

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
 Data File : BF132157.D
 Acq On : 20 Jan 2023 12:09
 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 02:31:18 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	199039	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	693896	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	372010	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	750946	20.000	ng	0.00
76) Chrysene-d12	14.307	240	543004	20.000	ng	0.00
86) Perylene-d12	15.901	264	416496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	1072813	94.156	ng	0.00
7) Phenol-d6	6.701	99	1367022	95.310	ng	0.00
23) Nitrobenzene-d5	7.654	82	893312	68.390	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	419046	105.457	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1545632	60.711	ng	0.00
79) Terphenyl-d14	13.236	244	1837620	56.689	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.025	88	54559	9.452	ng	99
3) Pyridine	3.801	79	129025	8.326	ng	99
4) n-Nitrosodimethylamine	3.725	42	62903	8.631	ng	99
6) Aniline	6.754	93	181633	9.143	ng	97
8) 2-Chlorophenol	6.872	128	118401	9.886	ng	98
9) Benzaldehyde	6.642	77	106587	11.551	ng	99
10) Phenol	6.713	94	143264	9.595	ng	98
11) bis(2-Chloroethyl)ether	6.819	93	121988	9.651	ng	95
12) 1,3-Dichlorobenzene	7.031	146	136486	10.195	ng	97
13) 1,4-Dichlorobenzene	7.107	146	138872	10.395	ng	97
14) 1,2-Dichlorobenzene	7.260	146	125412	10.153	ng	98
15) Benzyl Alcohol	7.219	79	93462	8.519	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.354	45	179611	9.777	ng	97
17) 2-Methylphenol	7.319	107	93046	8.868	ng	99
18) Hexachloroethane	7.607	117	49108	10.241	ng	92
19) n-Nitroso-di-n-propyla...	7.489	70	85640	9.748	ng	98
20) 3+4-Methylphenols	7.472	107	123253	9.322	ng	91
22) Acetophenone	7.489	105	174115	10.440	ng	97
24) Nitrobenzene	7.672	77	133517	9.654	ng	93
25) Isophorone	7.901	82	235031	9.196	ng	99
26) 2-Nitrophenol	7.984	139	45867	10.426	ng	95
27) 2,4-Dimethylphenol	8.007	122	80171	7.249	ng	97
28) bis(2-Chloroethoxy)met...	8.113	93	149276	9.735	ng	99
29) 2,4-Dichlorophenol	8.219	162	99927	9.518	ng	97
30) 1,2,4-Trichlorobenzene	8.313	180	117535	9.856	ng	96
31) Naphthalene	8.401	128	350581	9.838	ng	98
32) Benzoic acid	8.054	122	47166	7.283	ng	94
33) 4-Chloroaniline	8.436	127	143621	9.418	ng	99
34) Hexachlorobutadiene	8.513	225	77684	9.697	ng	98
35) Caprolactam	8.778	113	40074	13.460	ng	99
36) 4-Chloro-3-methylphenol	8.907	107	100968	9.556	ng	96
37) 2-Methylnaphthalene	9.089	142	235055	9.580	ng	99
38) 1-Methylnaphthalene	9.189	142	227056	9.946	ng	99
40) 1,2,4,5-Tetrachloroben...	9.254	216	127263	9.832	ng	99
41) Hexachlorocyclopentadiene	9.242	237	56103	7.943	ng	99
43) 2,4,6-Trichlorophenol	9.360	196	73320	9.127	ng	96

