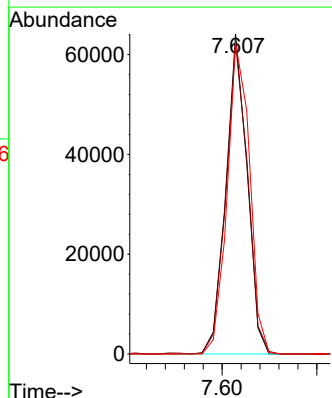
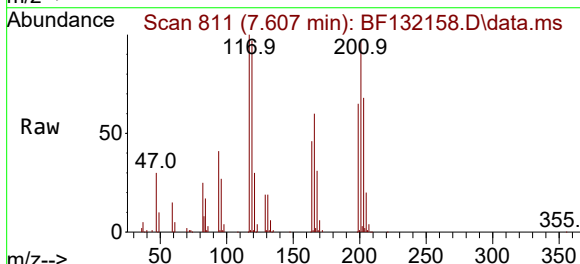
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

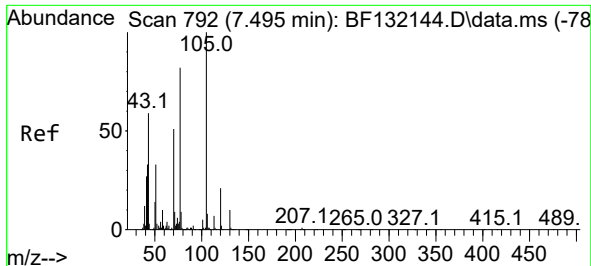
Tgt Ion:	107	Resp:	98102
Ion	Ratio	Lower	Upper
107	100		
108	110.8	92.8	139.2
77	47.6	41.1	61.7
79	48.1	39.6	59.4



#18
Hexachloroethane
Concen: 10.507 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:	117	Resp:	49723
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.4	113.0
201	97.4	77.9	116.9

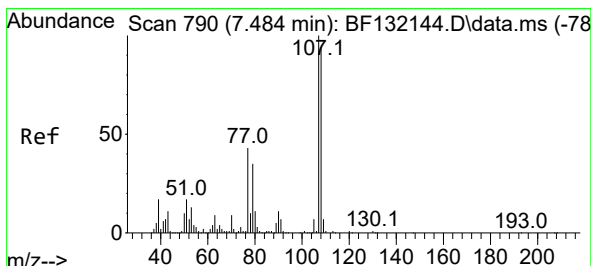
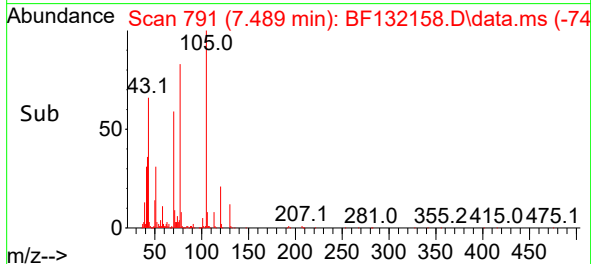
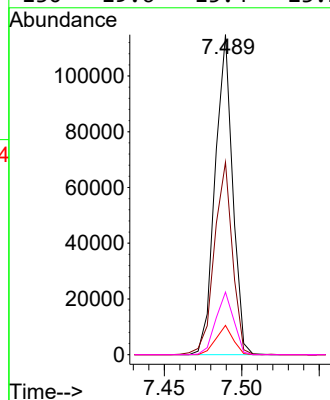
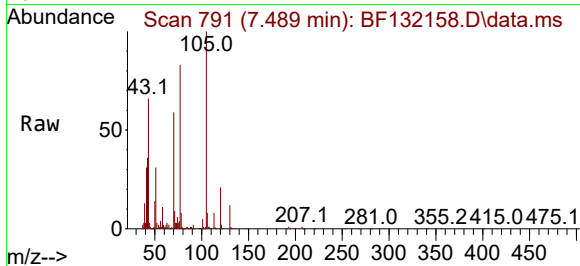




#19
n-Nitroso-di-n-propylamine
Concen: 10.401 ng
RT: 7.489 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

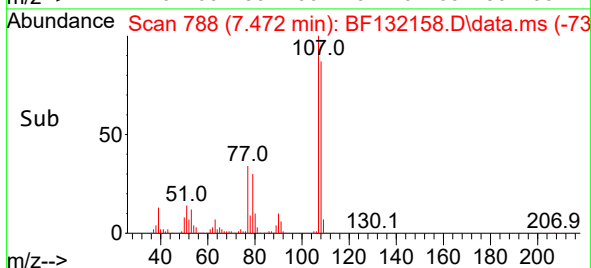
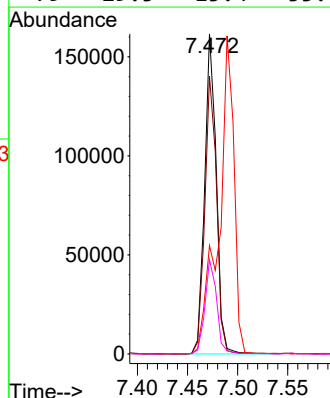
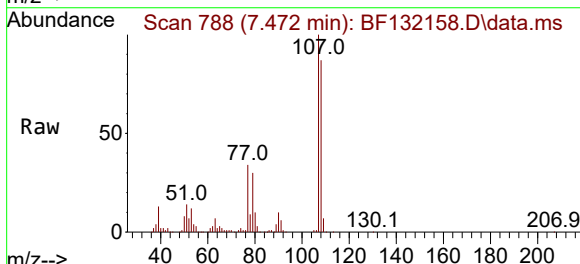
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

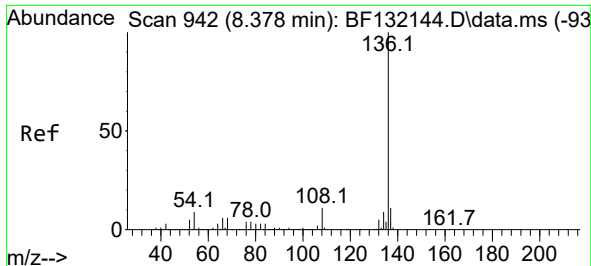
Tgt Ion:	70	Resp:	90179
Ion	Ratio	Lower	Upper
70	100		
42	60.2	51.0	76.4
101	9.1	7.3	10.9
130	19.6	15.4	23.2



#20
3+4-Methylphenols
Concen: 10.043 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.012 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:	107	Resp:	131044
Ion	Ratio	Lower	Upper
107	100		
108	86.8	73.8	113.8
77	33.9	22.8	62.8
79	29.5	15.4	55.4

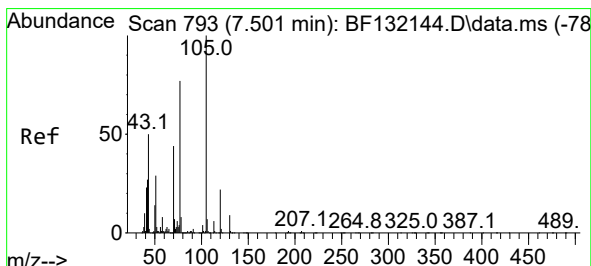
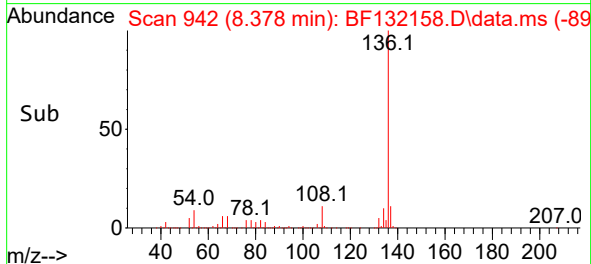
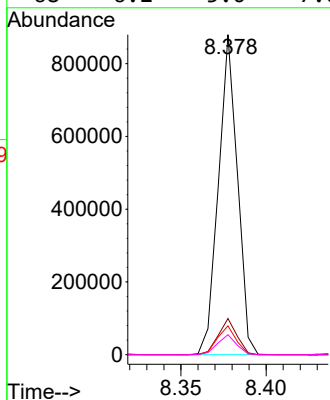
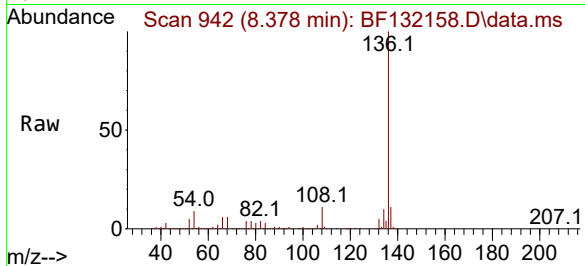




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

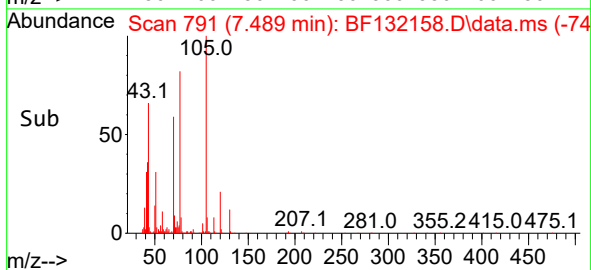
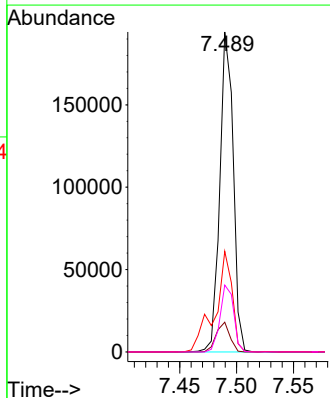
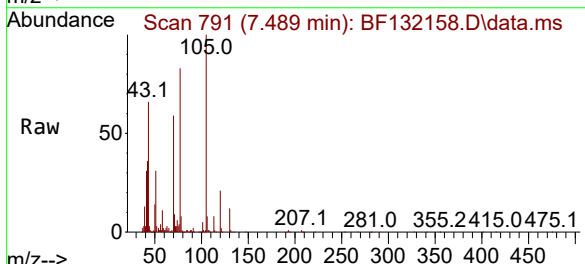
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

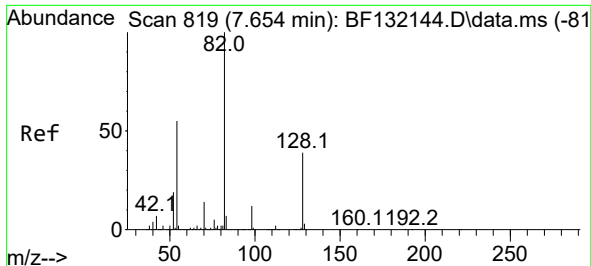
Tgt Ion:136 Resp: 681842
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.0 7.0 10.6
68 6.2 5.0 7.6



#22
Acetophenone
Concen: 9.785 ng
RT: 7.489 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:105 Resp: 160356
Ion Ratio Lower Upper
105 100
71 9.3 5.8 8.6#
51 31.5 23.0 34.6
120 20.9 17.6 26.4

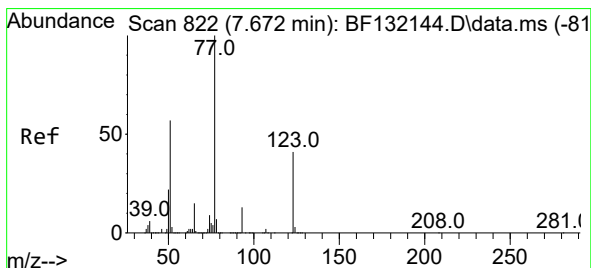
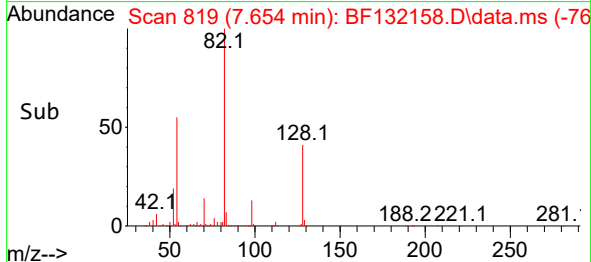
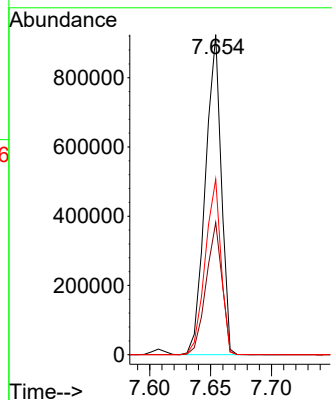
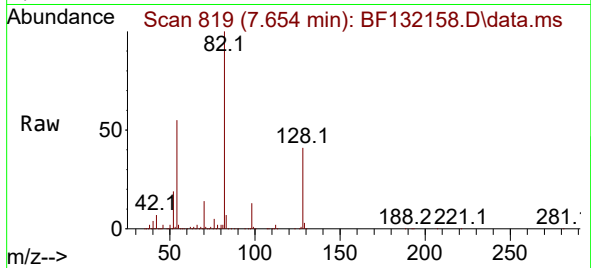




#23
Nitrobenzene-d5
Concen: 65.314 ng
RT: 7.654 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

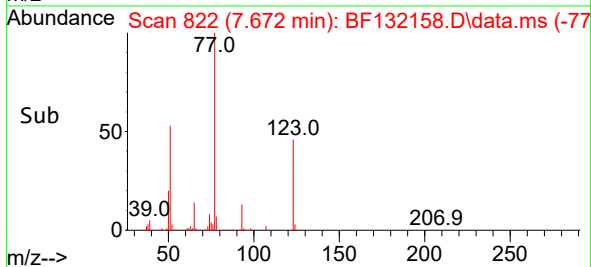
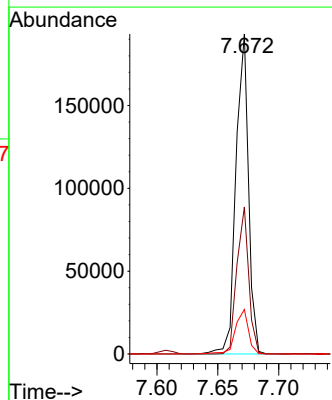
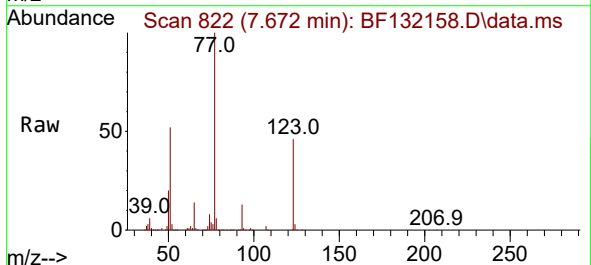
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

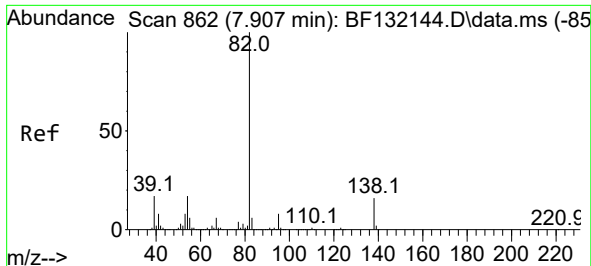
Tgt Ion: 82 Resp: 838317
Ion Ratio Lower Upper
82 100
128 41.3 31.1 46.7
54 54.8 43.9 65.9



#24
Nitrobenzene
Concen: 10.186 ng
RT: 7.672 min Scan# 822
Delta R.T. -0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 77 Resp: 138426
Ion Ratio Lower Upper
77 100
123 46.0 33.1 49.7
65 13.9 11.7 17.5

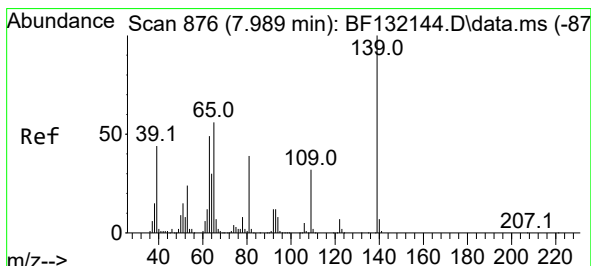
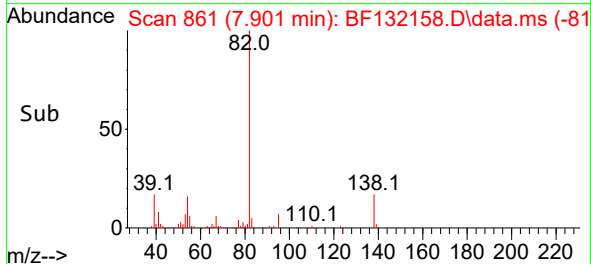
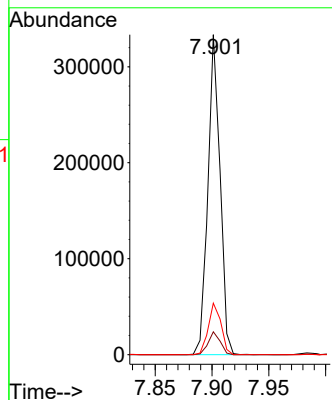
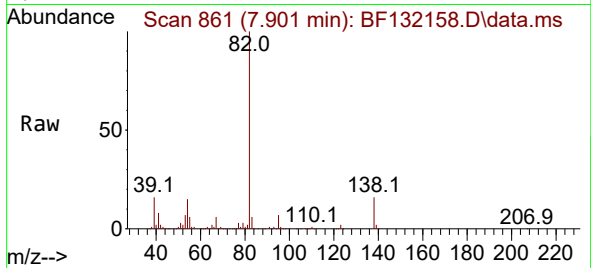




#25
Isophorone
Concen: 9.841 ng
RT: 7.901 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

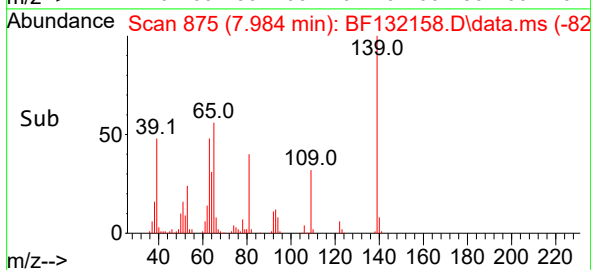
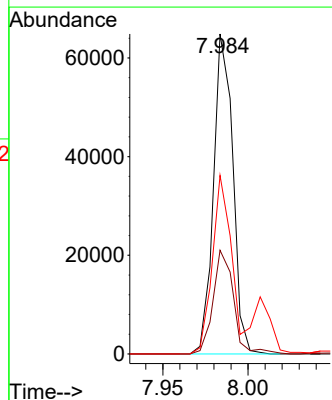
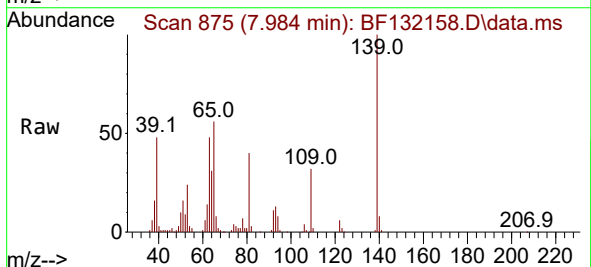
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

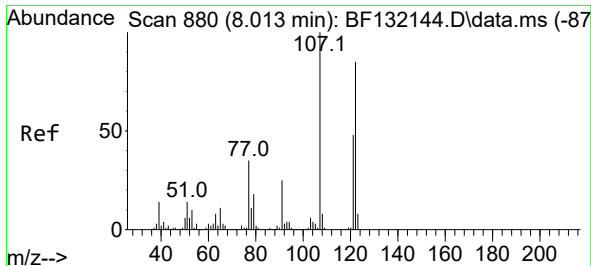
Tgt Ion: 82 Resp: 247137
Ion Ratio Lower Upper
82 100
95 7.2 6.2 9.2
138 16.1 12.9 19.3



#26
2-Nitrophenol
Concen: 11.810 ng
RT: 7.984 min Scan# 875
Delta R.T. -0.005 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion: 139 Resp: 51053
Ion Ratio Lower Upper
139 100
109 32.4 25.8 38.8
65 55.8 44.6 66.8