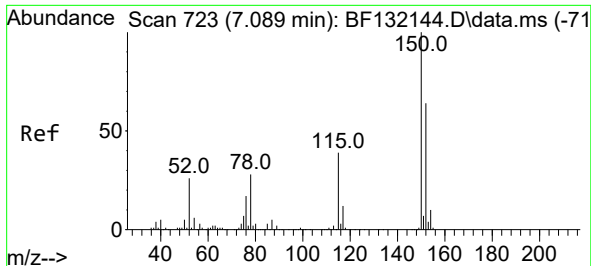
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 02:30:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.401	196	81238	8.647	ng	96
46) 1,1'-Biphenyl	9.554	154	298246	10.162	ng	100
47) 2-Chloronaphthalene	9.583	162	227716	10.037	ng	99
48) 2-Nitroaniline	9.672	65	61853	9.469	ng	98
49) Acenaphthylene	10.001	152	351040	9.672	ng	99
50) Dimethylphthalate	9.848	163	260595	9.672	ng	99
51) 2,6-Dinitrotoluene	9.913	165	50332	9.638	ng	98
52) Acenaphthene	10.177	154	215313	9.863	ng	99
53) 3-Nitroaniline	10.083	138	54428	9.748	ng	91
54) 2,4-Dinitrophenol	10.183	184	16396	8.143	ng	# 1
55) Dibenzofuran	10.348	168	331547	9.827	ng	98
56) 4-Nitrophenol	10.219	139	39245	9.658	ng	97
57) 2,4-Dinitrotoluene	10.313	165	59321	9.463	ng	98
58) Fluorene	10.695	166	256421	10.257	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.460	232	68172	9.539	ng	98
60) Diethylphthalate	10.554	149	252292	9.549	ng	99
61) 4-Chlorophenyl-phenyle...	10.683	204	128179	9.575	ng	97
62) 4-Nitroaniline	10.695	138	50955	9.803	ng	91
63) Azobenzene	10.842	77	251267	9.476	ng	98
65) 4,6-Dinitro-2-methylph...	10.725	198	31789	9.764	ng	94
66) n-Nitrosodiphenylamine	10.795	169	223691	9.301	ng	98
67) 4-Bromophenyl-phenylether	11.177	248	83721	9.147	ng	92
68) Hexachlorobenzene	11.242	284	88022	9.676	ng	93
69) Atrazine	11.319	200	76679	10.334	ng	100
70) Pentachlorophenol	11.436	266	68266	11.678	ng	97
71) Phenanthrene	11.666	178	386977	9.820	ng	99
72) Anthracene	11.719	178	380294	9.539	ng	99
73) Carbazole	11.866	167	343368	10.083	ng	98
74) Di-n-butylphthalate	12.195	149	377016	9.945	ng	98
75) Fluoranthene	12.866	202	423057	10.451	ng	98
77) Benzidine	12.983	184	162155	9.946	ng	97
78) Pyrene	13.095	202	435178	8.696	ng	99
80) Butylbenzylphthalate	13.707	149	127217	8.772	ng	96
81) Benzo(a)anthracene	14.295	228	352635	9.090	ng	99
82) 3,3'-Dichlorobenzidine	14.248	252	99397	9.201	ng	# 97
83) Chrysene	14.330	228	337022	9.127	ng	100
84) Bis(2-ethylhexyl)phtha...	14.265	149	173357	9.053	ng	99
85) Di-n-octyl phthalate	14.907	149	200090	11.999	ng	100
87) Indeno(1,2,3-cd)pyrene	17.559	276	216826	7.174	ng	98
88) Benzo(b)fluoranthene	15.418	252	251920	9.934	ng	99
89) Benzo(k)fluoranthene	15.448	252	269002	10.401	ng	97
90) Benzo(a)pyrene	15.830	252	203150	8.328	ng	99
91) Dibenzo(a,h)anthracene	17.583	278	190937	7.746	ng	99
92) Benzo(g,h,i)perylene	18.059	276	193396	7.456	ng	100

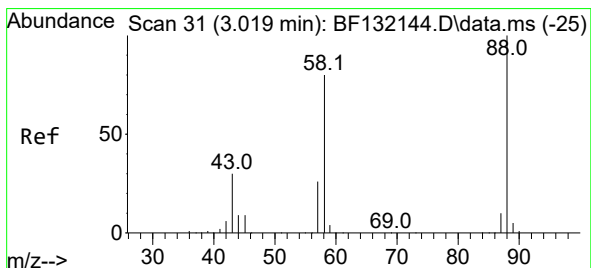
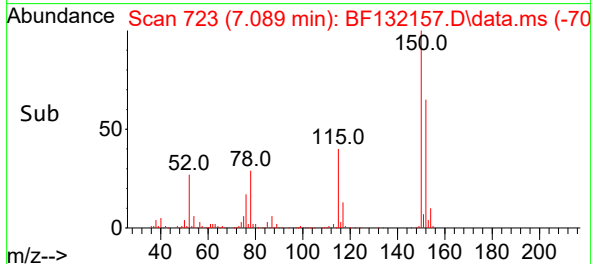
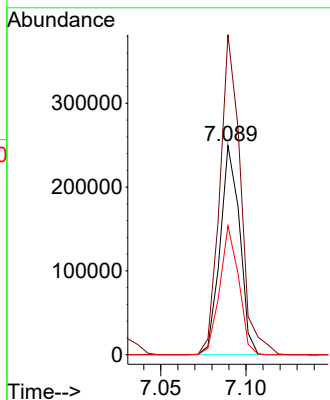
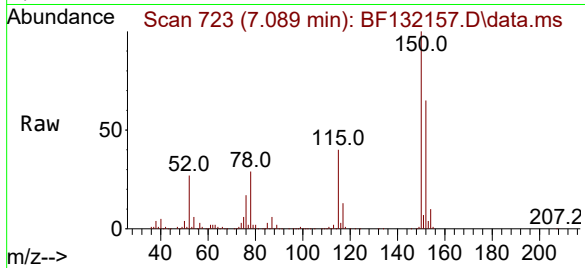
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132157.D
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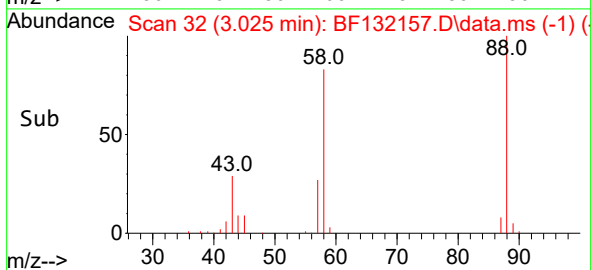
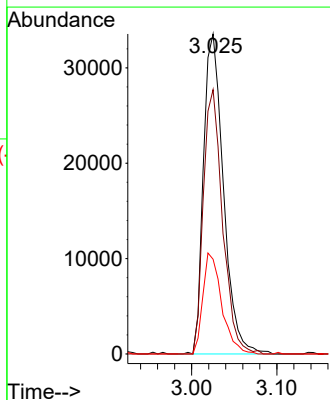
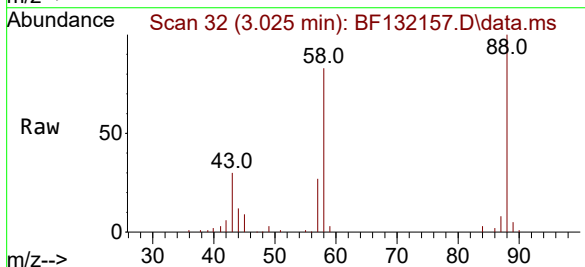
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

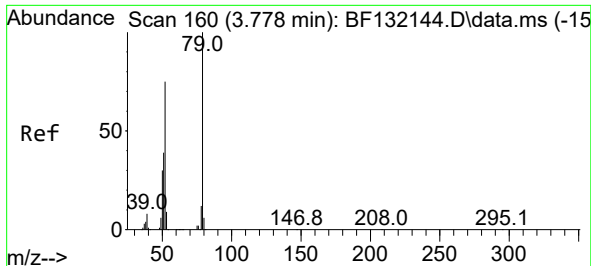
Tgt Ion:152 Resp: 199039
Ion Ratio Lower Upper
152 100
150 153.0 125.8 188.8
115 61.6 49.2 73.8



#2
1,4-Dioxane
Concen: 9.452 ng
RT: 3.025 min Scan# 32
Delta R.T. 0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion: 88 Resp: 54559
Ion Ratio Lower Upper
88 100
58 79.4 64.0 96.0
43 29.8 24.2 36.4

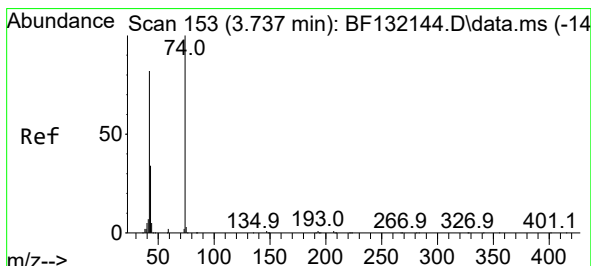
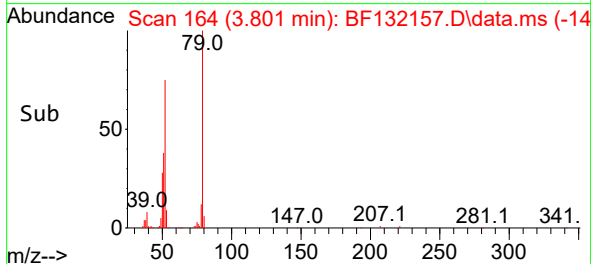
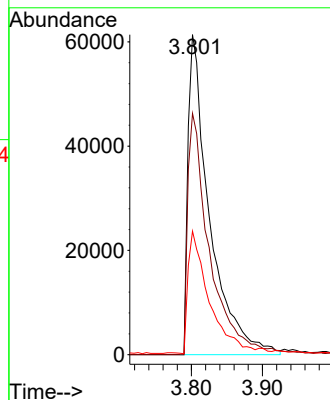
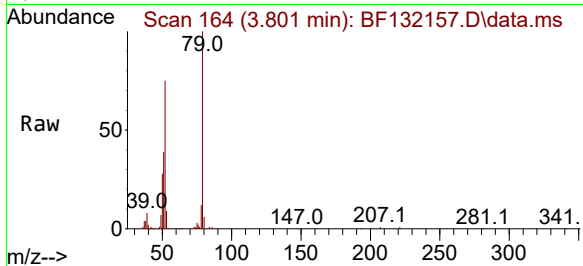




#3
 Pyridine
 Concen: 8.326 ng
 RT: 3.801 min Scan# 1
 Delta R.T. 0.023 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