#27

2,4-Dimethylphenol

Concen: 8.048 ng

RT: 8.007 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

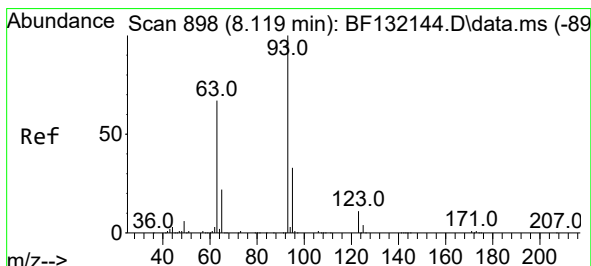
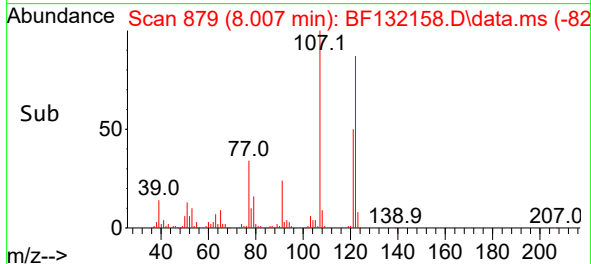
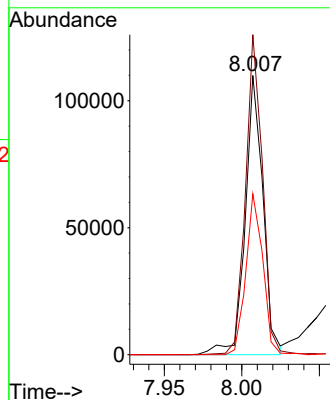
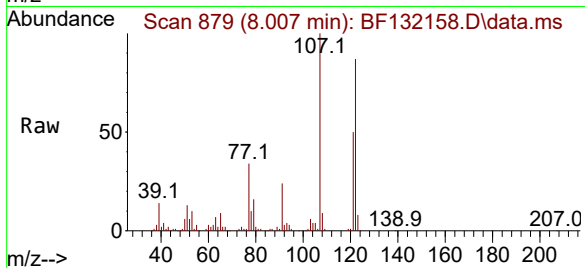
Tgt Ion:122 Resp: 87455

Ion Ratio Lower Upper

122 100

107 114.6 94.2 141.4

121 57.6 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.179 ng

RT: 8.113 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

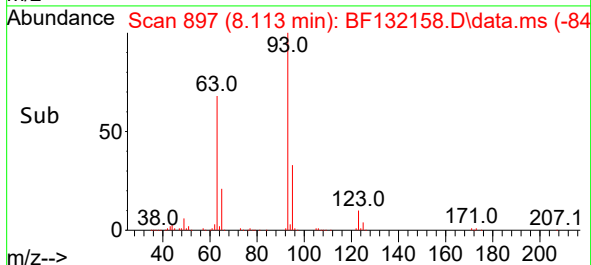
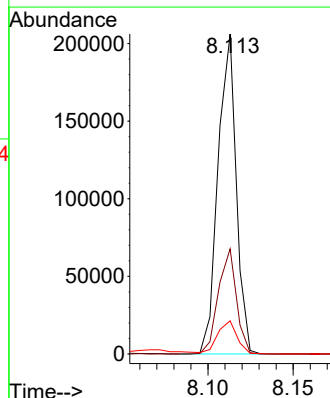
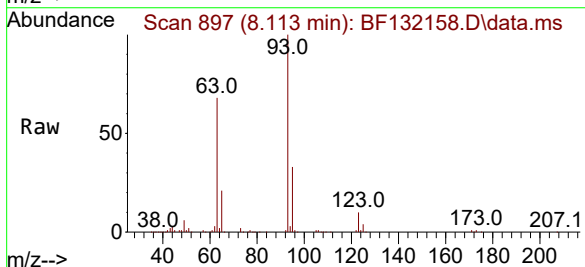
Tgt Ion: 93 Resp: 153372

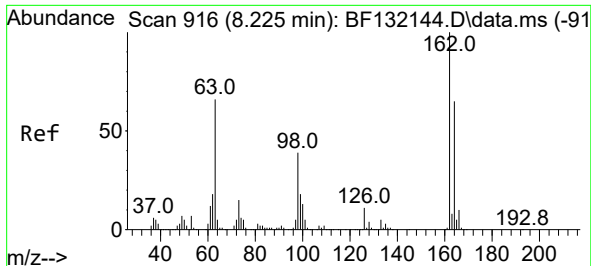
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 10.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.996 ng

RT: 8.219 min Scan# 916

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

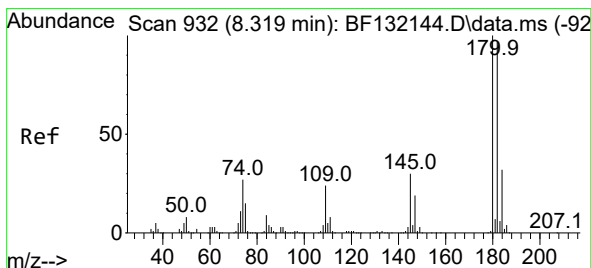
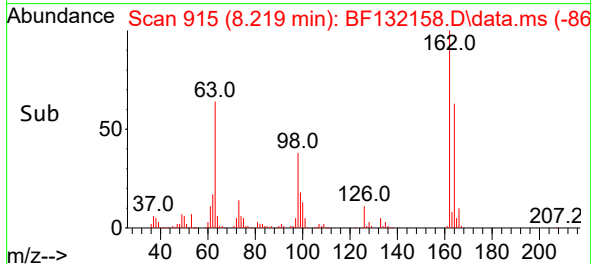
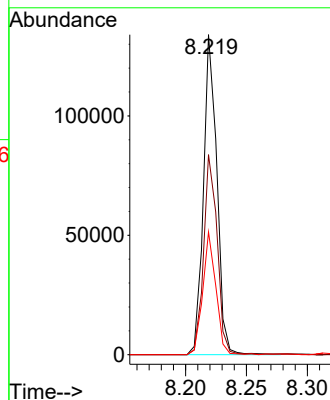
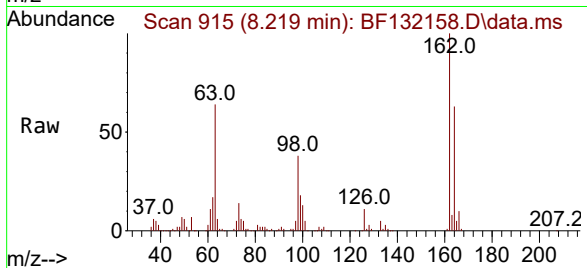
Tgt Ion:162 Resp: 103129

Ion Ratio Lower Upper

162 100

164 62.5 44.7 84.7

98 38.3 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 10.397 ng

RT: 8.313 min Scan# 931

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

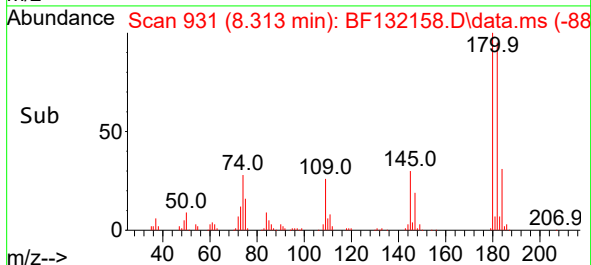
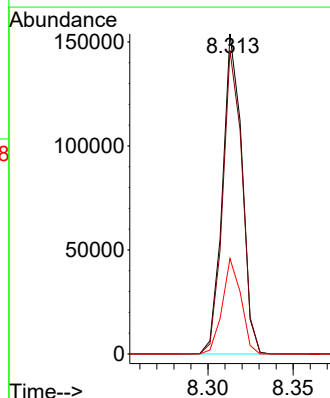
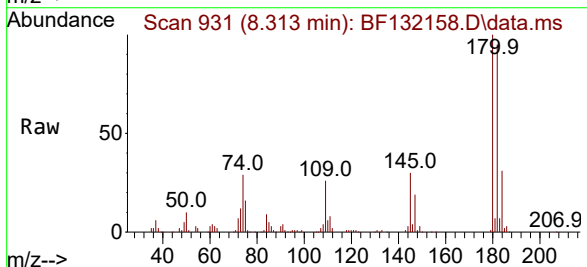
Tgt Ion:180 Resp: 121832

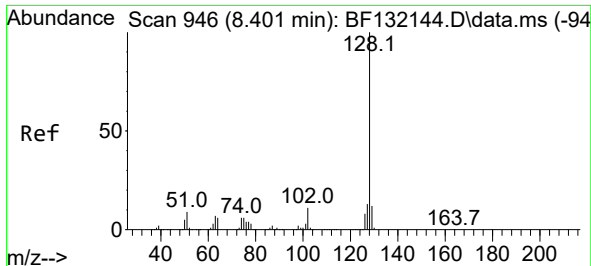
Ion Ratio Lower Upper

180 100

182 94.8 77.4 116.0

145 29.8 23.8 35.6

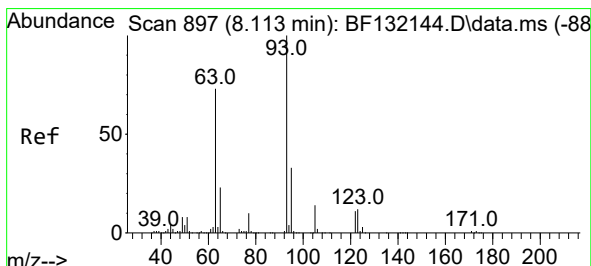
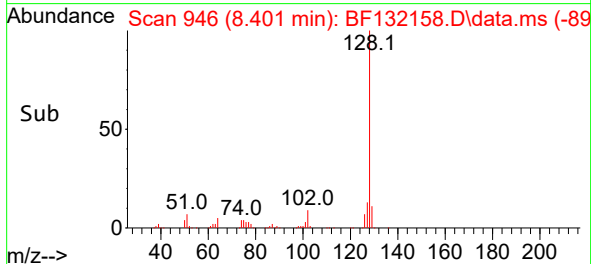
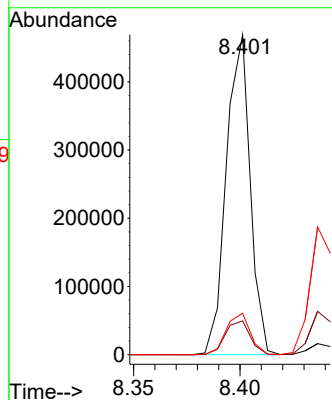
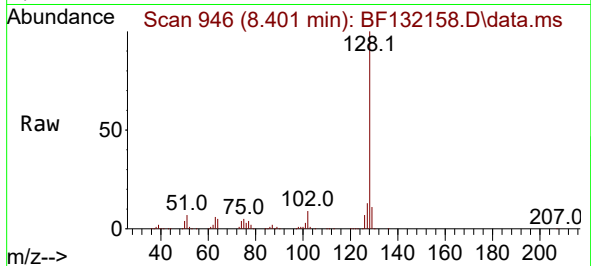




#31
Naphthalene
Concen: 10.439 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

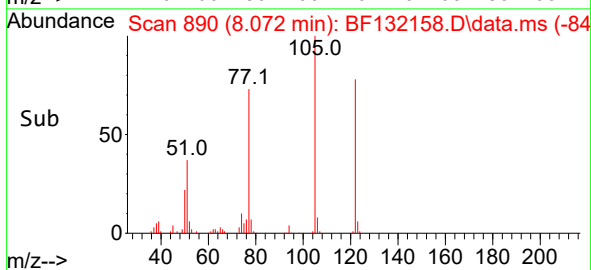
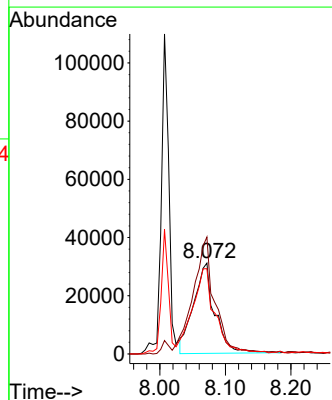
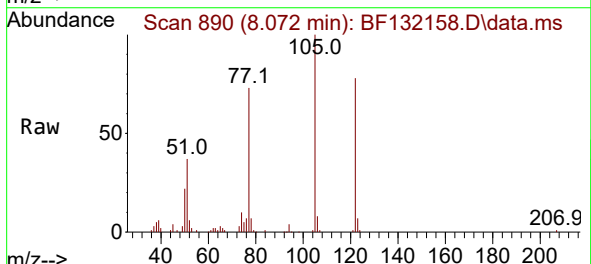
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

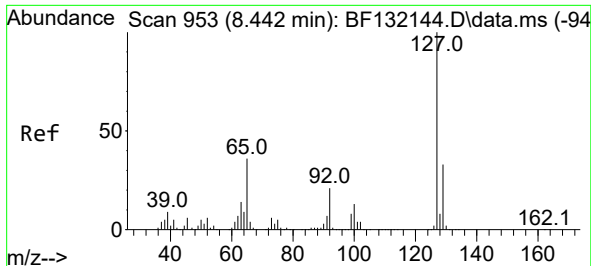
Tgt Ion:128 Resp: 365536
Ion Ratio Lower Upper
128 100
129 10.5 9.3 13.9
127 12.9 10.6 15.8



#32
Benzoic acid
Concen: 11.009 ng
RT: 8.072 min Scan# 890
Delta R.T. -0.041 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:122 Resp: 70057
Ion Ratio Lower Upper
122 100
105 128.7 96.8 136.8
77 93.8 72.5 112.5

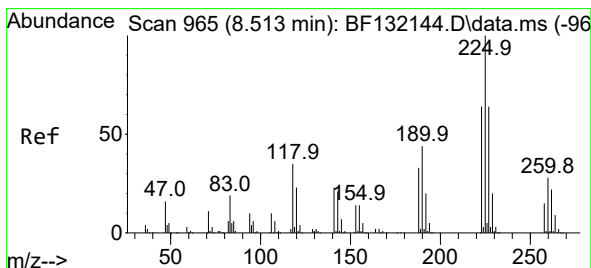
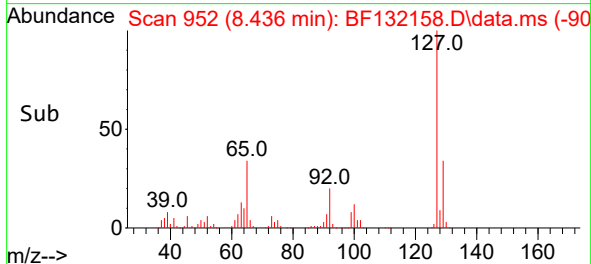
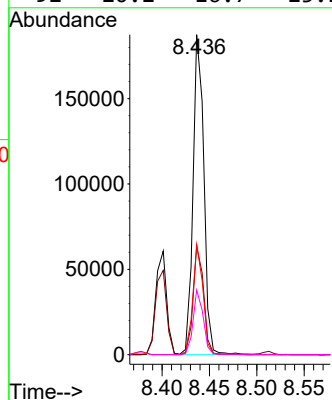
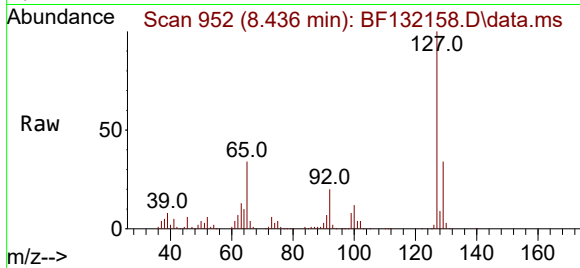




#33
4-Chloroaniline
Concen: 10.028 ng
RT: 8.436 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

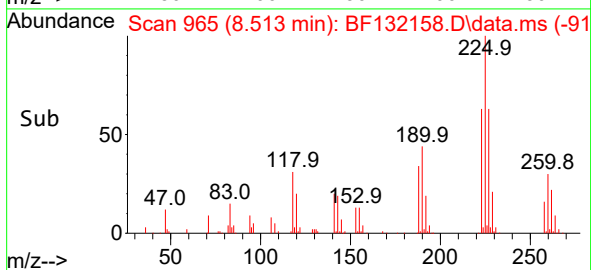
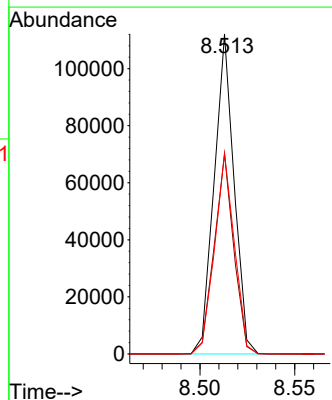
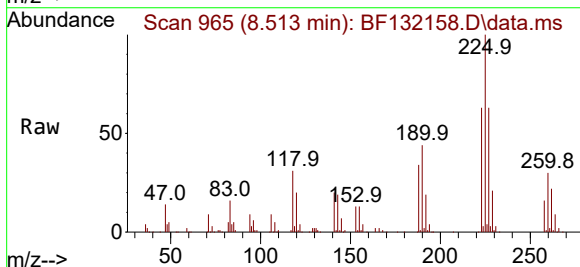
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

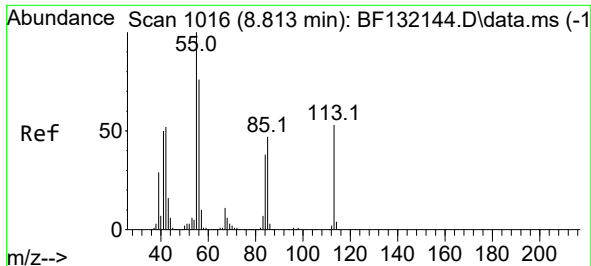
Tgt Ion:	127	Resp:	150281
Ion	Ratio	Lower	Upper
127	100		
129	34.0	26.0	39.0
65	34.5	28.4	42.6
92	20.2	16.7	25.1



#34
Hexachlorobutadiene
Concen: 10.414 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

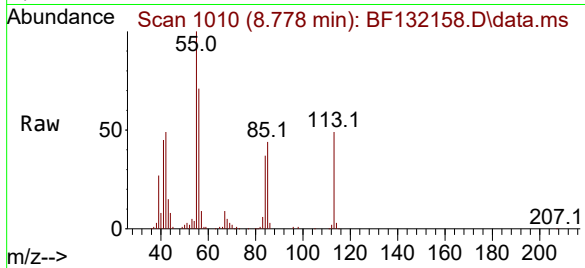
Tgt Ion:	225	Resp:	81974
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.9	76.3
227	62.8	50.8	76.2



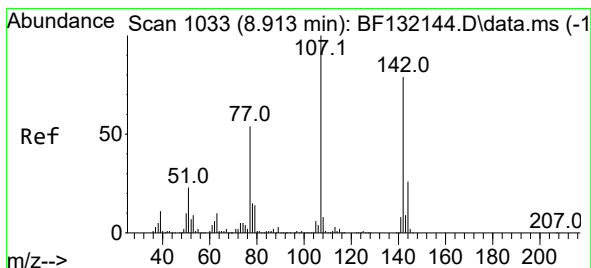
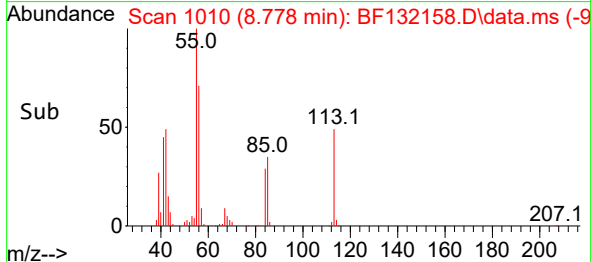
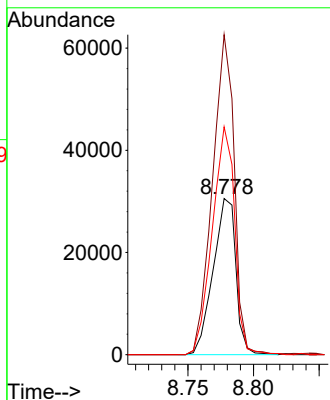


#35
 Caprolactam
 Concen: 12.577 ng
 RT: 8.778 min Scan# 1010
 Delta R.T. -0.035 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

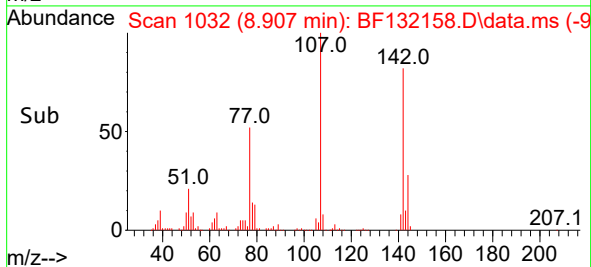
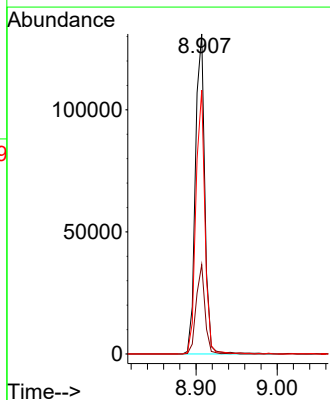
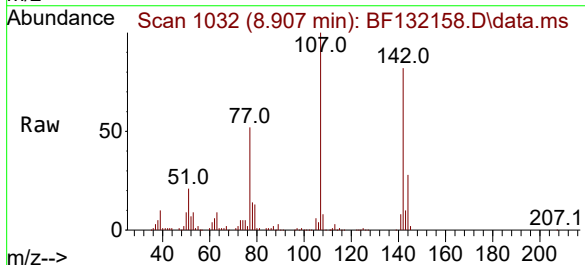