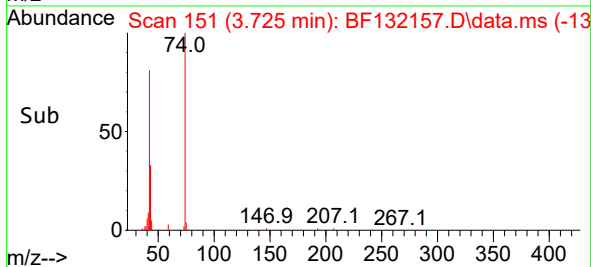
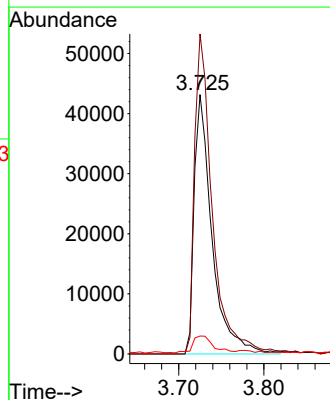
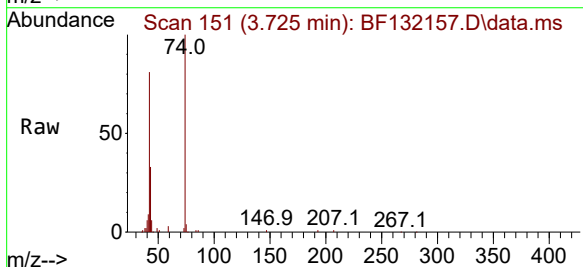
Instrument :
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 ClientSampleId :
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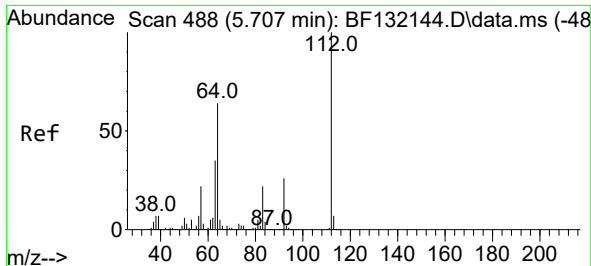
Tgt Ion: 79 Resp: 129025
 Ion Ratio Lower Upper
 79 100
 52 75.4 60.1 90.1
 51 38.6 31.4 47.0



#4
 n-Nitrosodimethylamine
 Concen: 8.631 ng
 RT: 3.725 min Scan# 151
 Delta R.T. -0.012 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

Tgt Ion: 42 Resp: 62903
 Ion Ratio Lower Upper
 42 100
 74 123.4 98.1 147.1
 44 6.9 5.2 7.8

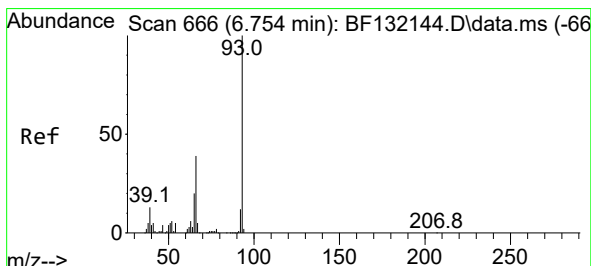
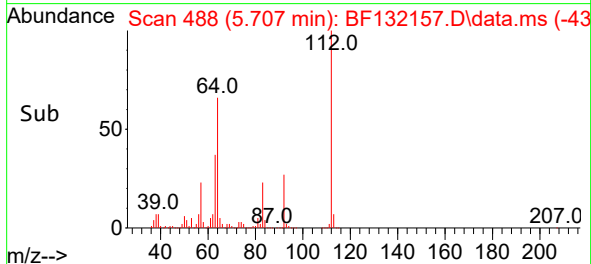
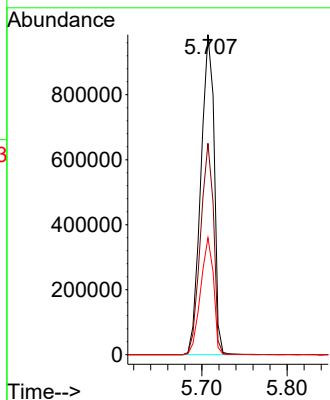
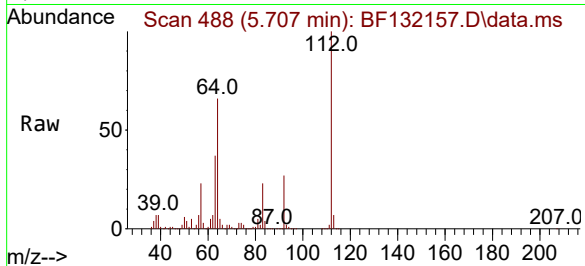




#5
2-Fluorophenol
Concen: 94.156 ng
RT: 5.707 min Scan# 488
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