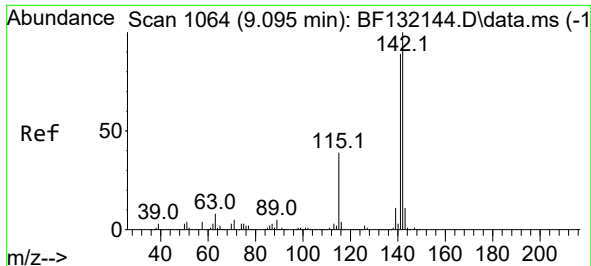
Tgt Ion:113 Resp: 36796
 Ion Ratio Lower Upper
 113 100
 55 204.8 167.5 207.5
 56 145.8 122.0 162.0



#36
 4-Chloro-3-methylphenol
 Concen: 10.204 ng
 RT: 8.907 min Scan# 1032
 Delta R.T. -0.006 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Tgt Ion:107 Resp: 105940
 Ion Ratio Lower Upper
 107 100
 144 27.9 21.0 31.4
 142 82.4 63.6 95.4

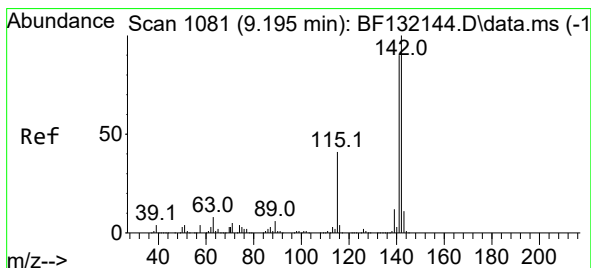
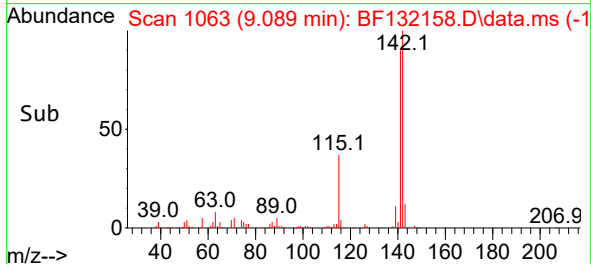
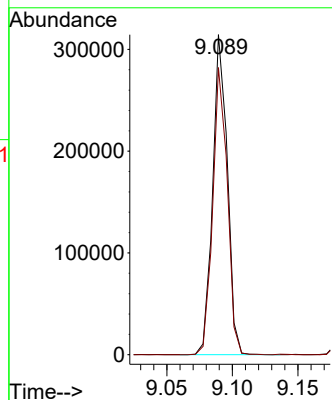
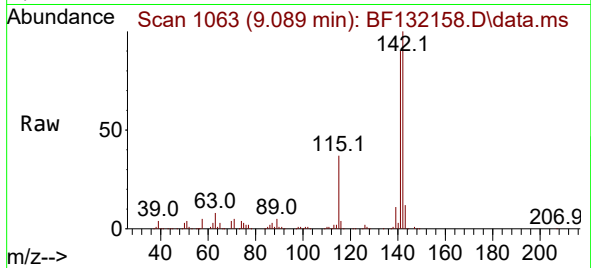




#37
2-Methylnaphthalene
Concen: 10.103 ng
RT: 9.089 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

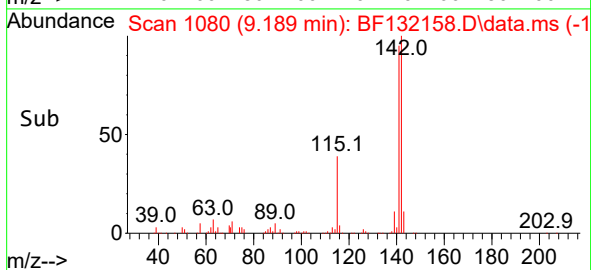
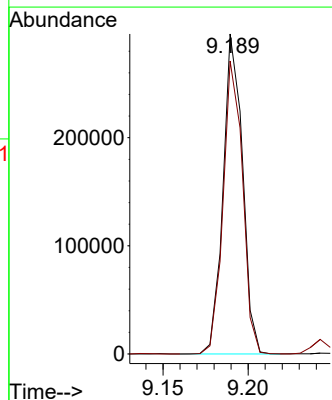
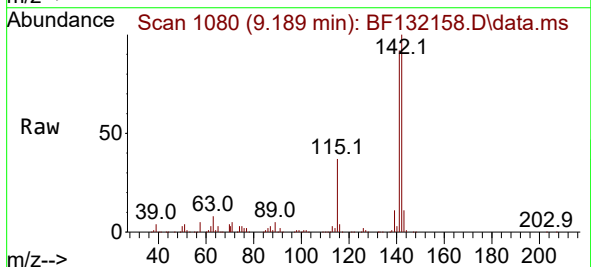
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

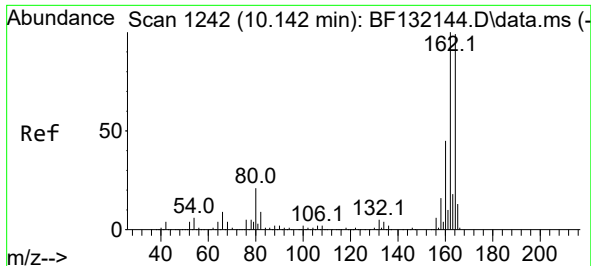
Tgt Ion:142 Resp: 243579
Ion Ratio Lower Upper
142 100
141 89.7 71.1 106.7



#38
1-Methylnaphthalene
Concen: 10.469 ng
RT: 9.189 min Scan# 1080
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:142 Resp: 234854
Ion Ratio Lower Upper
142 100
141 91.5 72.1 108.1

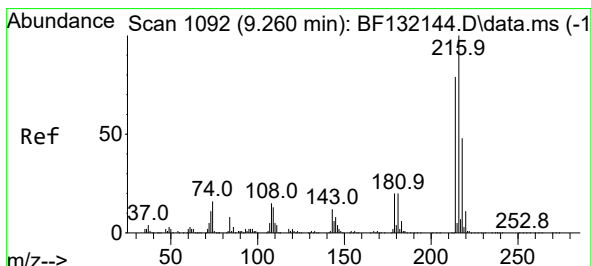
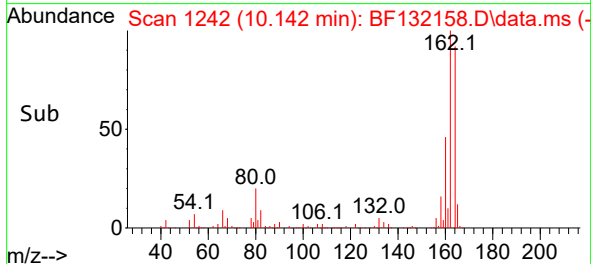
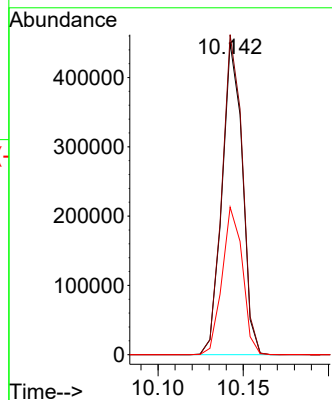
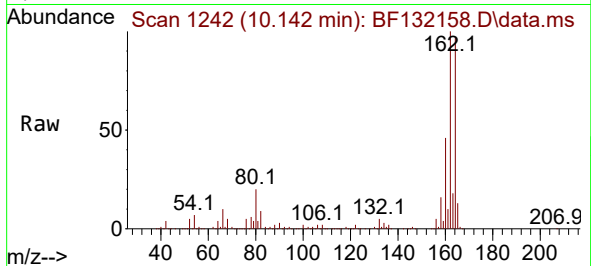




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

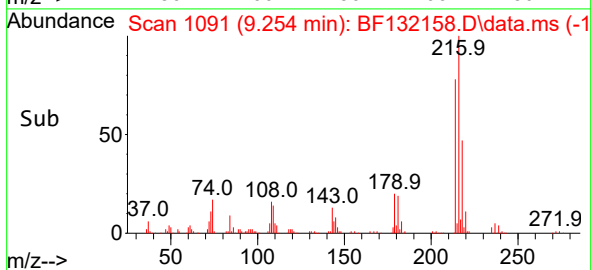
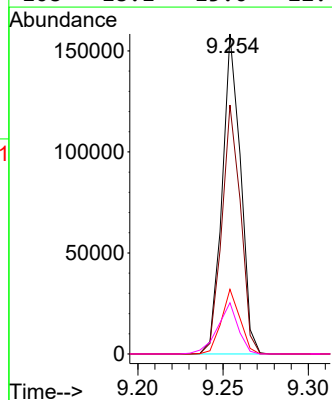
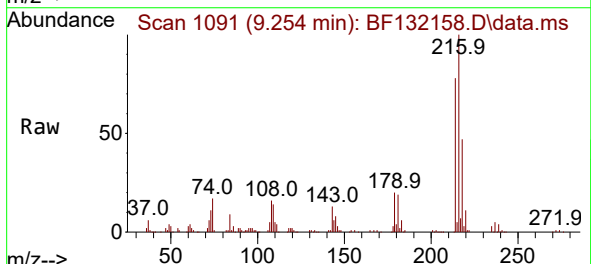
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

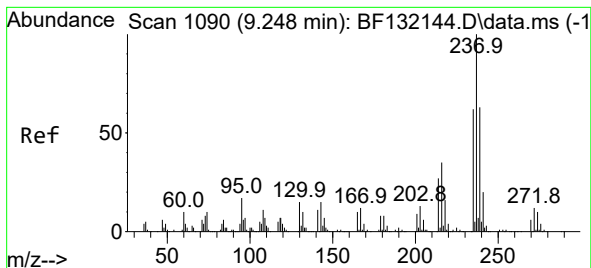
Tgt Ion:164 Resp: 372635
Ion Ratio Lower Upper
164 100
162 102.7 81.2 121.8
160 47.4 36.9 55.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.163 ng
RT: 9.254 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:216 Resp: 118799
Ion Ratio Lower Upper
216 100
214 79.1 63.1 94.7
179 20.3 16.6 24.8
108 18.1 15.0 22.4





#41

Hexachlorocyclopentadiene

Concen: 10.887 ng

RT: 9.242 min Scan# 1090

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

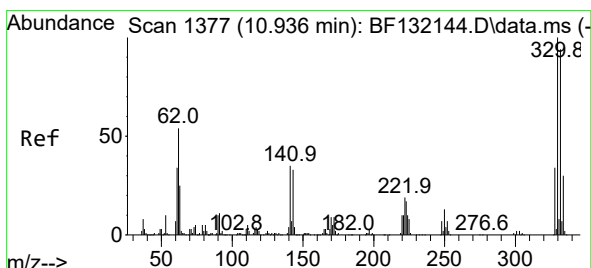
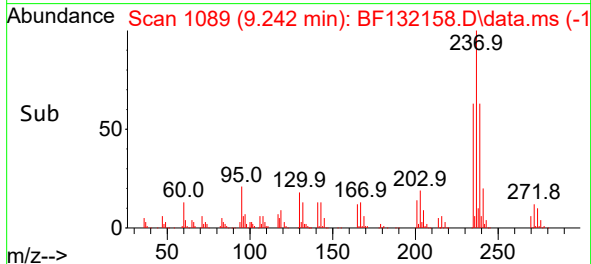
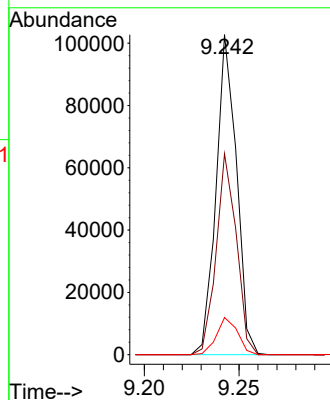
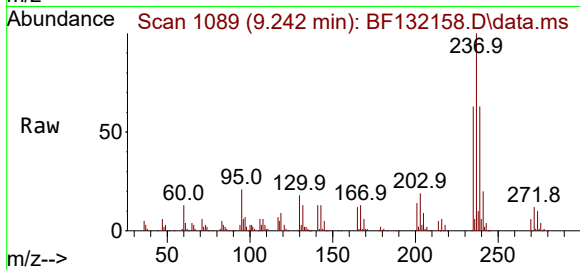
Tgt Ion:237 Resp: 77024

Ion Ratio Lower Upper

237 100

235 62.8 41.7 81.7

272 11.6 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 100.495 ng

RT: 10.936 min Scan# 1377

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

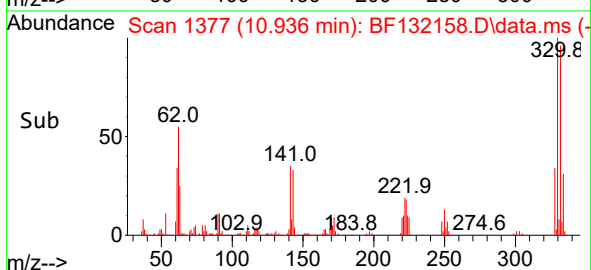
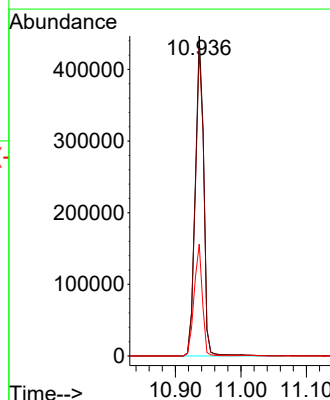
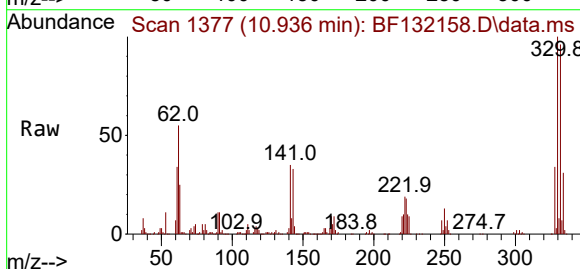
Tgt Ion:330 Resp: 400000

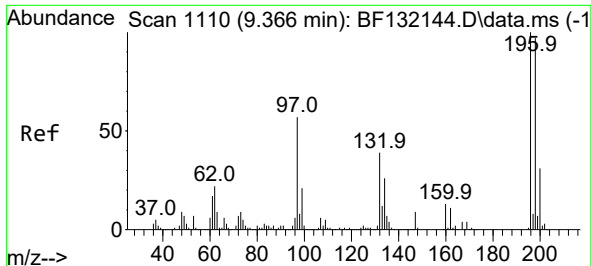
Ion Ratio Lower Upper

330 100

332 96.0 75.6 113.4

141 34.0 27.1 40.7

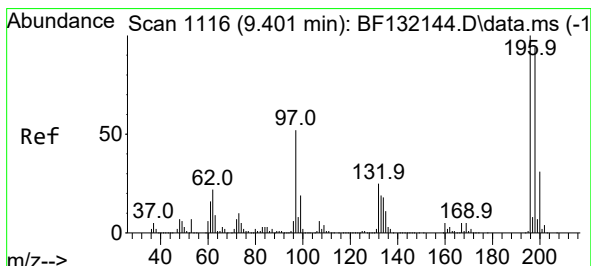
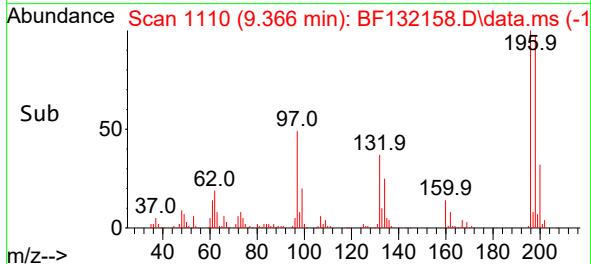
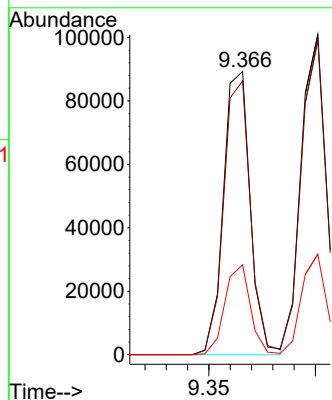
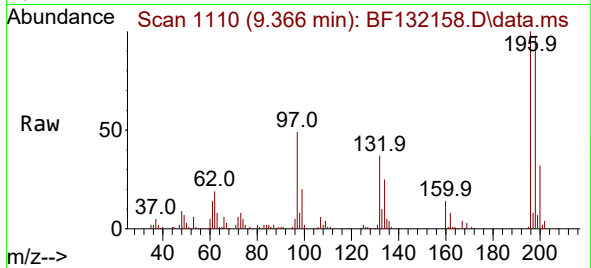




#43
2,4,6-Trichlorophenol
Concen: 9.734 ng
RT: 9.366 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

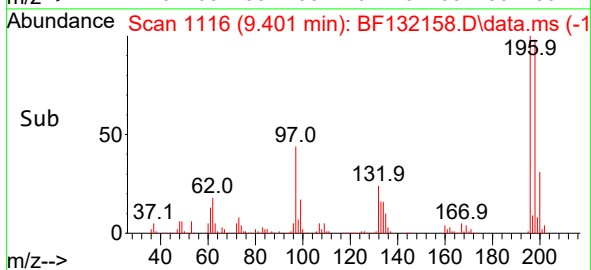
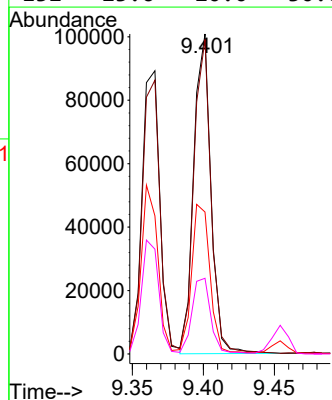
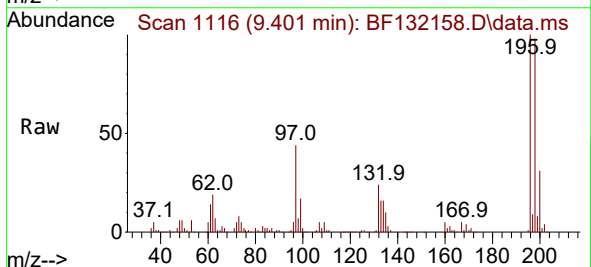
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

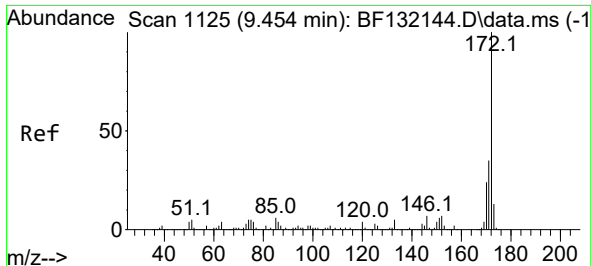
Tgt Ion:196 Resp: 78320
Ion Ratio Lower Upper
196 100
198 96.7 77.4 116.2
200 31.7 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 9.061 ng
RT: 9.401 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:196 Resp: 85265
Ion Ratio Lower Upper
196 100
198 98.3 75.3 112.9
97 44.3 41.3 61.9
132 23.6 20.0 30.0

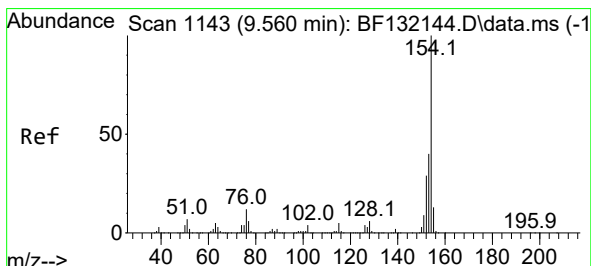
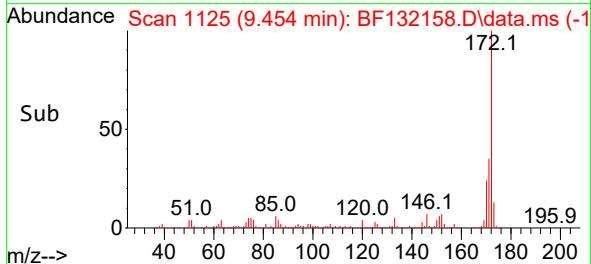
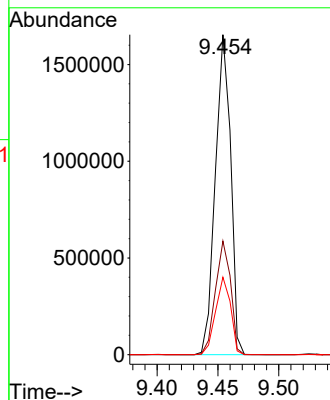
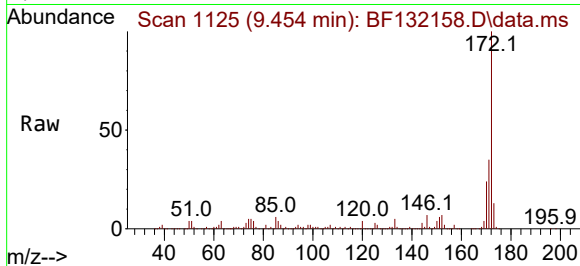




#45
2-Fluorobiphenyl
Concen: 56.873 ng
RT: 9.454 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

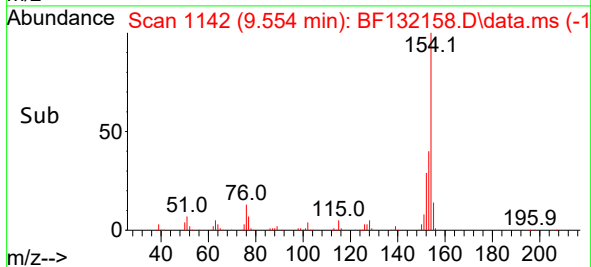
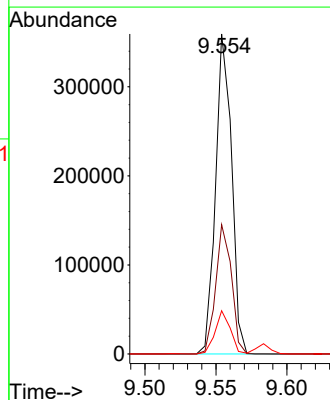
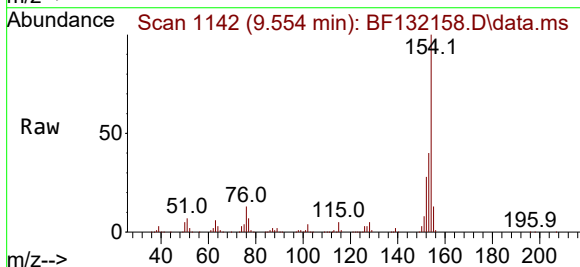
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

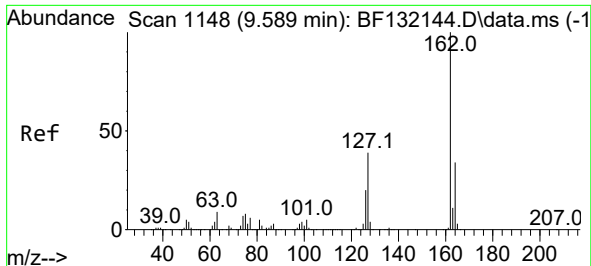
Tgt Ion:172 Resp: 1450355
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 24.2 19.6 29.4



#46
1,1'-Biphenyl
Concen: 9.537 ng
RT: 9.554 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:154 Resp: 280386
Ion Ratio Lower Upper
154 100
153 40.4 20.2 60.2
76 13.5 0.0 32.2





#47

2-Chloronaphthalene

Concen: 10.618 ng

RT: 9.583 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

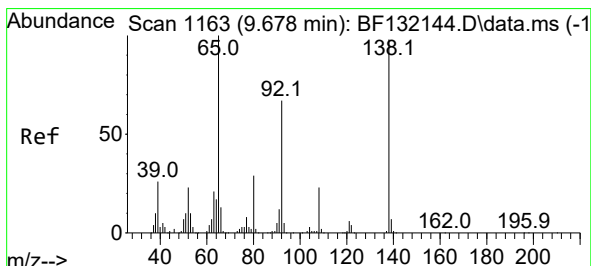
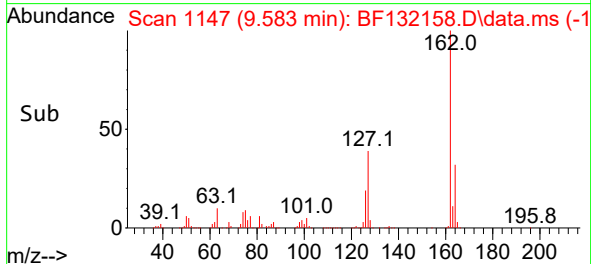
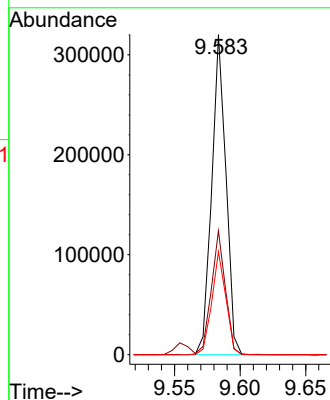
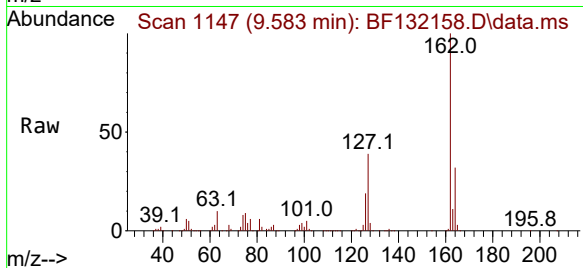
Tgt Ion:162 Resp: 241308

Ion Ratio Lower Upper

162 100

127 38.7 31.1 46.7

164 32.2 26.9 40.3



#48

2-Nitroaniline

Concen: 10.031 ng

RT: 9.672 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

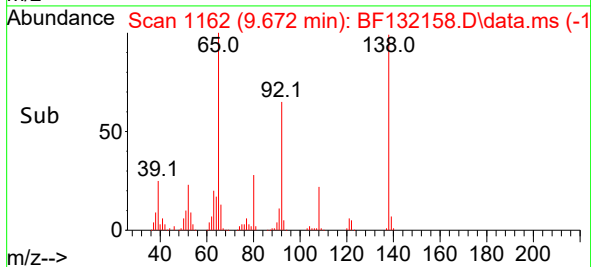
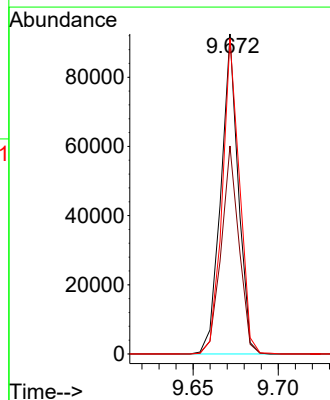
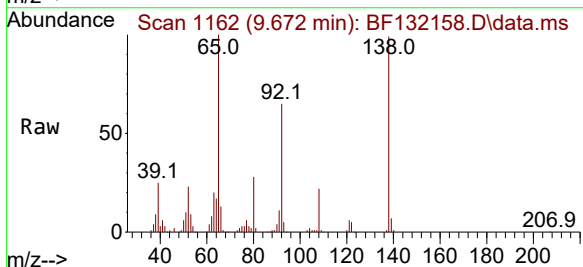
Tgt Ion: 65 Resp: 65635

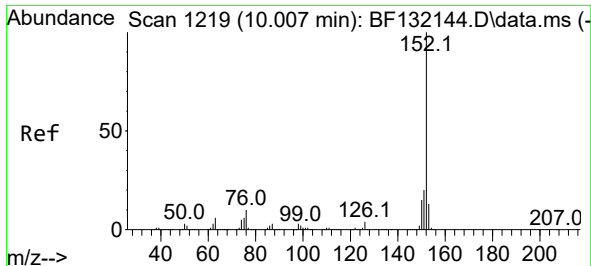
Ion Ratio Lower Upper

65 100

92 65.0 53.8 80.6

138 98.6 78.7 118.1

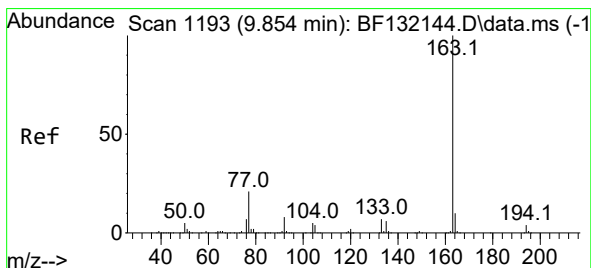
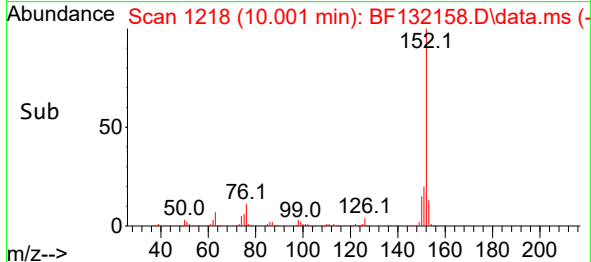
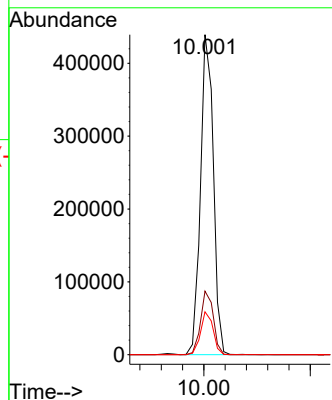
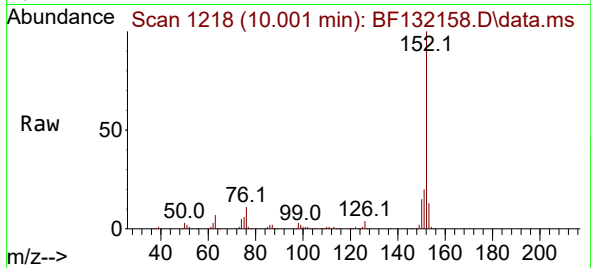




#49
Acenaphthylene
Concen: 10.160 ng
RT: 10.001 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

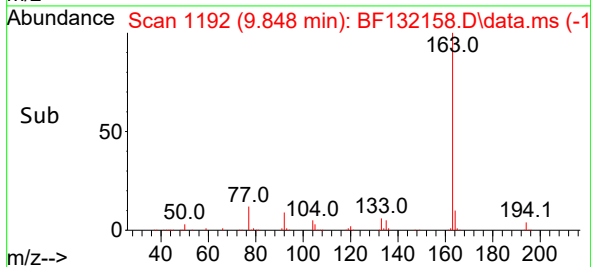
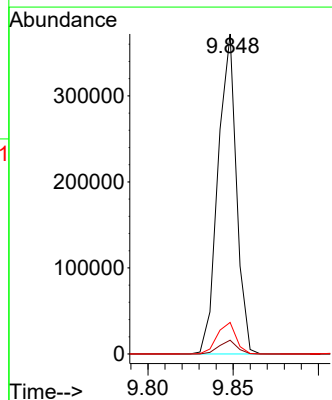
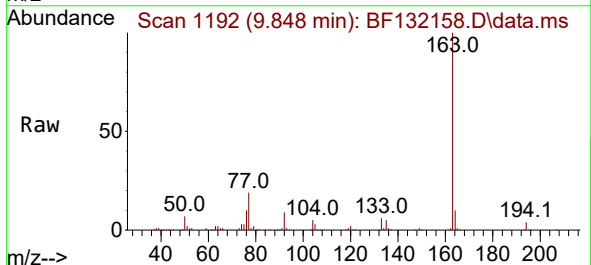
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

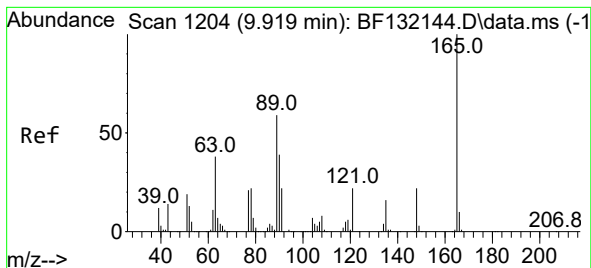
Tgt Ion:152 Resp: 369371
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 13.4 10.6 15.8



#50
Dimethylphthalate
Concen: 10.359 ng
RT: 9.848 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:163 Resp: 279576
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 9.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 10.557 ng

RT: 9.913 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

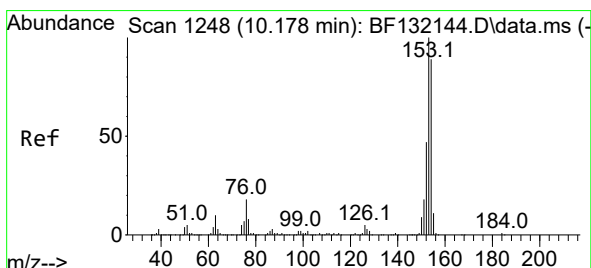
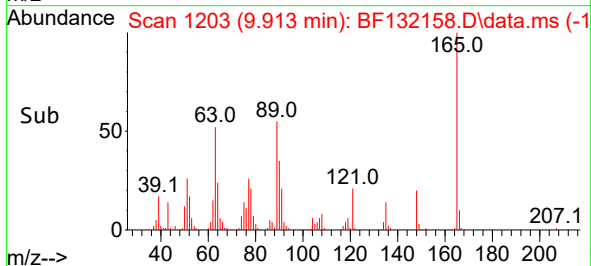
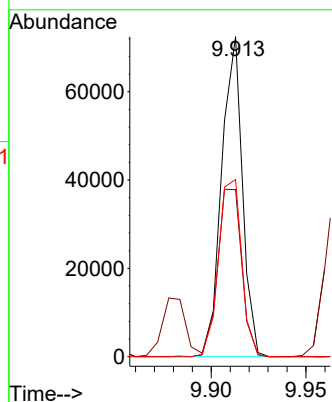
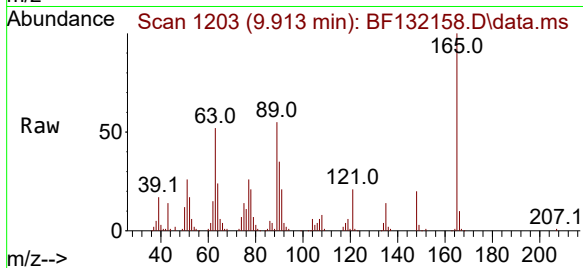
Tgt Ion:165 Resp: 55225

Ion Ratio Lower Upper

165 100

63 52.2 46.6 70.0

89 55.4 47.4 71.2



#52

Acenaphthene

Concen: 10.218 ng

RT: 10.178 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

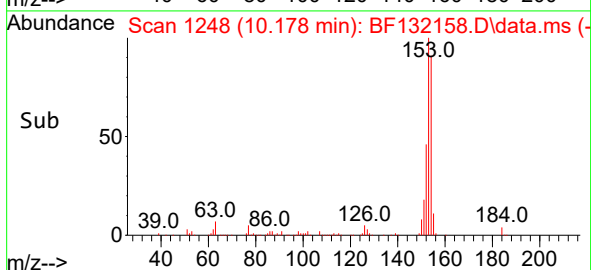
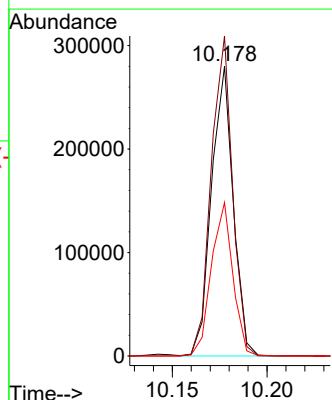
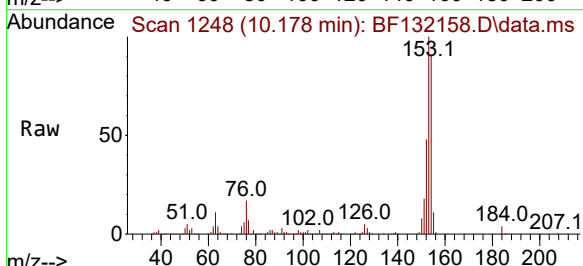
Tgt Ion:154 Resp: 223438

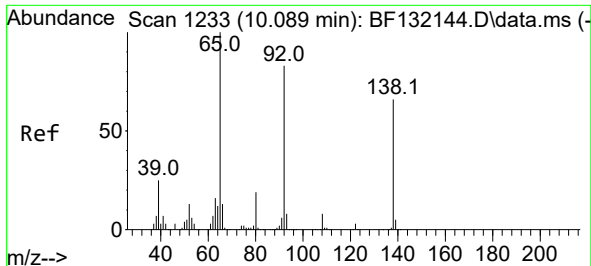
Ion Ratio Lower Upper

154 100

153 110.4 89.8 134.8

152 52.9 42.3 63.5

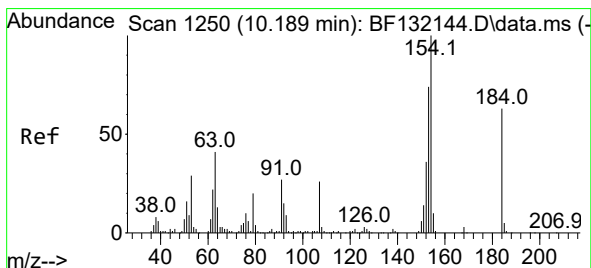
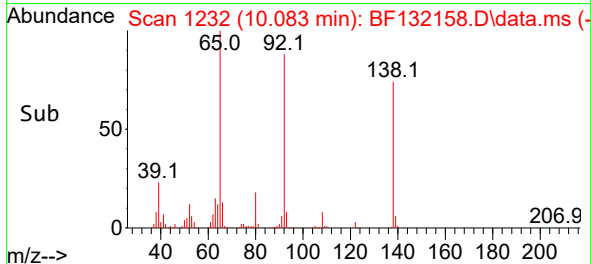
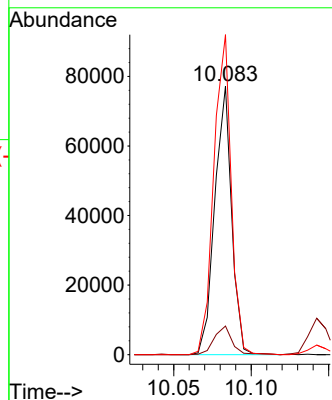
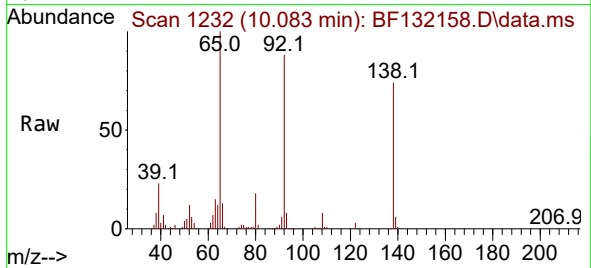




#53
3-Nitroaniline
Concen: 10.452 ng
RT: 10.083 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

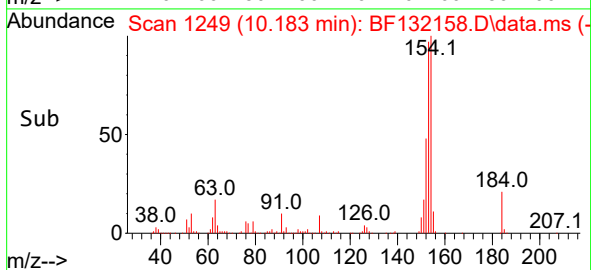
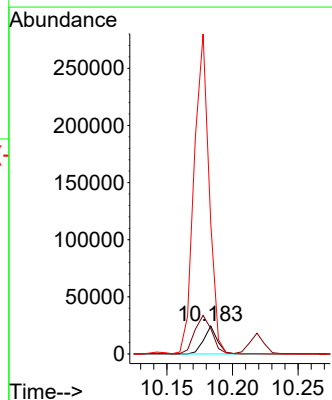
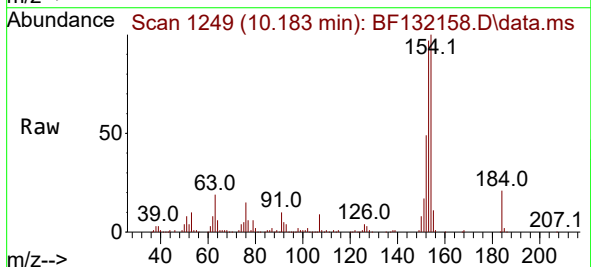
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

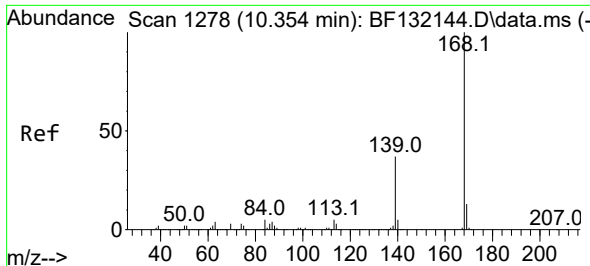
Tgt Ion:138 Resp: 58459
Ion Ratio Lower Upper
138 100
108 10.7 9.1 13.7
92 119.1 101.2 151.8



#54
2,4-Dinitrophenol
Concen: 8.804 ng
RT: 10.183 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:184 Resp: 17757
Ion Ratio Lower Upper
184 100
63 90.6 53.2 79.8#
154 466.0 129.4 194.0#