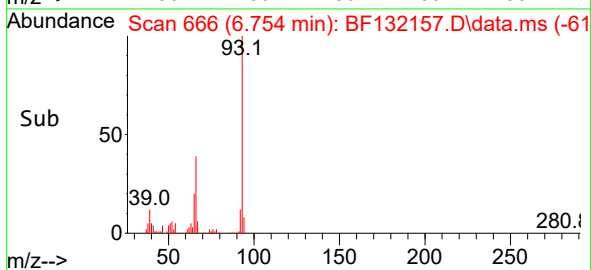
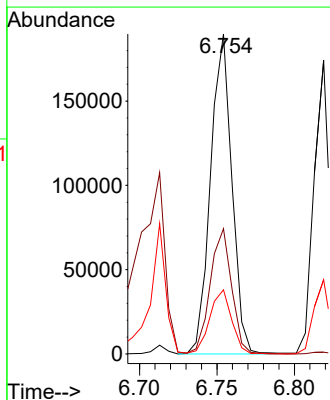
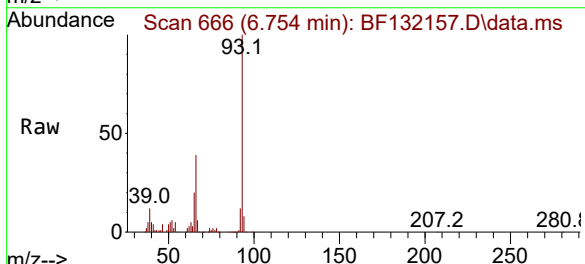
Instrument :
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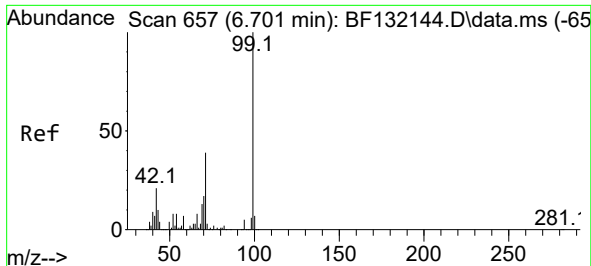
Tgt Ion:112 Resp: 1072813
Ion Ratio Lower Upper
112 100
64 66.0 51.4 77.0
63 36.6 28.2 42.2



#6
Aniline
Concen: 9.143 ng
RT: 6.754 min Scan# 666
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion: 93 Resp: 181633
Ion Ratio Lower Upper
93 100
66 39.2 33.0 49.6
65 20.1 16.8 25.2



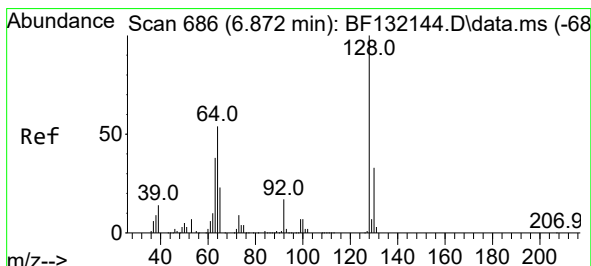
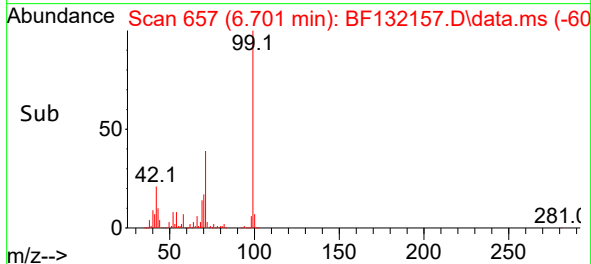
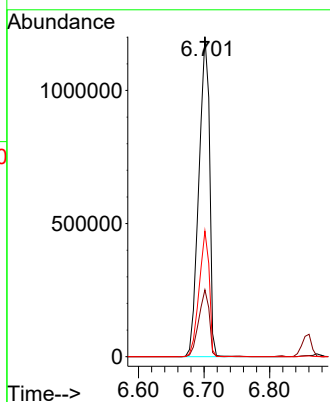
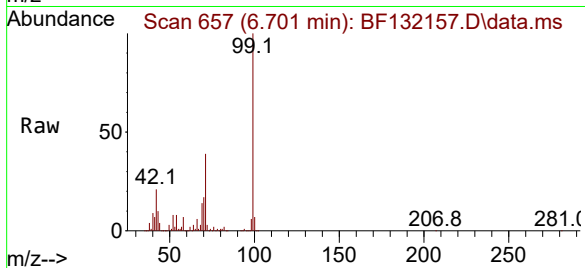


#7
Phenol-d6
Concen: 95.310 ng
RT: 6.701 min Scan# 61
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

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

Tgt Ion: 99 Resp: 1367022

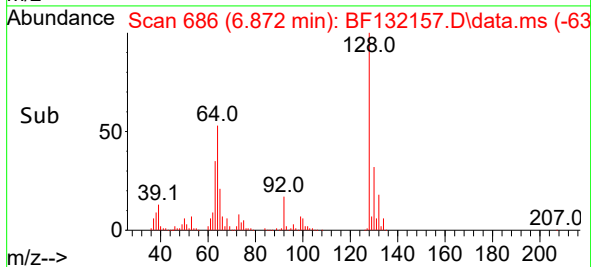
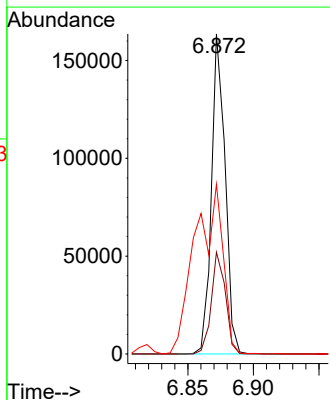
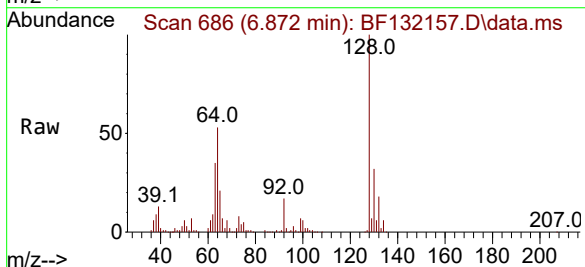
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	24.8
71	39.3	30.8	46.2