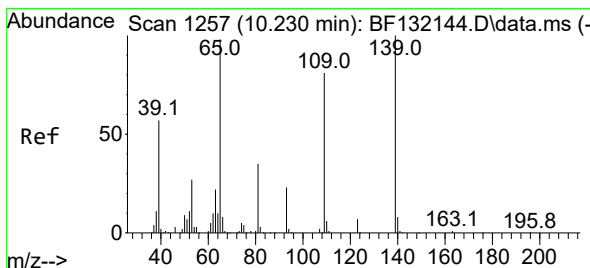
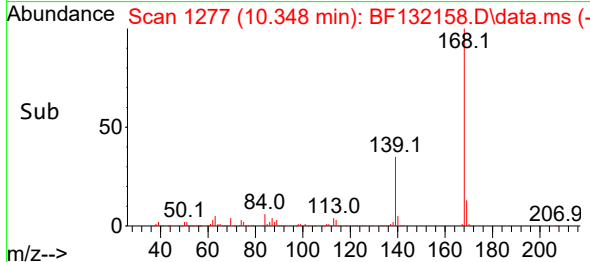
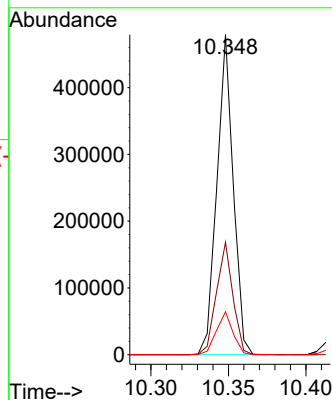
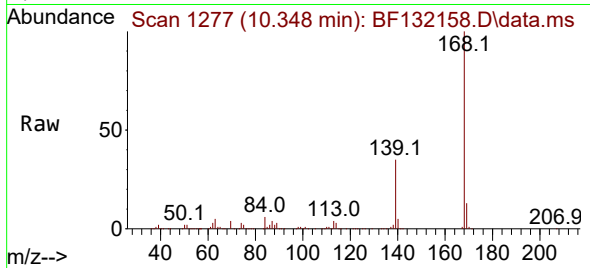




#55
Dibenzenofuran
Concen: 10.394 ng
RT: 10.348 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

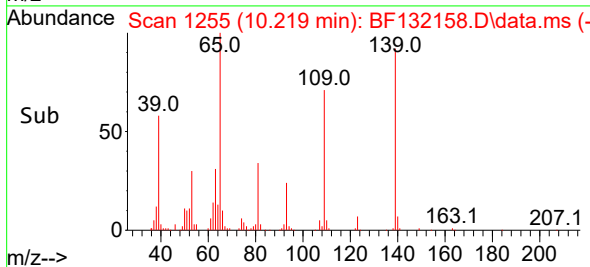
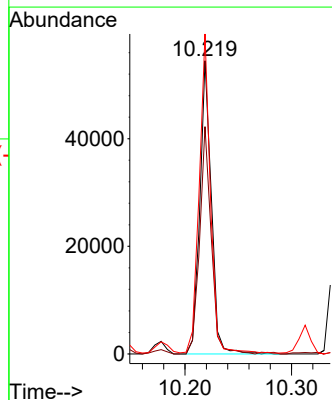
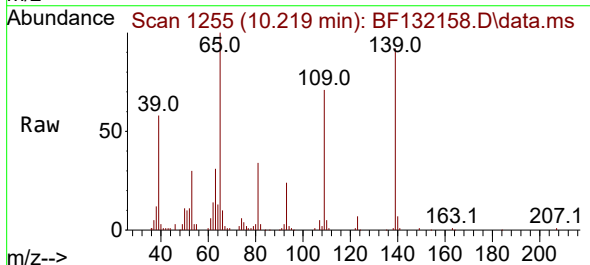
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

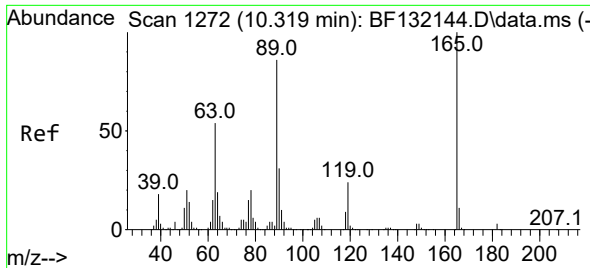
Tgt Ion:168 Resp: 351244
Ion Ratio Lower Upper
168 100
139 35.2 29.8 44.8
169 13.4 10.3 15.5



#56
4-Nitrophenol
Concen: 10.127 ng
RT: 10.219 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:139 Resp: 41220
Ion Ratio Lower Upper
139 100
109 77.5 61.0 101.0
65 109.1 79.3 119.3

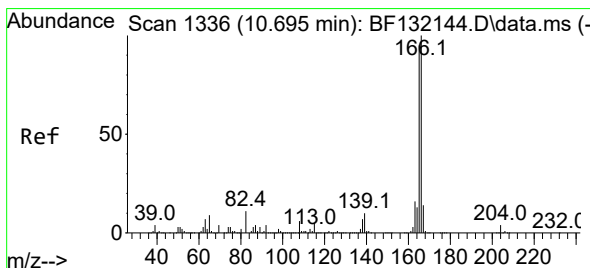
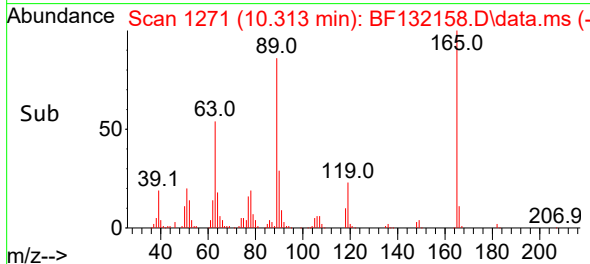
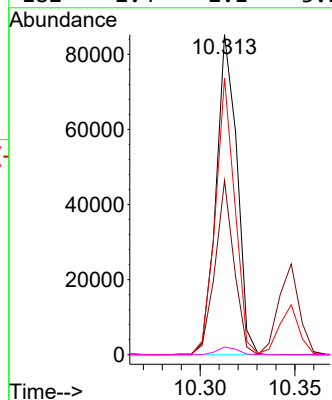
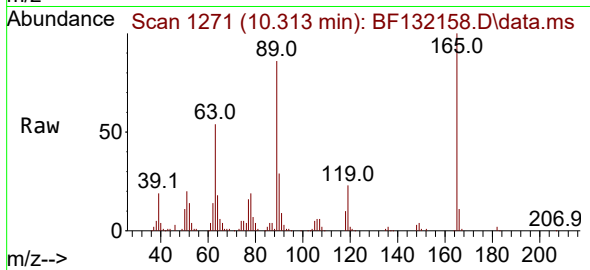




#57
2,4-Dinitrotoluene
Concen: 10.399 ng
RT: 10.313 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

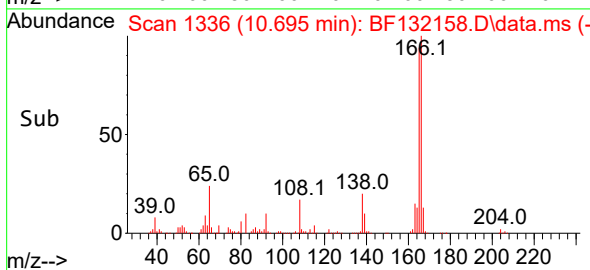
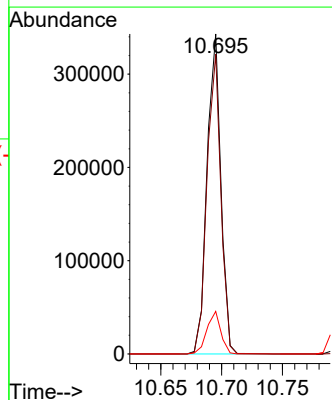
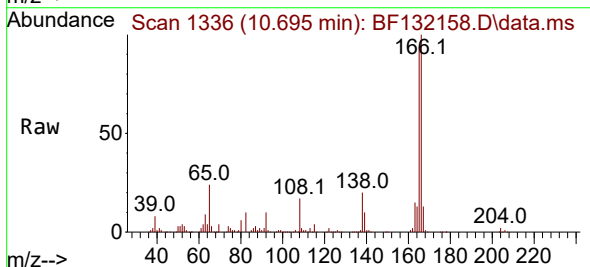
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

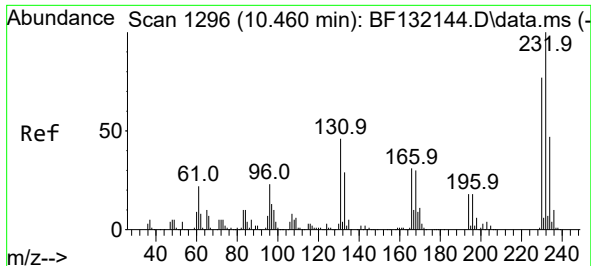
Tgt Ion:	165	Resp:	65294
Ion Ratio	Lower	Upper	
165	100		
63	54.4	43.5	65.3
89	86.4	69.0	103.6
182	2.4	2.1	3.1



#58
Fluorene
Concen: 10.837 ng
RT: 10.695 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:	166	Resp:	271360
Ion Ratio	Lower	Upper	
166	100		
165	93.6	76.4	114.6
167	13.3	11.0	16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.967 ng

RT: 10.460 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:232 Resp: 71351

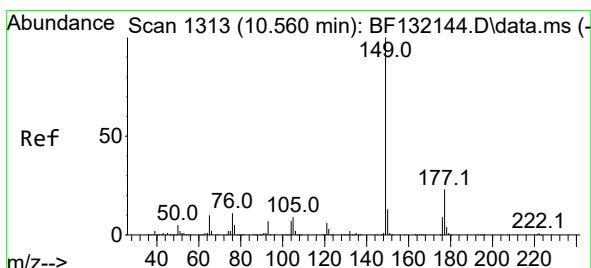
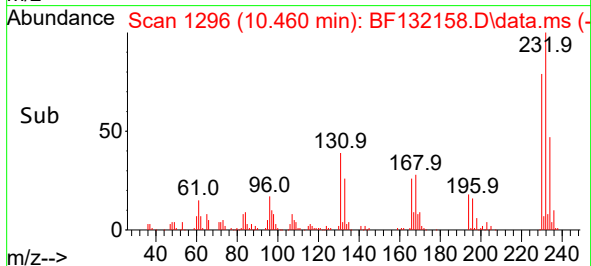
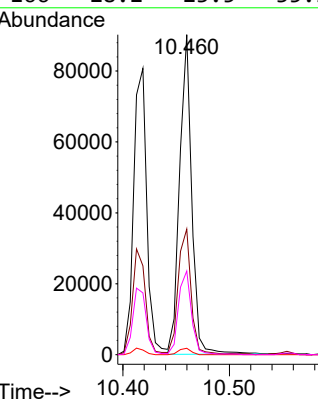
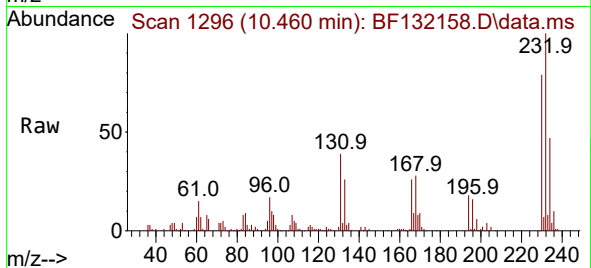
Ion Ratio Lower Upper

232 100

131 40.9 33.8 50.6

130 2.1 1.9 2.9

166 28.2 23.5 35.3



#60

Diethylphthalate

Concen: 10.192 ng

RT: 10.554 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

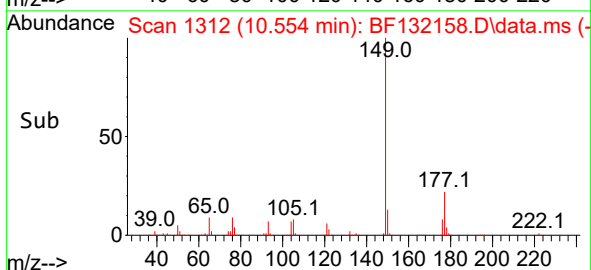
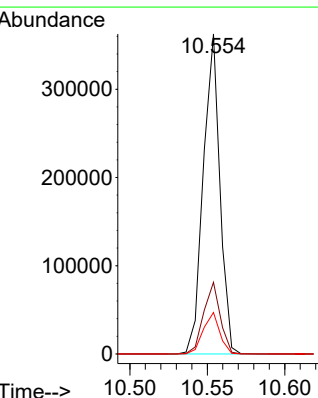
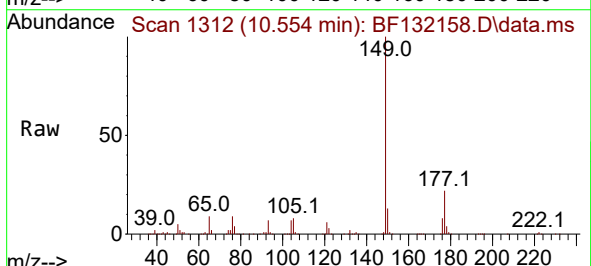
Tgt Ion:149 Resp: 269744

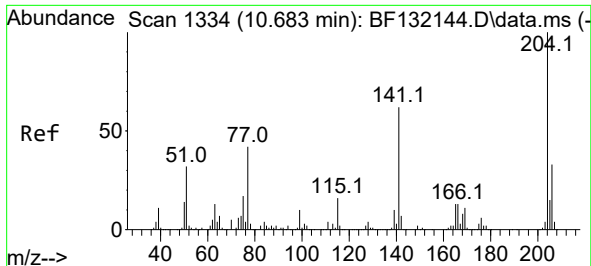
Ion Ratio Lower Upper

149 100

177 22.4 18.4 27.6

150 13.0 10.1 15.1

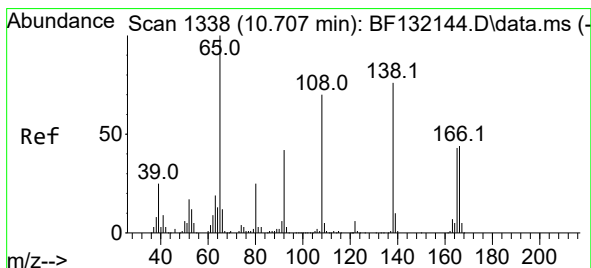
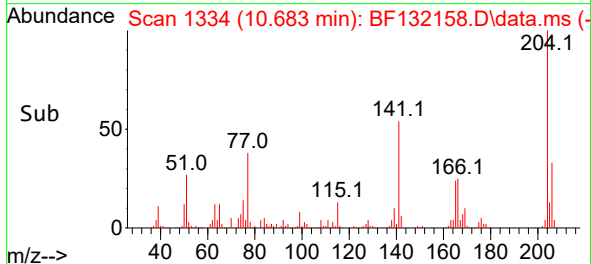
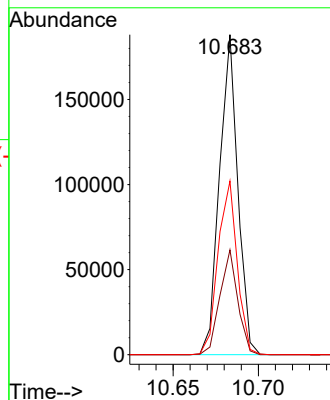
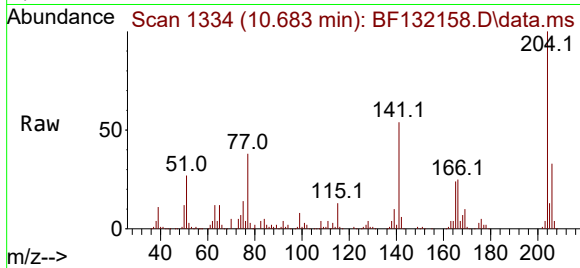




#61
4-Chlorophenyl-phenylether
Concen: 10.486 ng
RT: 10.683 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

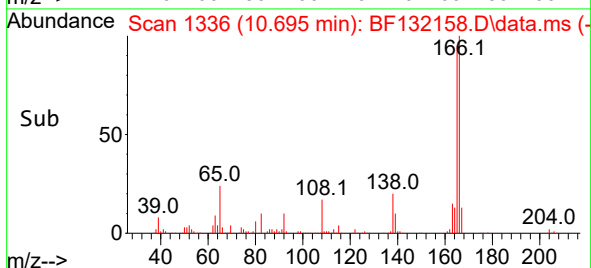
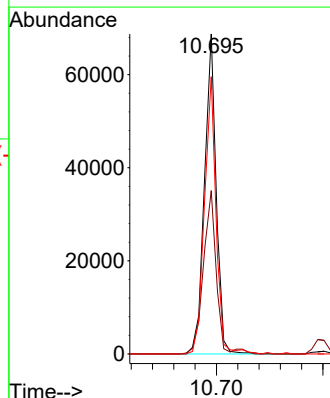
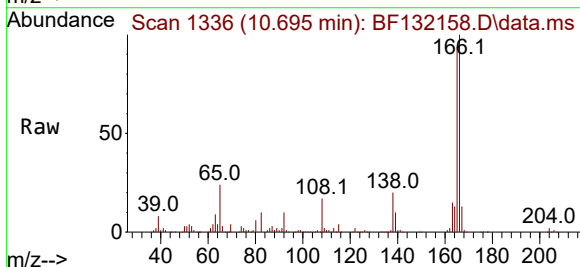
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

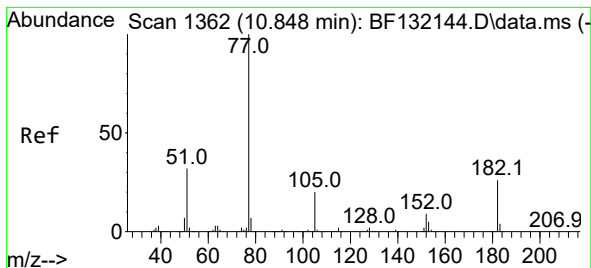
Tgt Ion:204 Resp: 140602
Ion Ratio Lower Upper
204 100
206 32.7 26.4 39.6
141 54.2 49.2 73.8



#62
4-Nitroaniline
Concen: 10.145 ng
RT: 10.695 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:138 Resp: 52823
Ion Ratio Lower Upper
138 100
92 51.0 35.9 75.9
108 86.6 72.0 112.0





#63

Azobenzene

Concen: 9.933 ng

RT: 10.842 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 263830

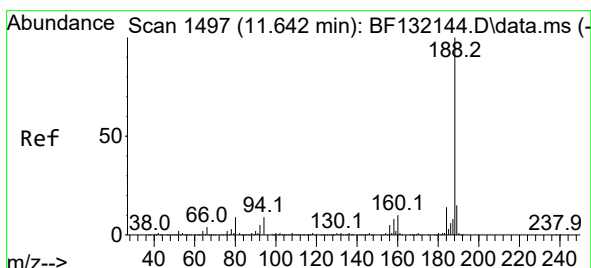
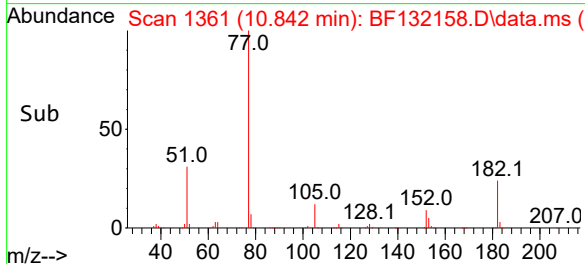
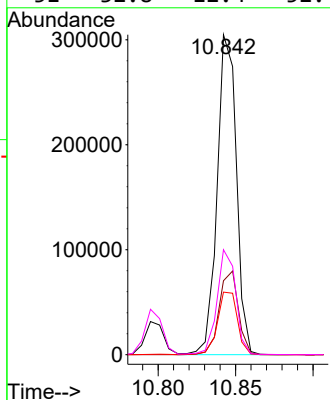
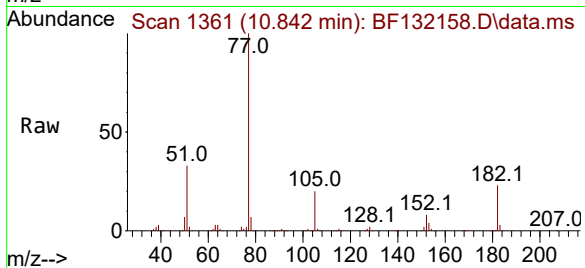
Ion Ratio Lower Upper