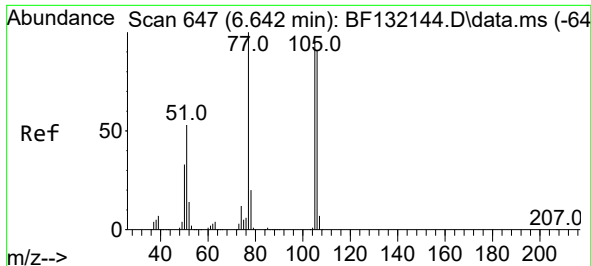


#8
2-Chlorophenol
Concen: 9.886 ng
RT: 6.872 min Scan# 686
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion: 128 Resp: 118401

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.8	52.8
64	53.0	34.8	74.8

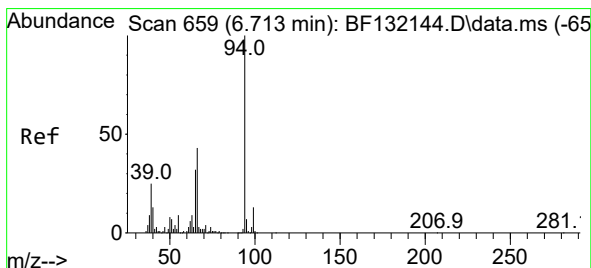
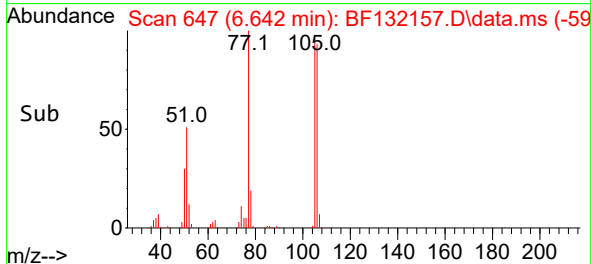
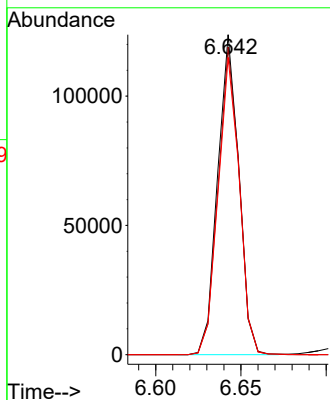
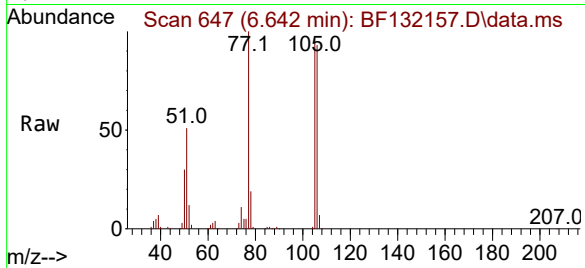




#9
Benzaldehyde
Concen: 11.551 ng
RT: 6.642 min Scan# 647
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

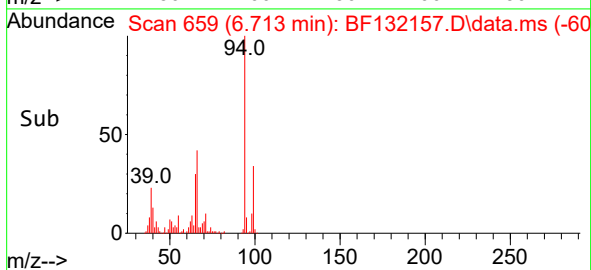
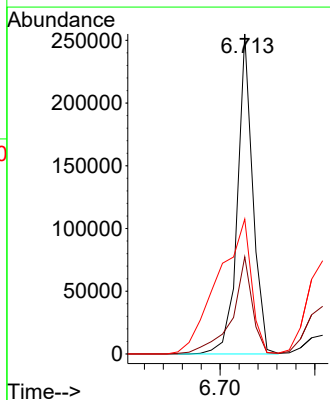
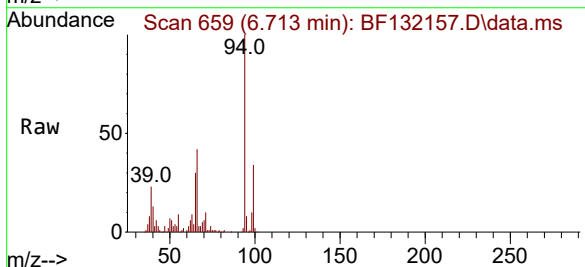
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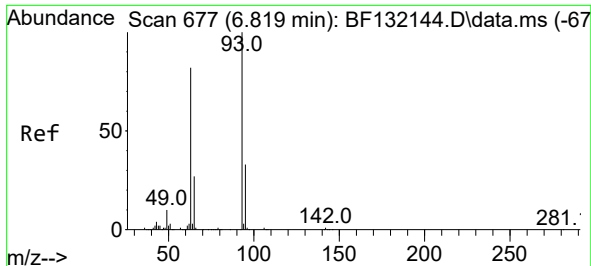
Tgt Ion: 77 Resp: 106587
Ion Ratio Lower Upper
77 100
105 96.1 75.5 115.5
106 92.9 70.7 110.7