77 100

182 23.1 6.4 46.4

105 19.5 0.0 39.8

51 32.8 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.642 min Scan# 1497

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

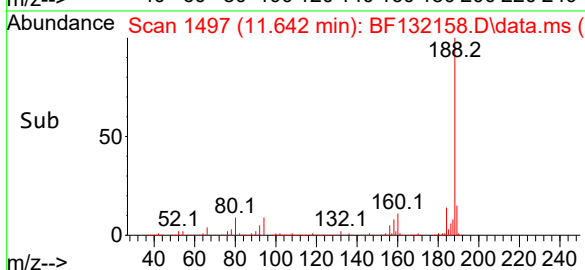
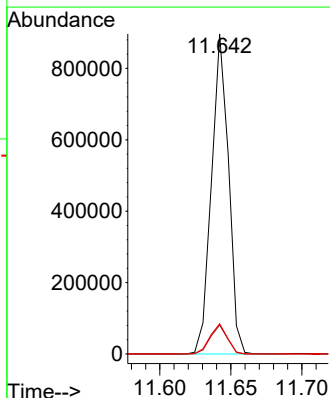
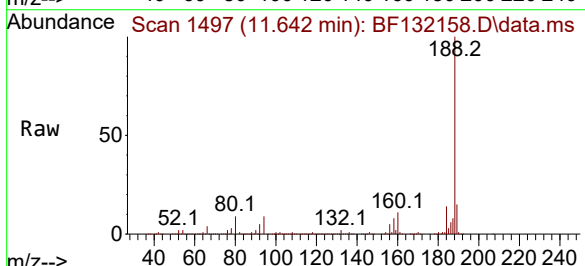
Tgt Ion:188 Resp: 746352

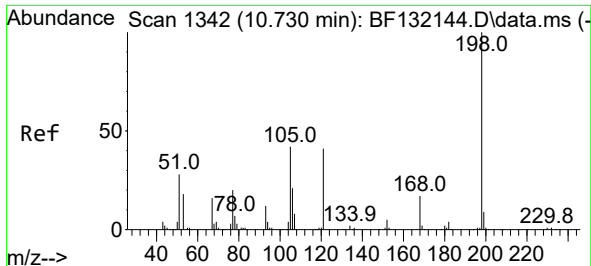
Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

80 9.5 7.5 11.3

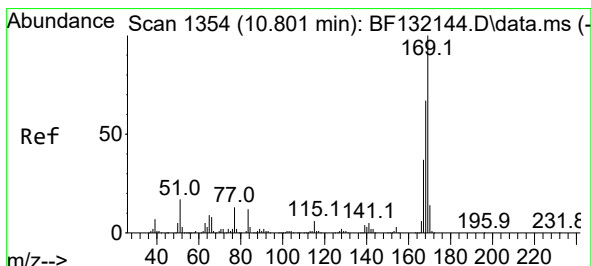
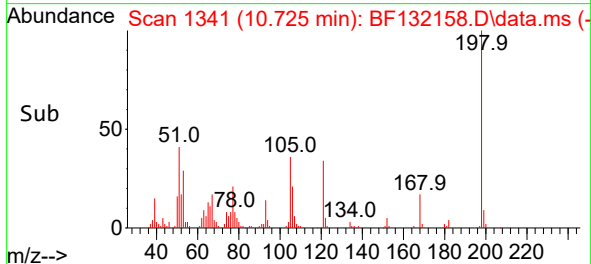
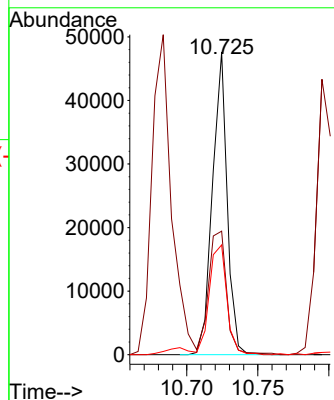
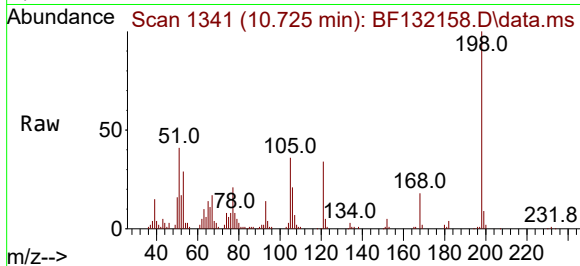




#65
4,6-Dinitro-2-methylphenol
Concen: 10.616 ng
RT: 10.725 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

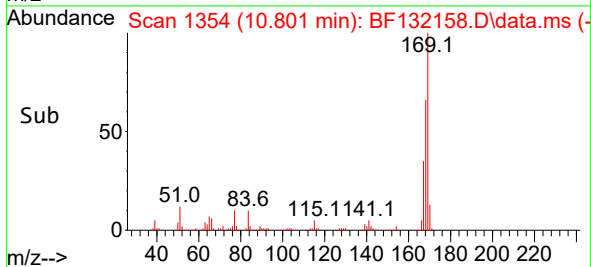
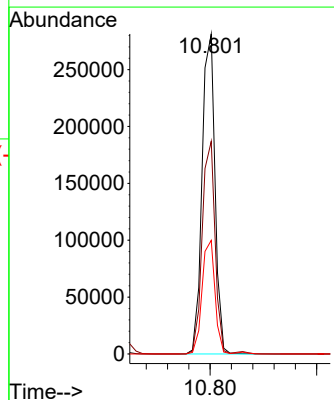
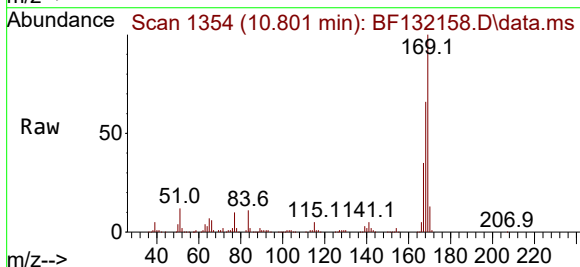
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

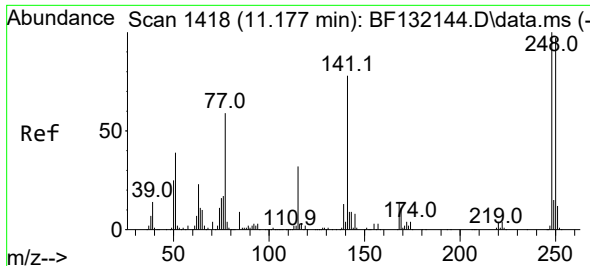
Tgt Ion:198 Resp: 34353
Ion Ratio Lower Upper
198 100
51 40.8 24.3 64.3
105 36.3 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 9.949 ng
RT: 10.801 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:169 Resp: 237799
Ion Ratio Lower Upper
169 100
168 66.4 53.4 80.0
167 35.5 29.7 44.5

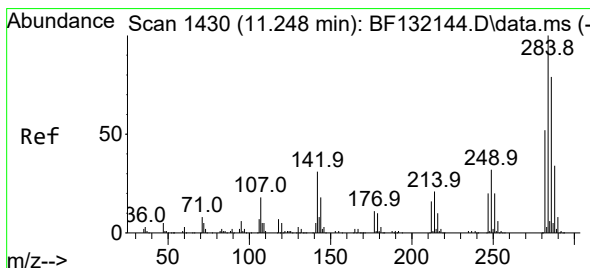
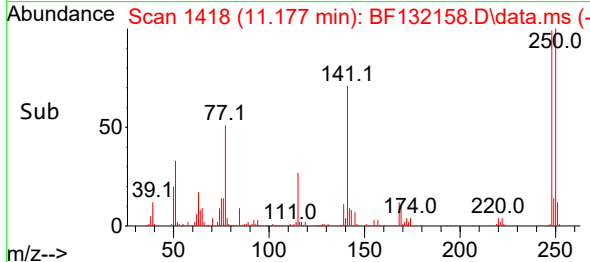
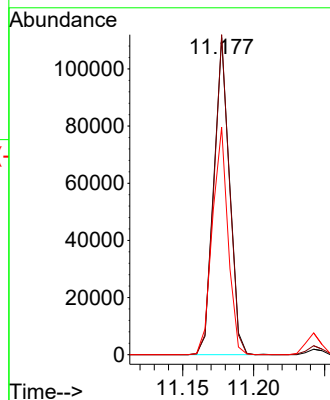
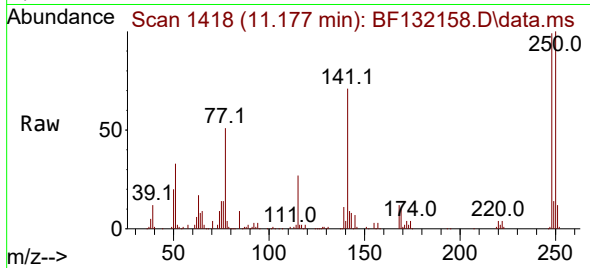




#67
4-Bromophenyl-phenylether
Concen: 9.407 ng
RT: 11.177 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

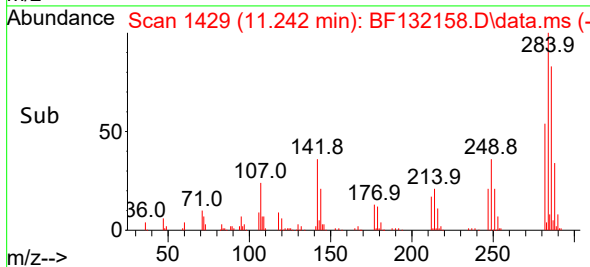
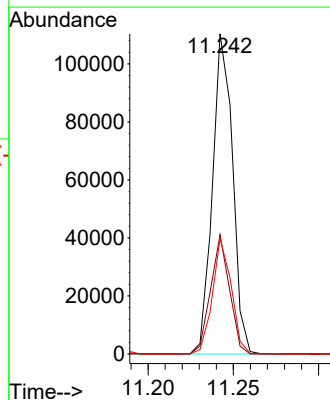
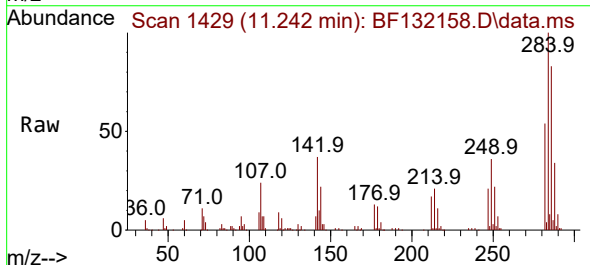
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

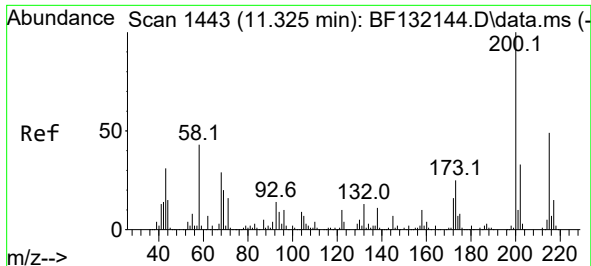
Tgt Ion:248 Resp: 85575
Ion Ratio Lower Upper
248 100
250 100.9 77.4 116.0
141 71.7 62.2 93.2



#68
Hexachlorobenzene
Concen: 10.028 ng
RT: 11.242 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:284 Resp: 90666
Ion Ratio Lower Upper
284 100
142 37.3 24.7 37.1#
249 36.2 25.6 38.4

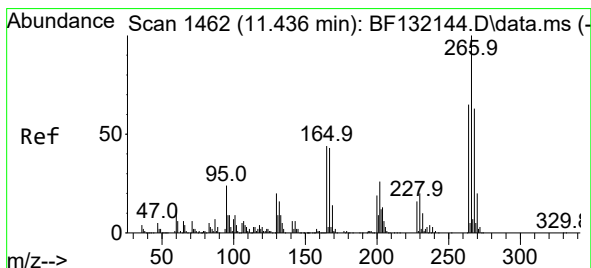
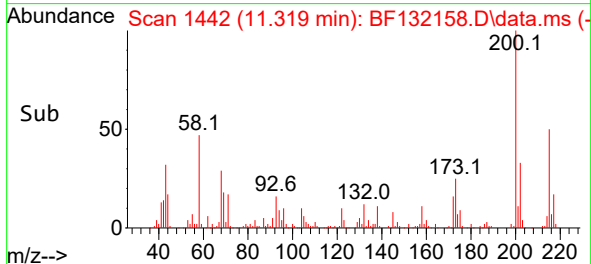
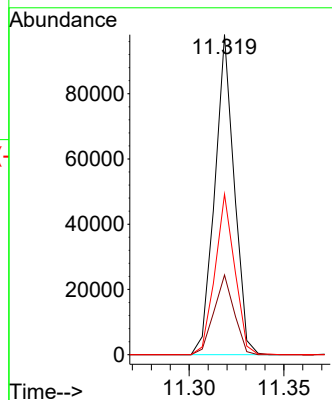
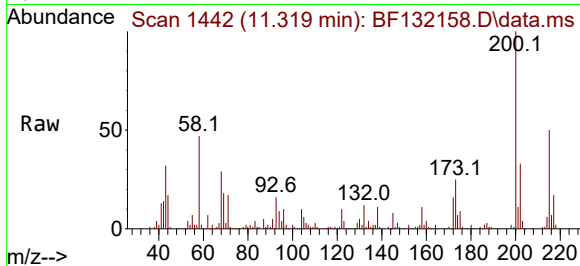




#69
 Atrazine
 Concen: 9.534 ng
 RT: 11.319 min Scan# 1442
 Delta R.T. -0.006 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

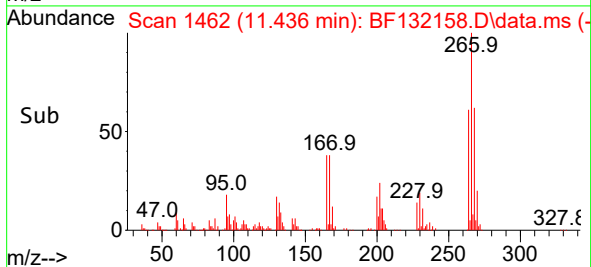
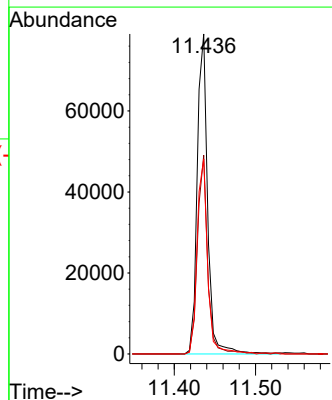
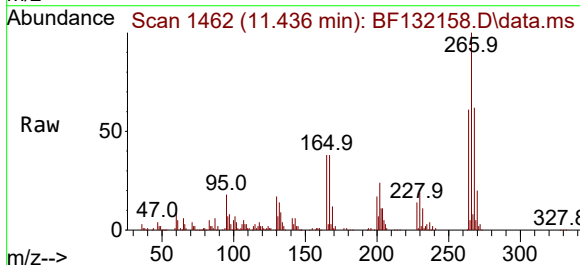
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

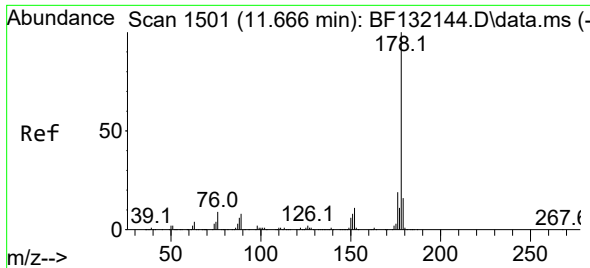
Tgt Ion:200 Resp: 70311
 Ion Ratio Lower Upper
 200 100
 173 24.9 5.0 45.0
 215 50.2 28.6 68.6



#70
 Pentachlorophenol
 Concen: 12.196 ng
 RT: 11.436 min Scan# 1462
 Delta R.T. 0.000 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Tgt Ion:266 Resp: 70857
 Ion Ratio Lower Upper
 266 100
 268 62.1 50.8 76.2
 264 60.9 52.3 78.5

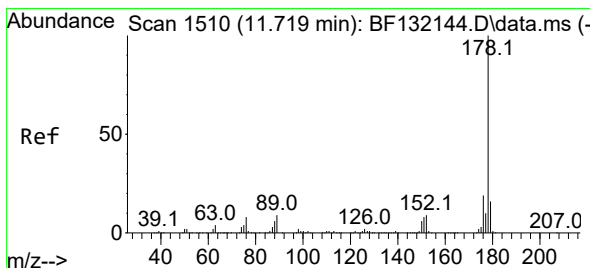
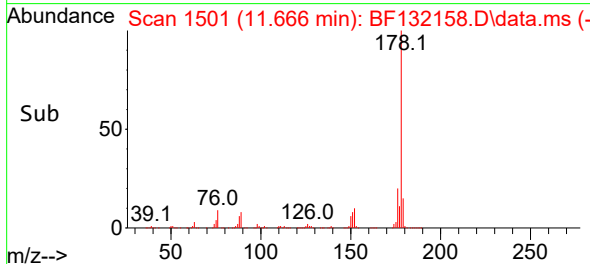
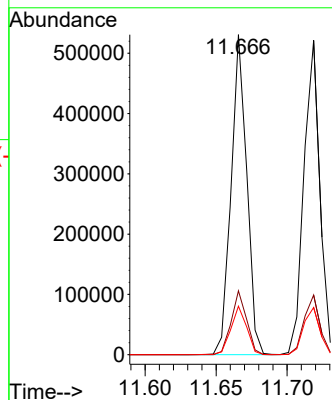
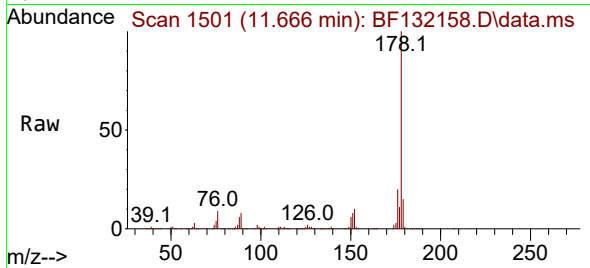




#71
Phenanthrene
Concen: 10.403 ng
RT: 11.666 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

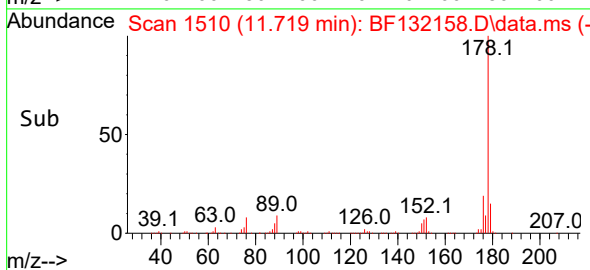
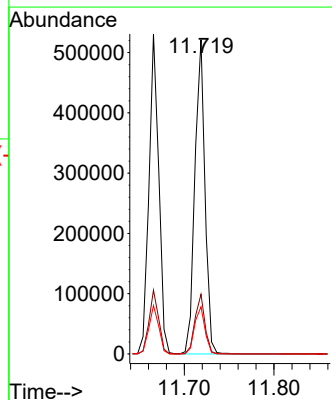
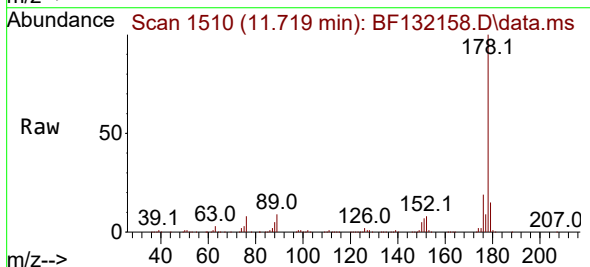
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

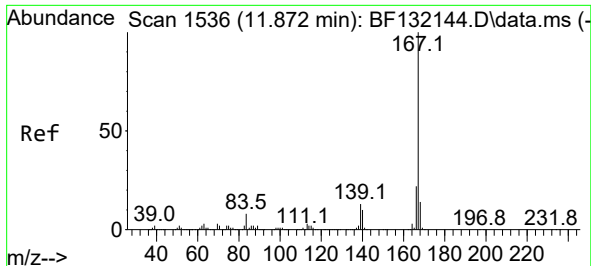
Tgt Ion:178 Resp: 407462
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.1 12.6 19.0



#72
Anthracene
Concen: 10.313 ng
RT: 11.719 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:178 Resp: 408648
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.6 18.8

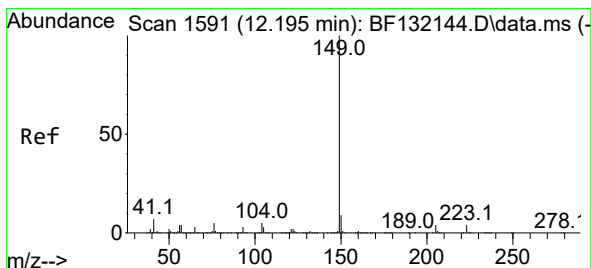
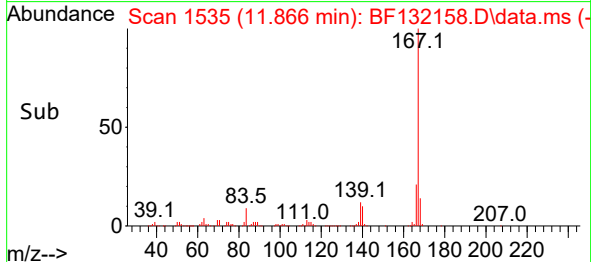
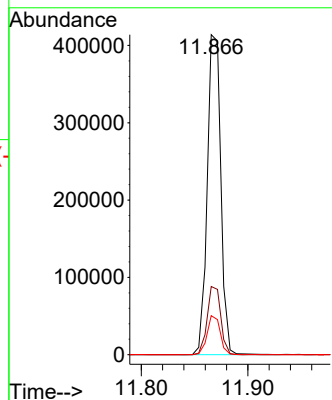
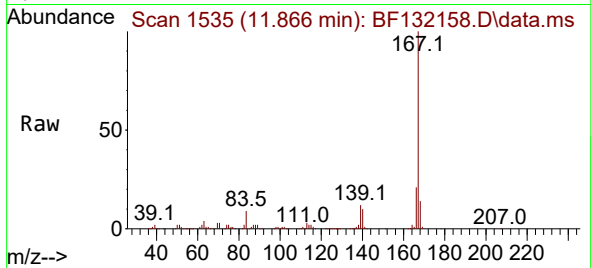




#73
 Carbazole
 Concen: 10.874 ng
 RT: 11.866 min Scan# 1535
 Delta R.T. -0.006 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

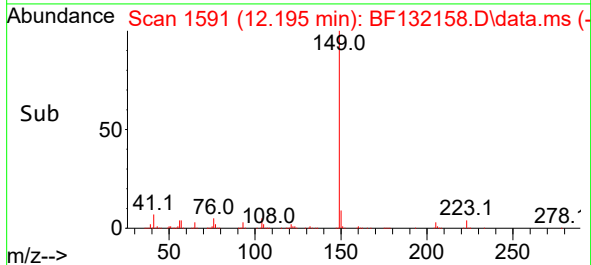
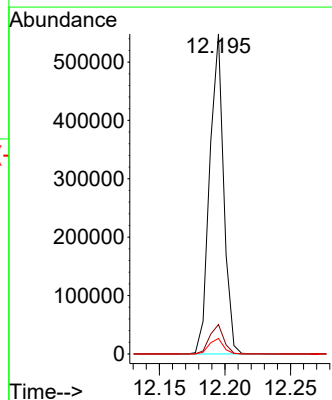
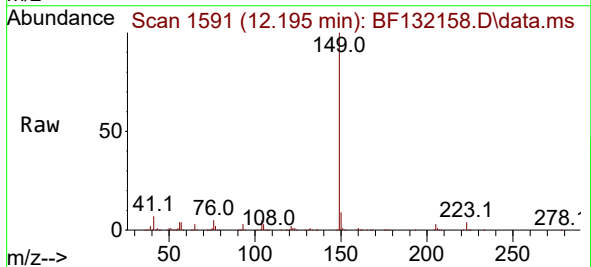
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

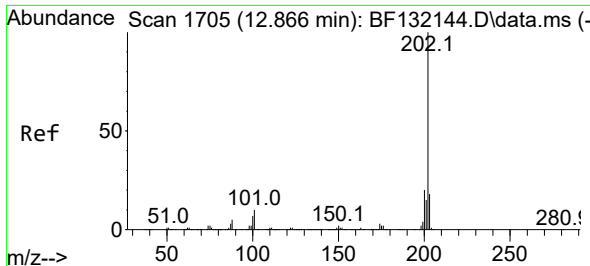
Tgt Ion:167 Resp: 368043
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 12.2 10.5 15.7



#74
 Di-n-butylphthalate
 Concen: 10.827 ng
 RT: 12.195 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Tgt Ion:149 Resp: 407931
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.9 4.3 6.5

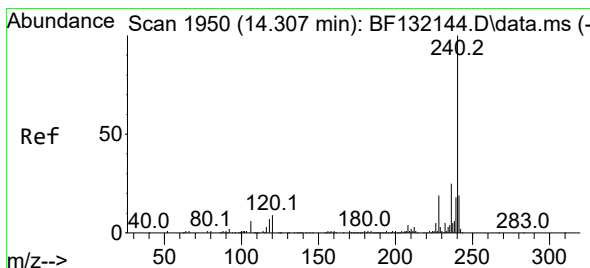
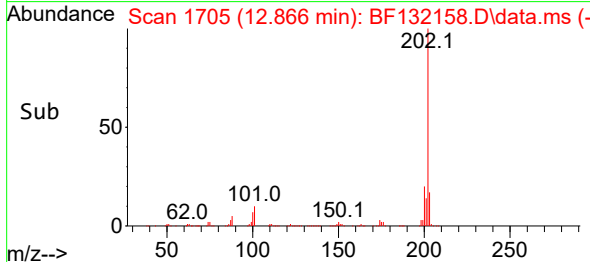
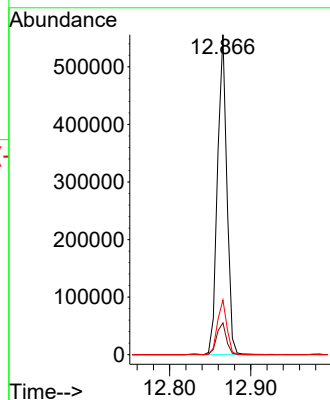
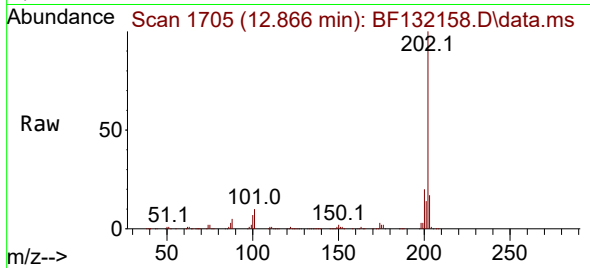




#75
Fluoranthene
Concen: 11.069 ng
RT: 12.866 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

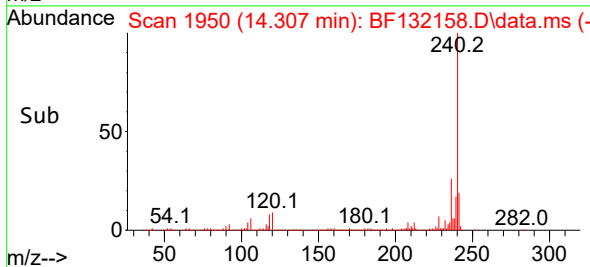
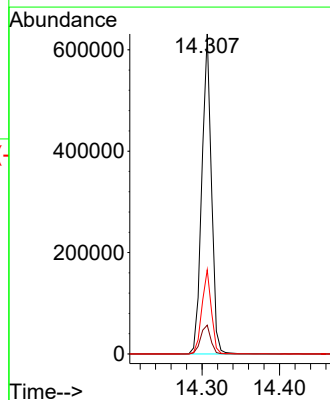
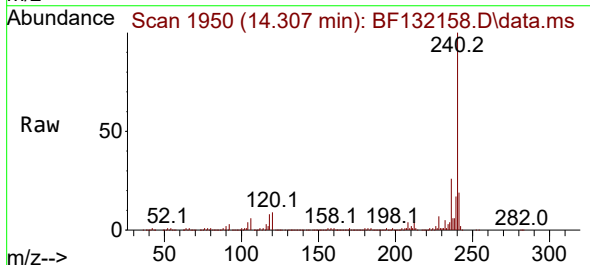
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

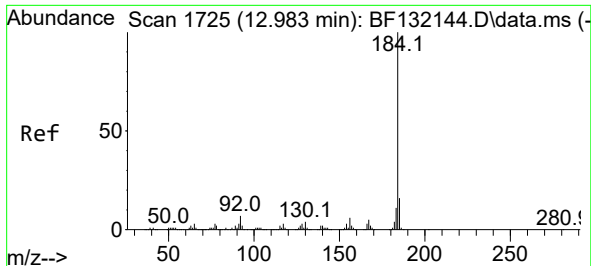
Tgt Ion:202 Resp: 445341
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 17.1 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:240 Resp: 541149
Ion Ratio Lower Upper
240 100
120 9.0 6.9 10.3
236 26.3 20.3 30.5

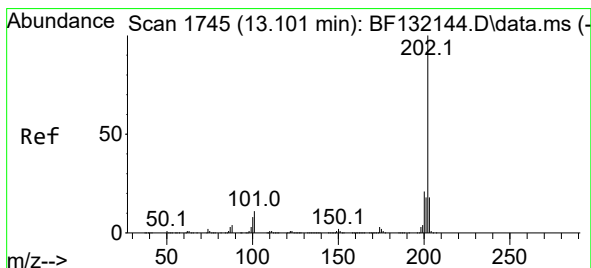
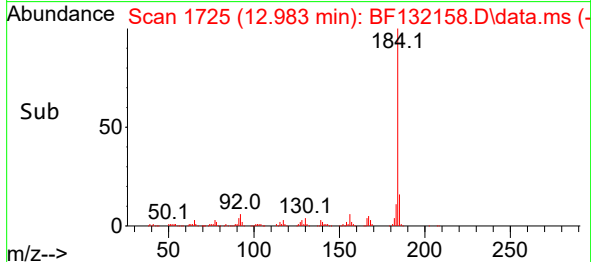
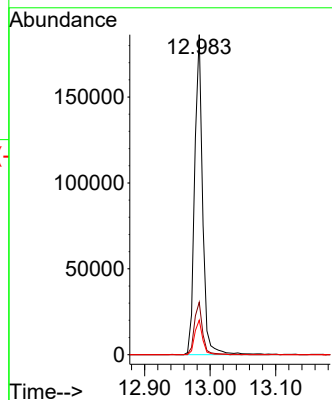
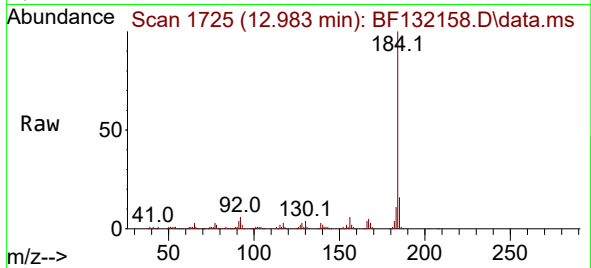




#77
Benzidine
Concen: 9.728 ng
RT: 12.983 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

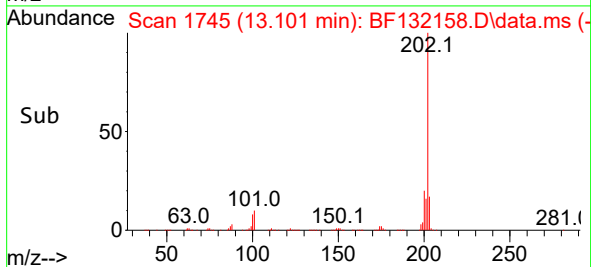
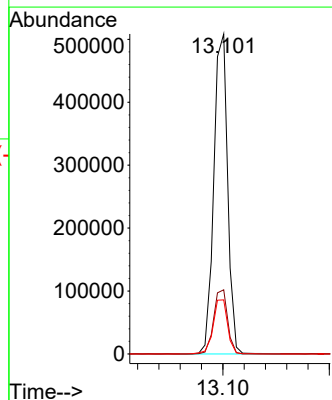
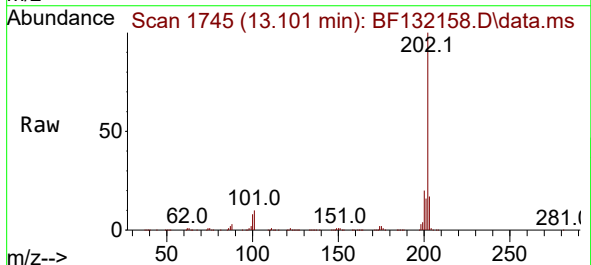
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

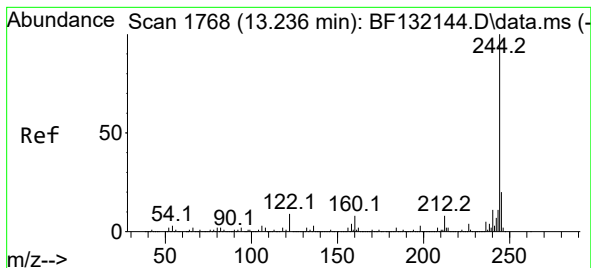
Tgt Ion:184 Resp: 158050
Ion Ratio Lower Upper
184 100
185 16.4 12.5 18.7
183 10.8 9.0 13.4



#78
Pyrene
Concen: 9.175 ng
RT: 13.101 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:202 Resp: 457586
Ion Ratio Lower Upper
202 100
200 20.0 16.7 25.1
203 16.9 14.0 21.0





#79

Terphenyl-d14

Concen: 55.053 ng

RT: 13.236 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

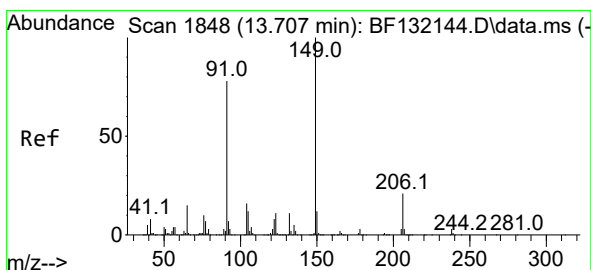
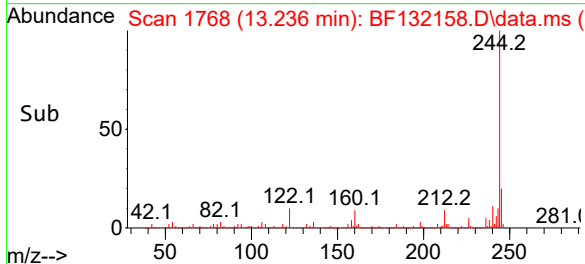
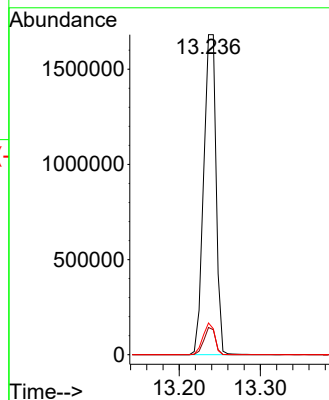
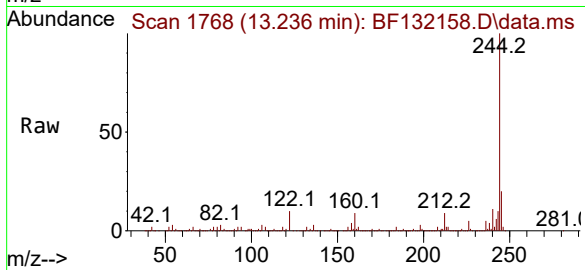
Tgt Ion:244 Resp: 1778511

Ion Ratio Lower Upper

244 100

212 8.5 6.7 10.1

122 9.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 9.665 ng

RT: 13.713 min Scan# 1849

Delta R.T. 0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

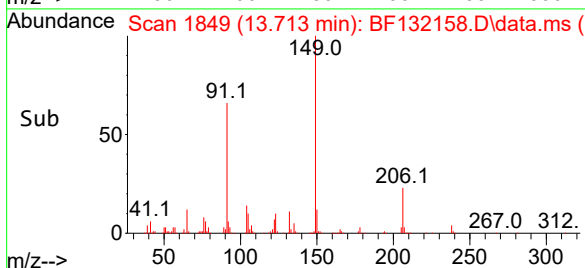
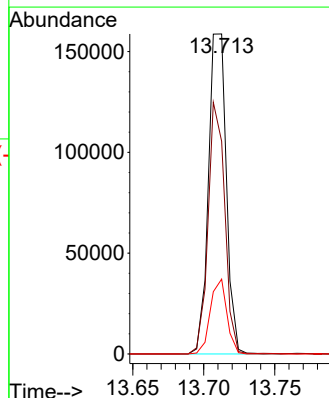
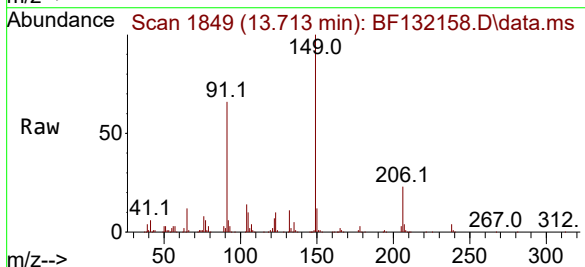
Tgt Ion:149 Resp: 139691

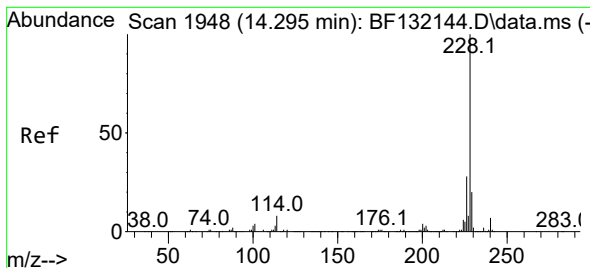
Ion Ratio Lower Upper

149 100

91 66.5 62.6 94.0

206 23.4 16.4 24.6





#81

Benzo(a)anthracene

Concen: 9.537 ng

RT: 14.295 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BF132158.D

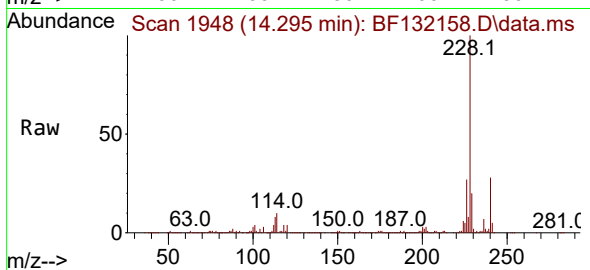
Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022



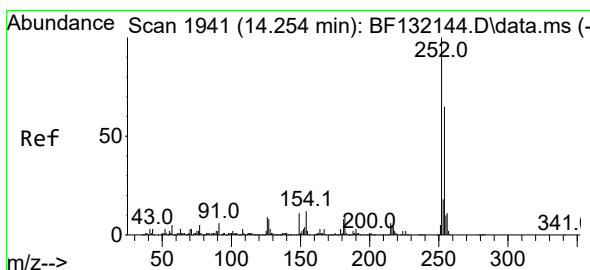
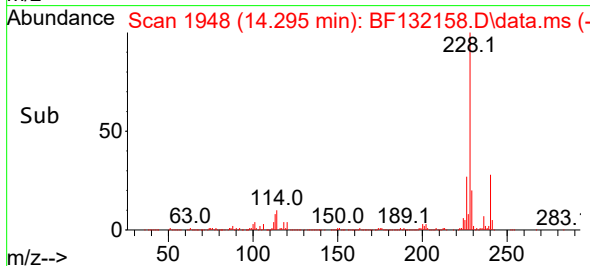
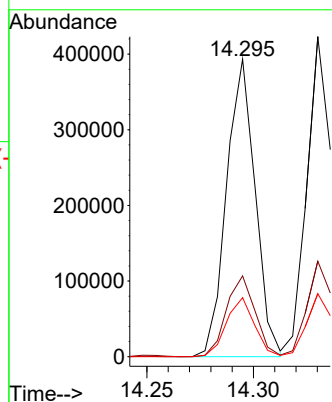
Tgt Ion:228 Resp: 368679

Ion Ratio Lower Upper

228 100

226 27.1 22.5 33.7

229 19.8 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 8.694 ng

RT: 14.254 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

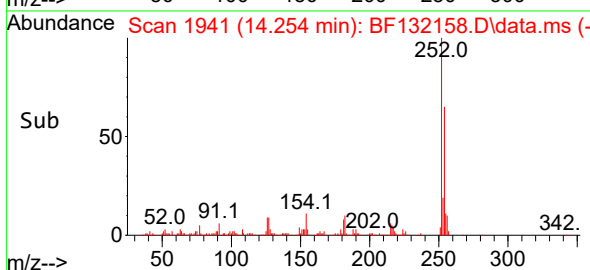
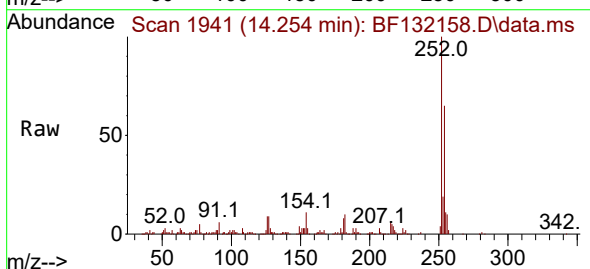
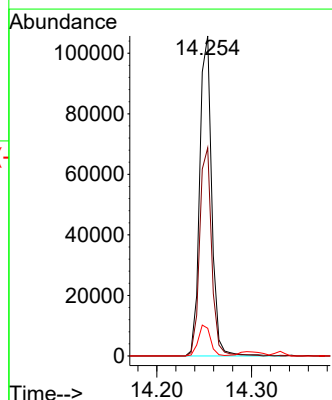
Tgt Ion:252 Resp: 93604