#10
Phenol
Concen: 9.595 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion: 94 Resp: 143264
Ion Ratio Lower Upper
94 100
65 30.3 12.0 52.0
66 42.2 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 9.651 ng

RT: 6.819 min Scan# 61

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

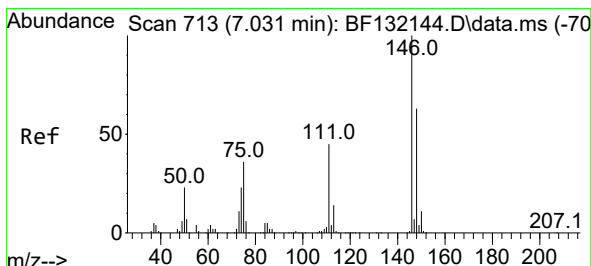
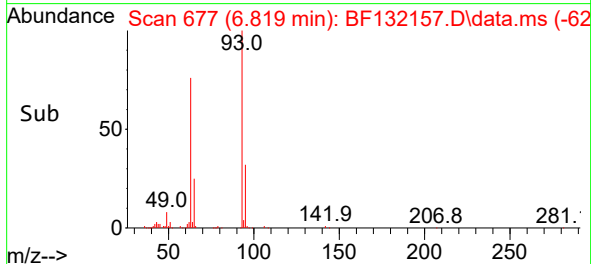
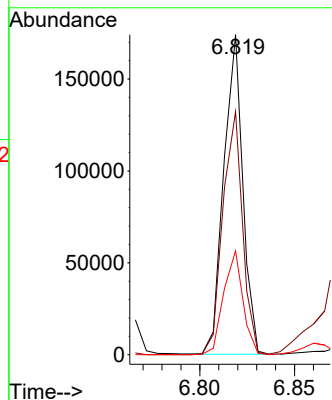
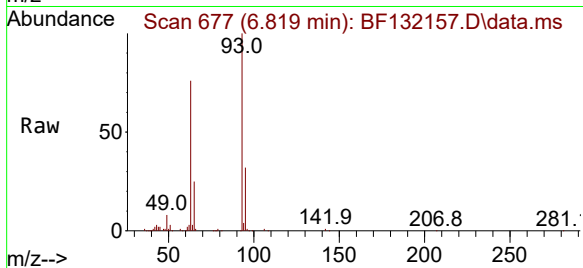
Tgt Ion: 93 Resp: 121988

Ion Ratio Lower Upper

93 100

63 75.9 61.6 101.6

95 32.5 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 10.195 ng

RT: 7.031 min Scan# 713

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

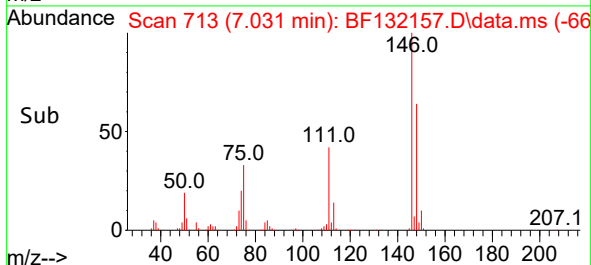
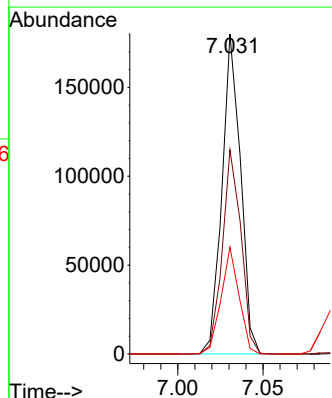
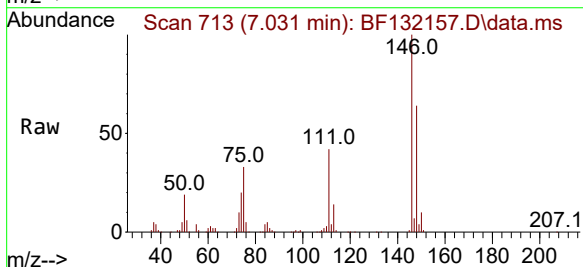
Tgt Ion:146 Resp: 136486