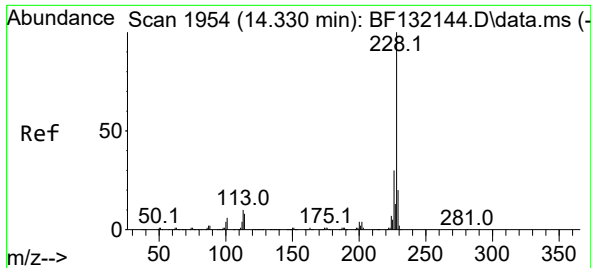
Ion Ratio Lower Upper

252 100

254 65.1 52.4 78.6

126 8.7 7.0 10.6

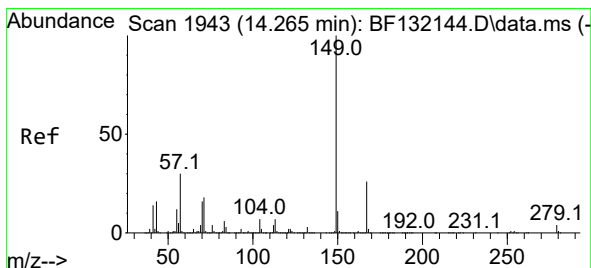
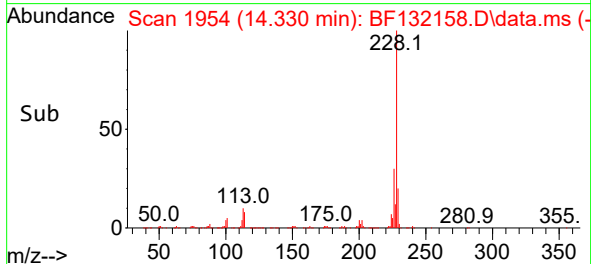
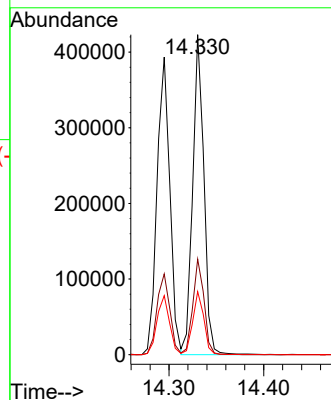
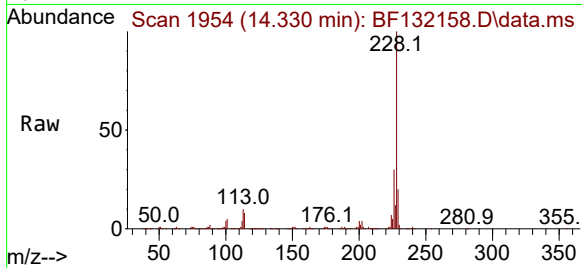




#83
Chrysene
Concen: 9.500 ng
RT: 14.330 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

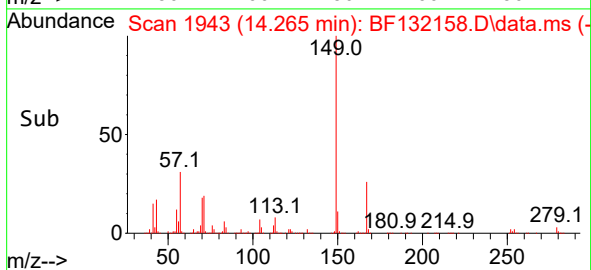
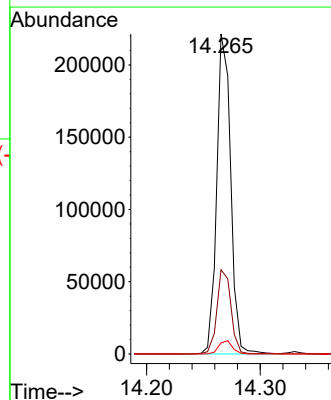
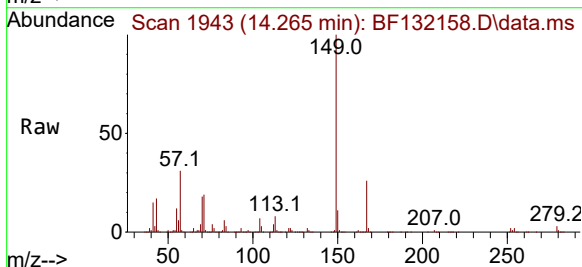
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

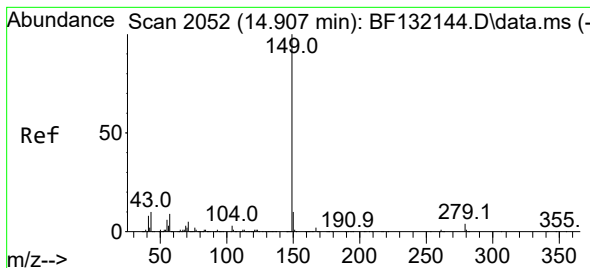
Tgt Ion:228 Resp: 349597
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 19.7 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.922 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:149 Resp: 189357
Ion Ratio Lower Upper
149 100
167 26.3 21.0 31.6
279 3.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 12.455 ng

RT: 14.907 min Scan# 2052

Delta R.T. -0.000 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

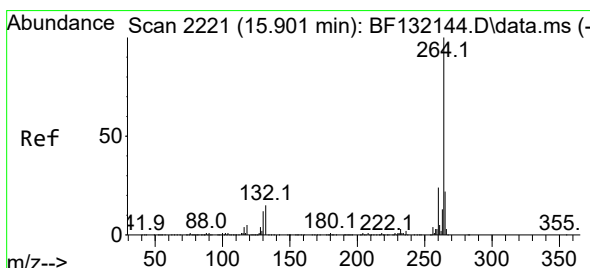
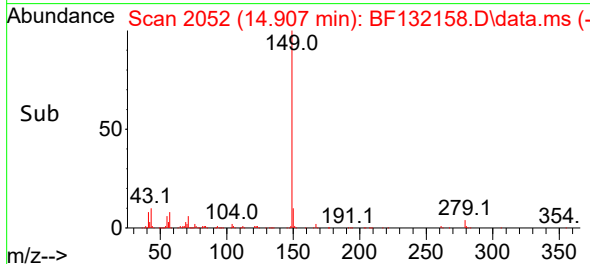
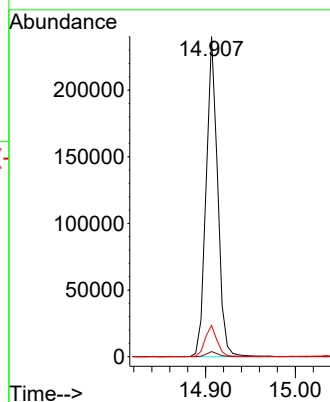
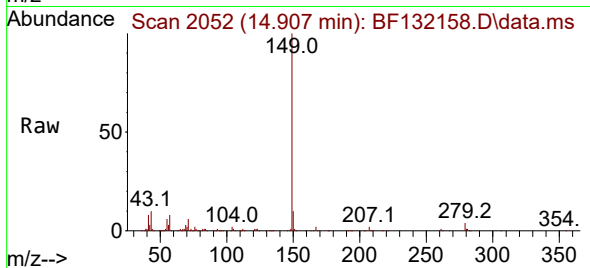
Tgt Ion:149 Resp: 213656

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.4 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.907 min Scan# 2222

Delta R.T. 0.006 min

Lab File: BF132158.D

Acq: 20 Jan 2023 13:04

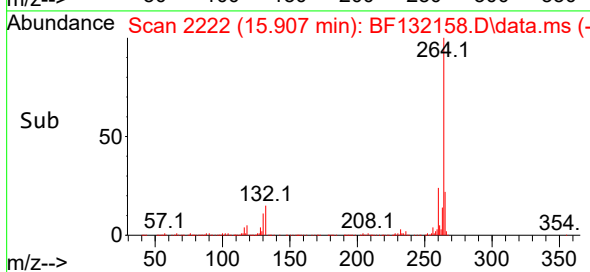
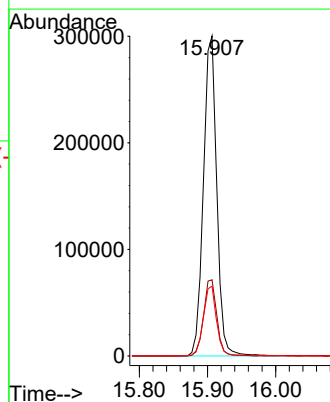
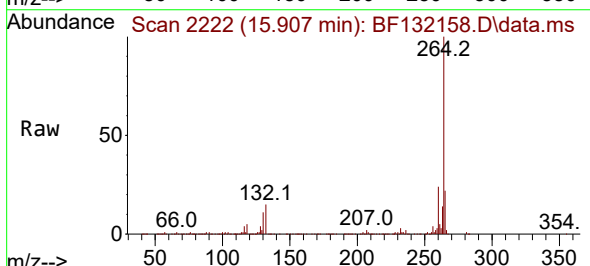
Tgt Ion:264 Resp: 409050

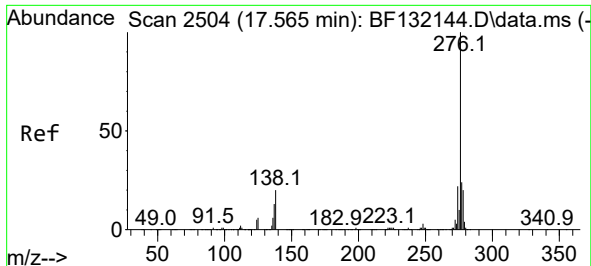
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.8 17.4 26.0

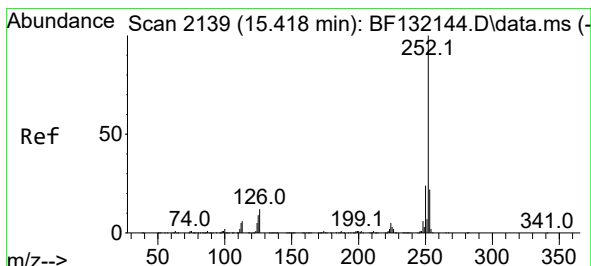
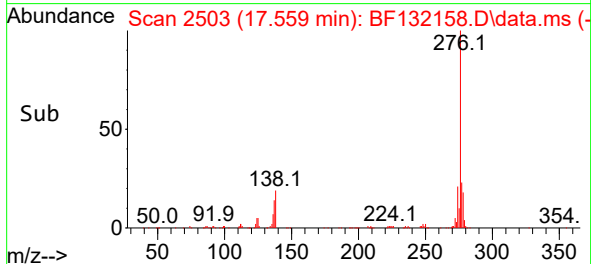
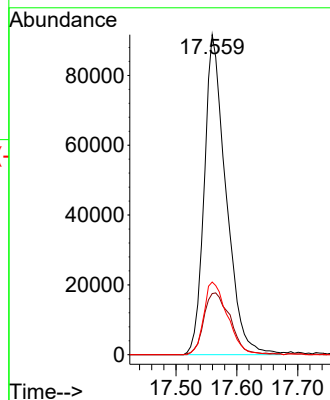
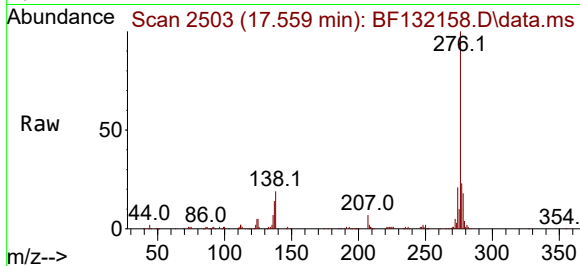




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.660 ng
 RT: 17.559 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

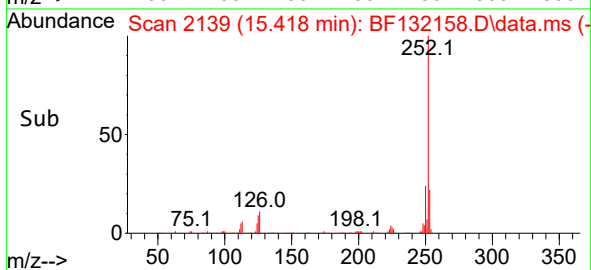
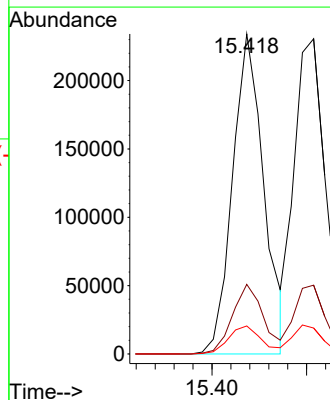
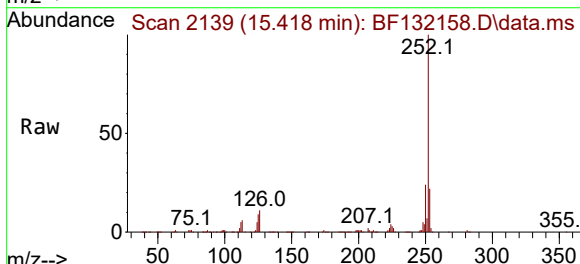
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

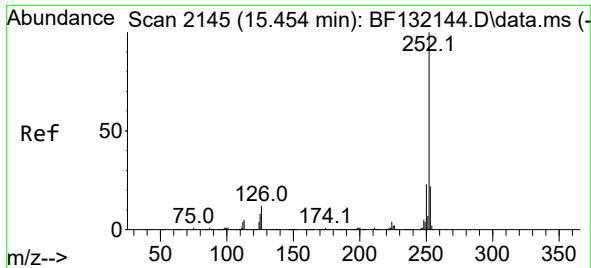
Tgt Ion:276 Resp: 227372
 Ion Ratio Lower Upper
 276 100
 138 23.7 17.9 26.9
 277 24.7 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 10.787 ng
 RT: 15.418 min Scan# 2139
 Delta R.T. 0.000 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Tgt Ion:252 Resp: 268654
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.8 26.6
 125 8.7 7.2 10.8

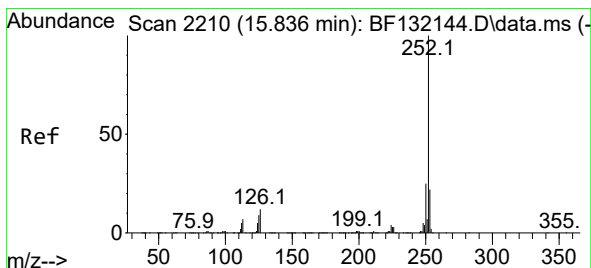
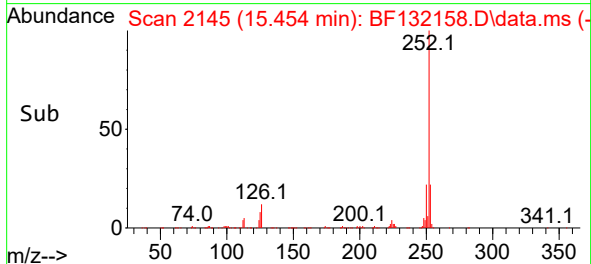
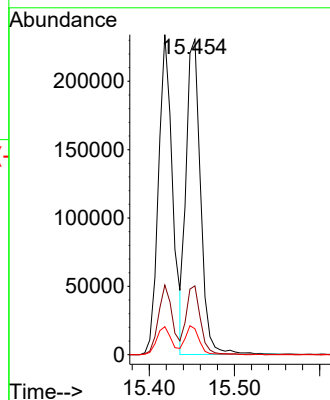
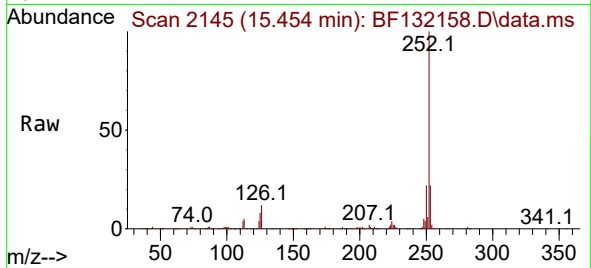




#89
Benzo(k)fluoranthene
Concen: 10.639 ng
RT: 15.454 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

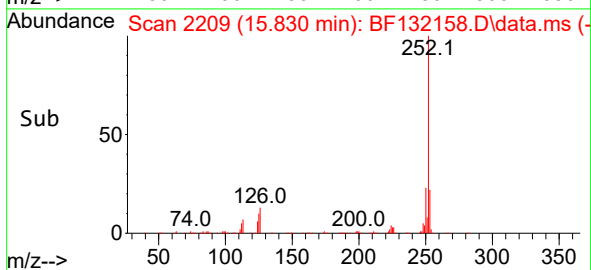
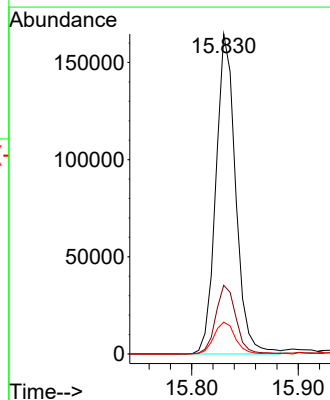
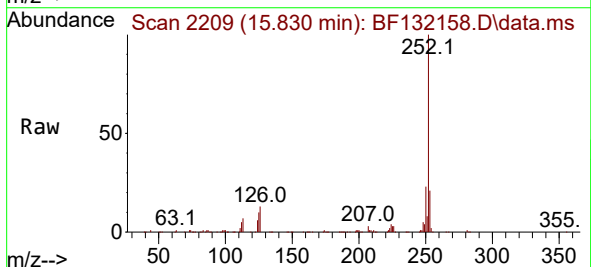
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

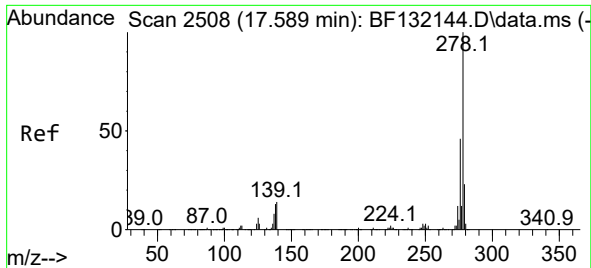
Tgt Ion:252 Resp: 270247
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 8.2 6.4 9.6



#90
Benzo(a)pyrene
Concen: 8.842 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132158.D
Acq: 20 Jan 2023 13:04

Tgt Ion:252 Resp: 211834
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.0 7.3 10.9

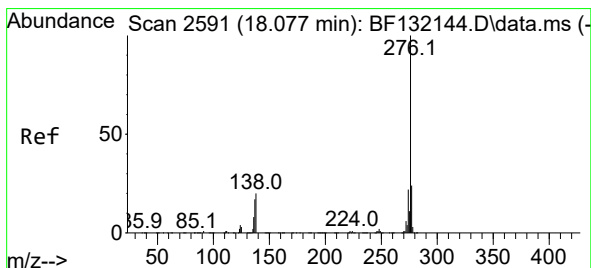
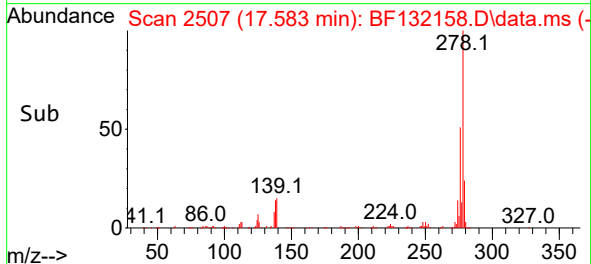
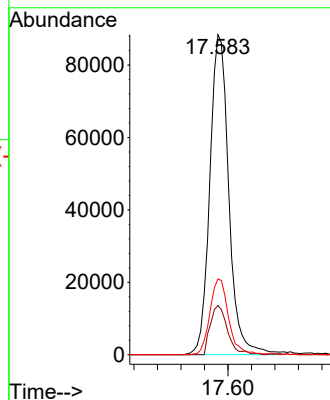
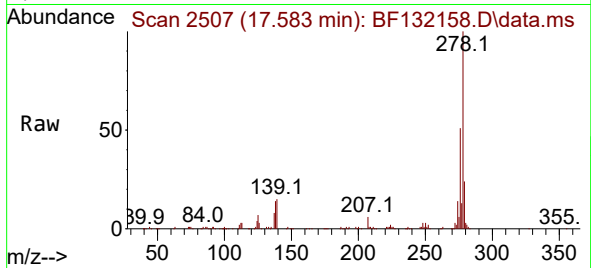




#91
 Dibenzo(a,h)anthracene
 Concen: 8.207 ng
 RT: 17.583 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Tgt Ion:278 Resp: 198673
 Ion Ratio Lower Upper
 278 100
 139 15.4 11.4 17.2
 279 23.7 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 8.018 ng
 RT: 18.065 min Scan# 2589
 Delta R.T. -0.012 min
 Lab File: BF132158.D
 Acq: 20 Jan 2023 13:04

Tgt Ion:276 Resp: 204247
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.9 28.3
 138 19.5 15.7 23.5