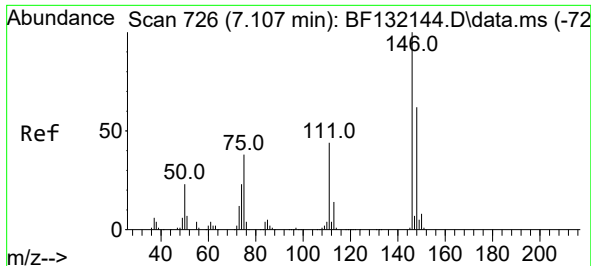
Ion Ratio Lower Upper

146 100

148 63.8 50.0 75.0

75 33.3 28.8 43.2

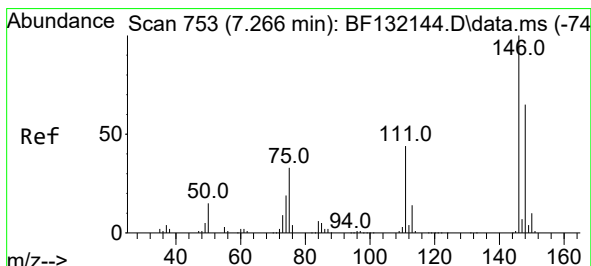
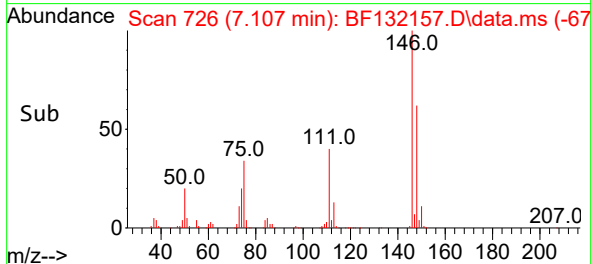
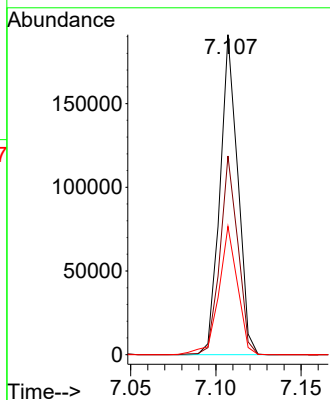
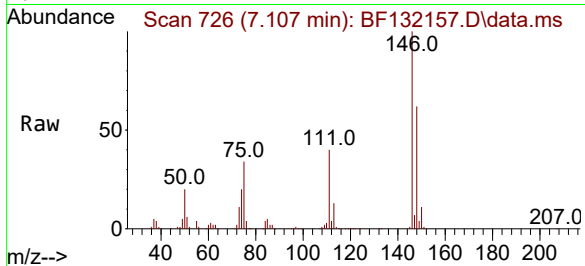




#13
1,4-Dichlorobenzene
Concen: 10.395 ng
RT: 7.107 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

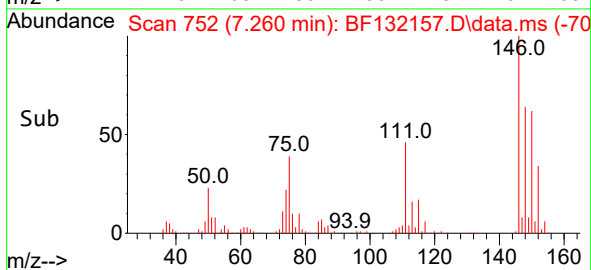
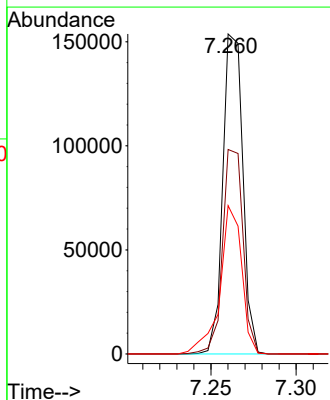
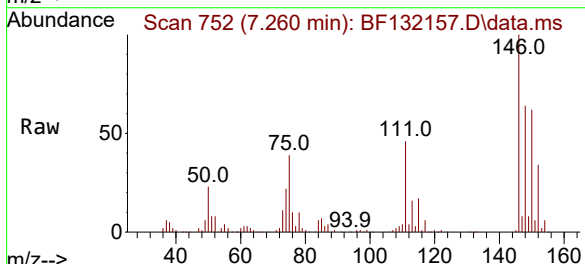
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

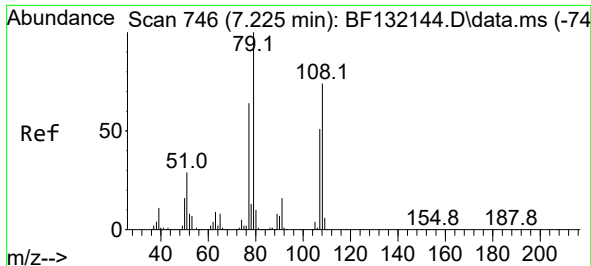
Tgt Ion:146 Resp: 138872
Ion Ratio Lower Upper
146 100
148 62.1 49.9 74.9
111 40.1 35.2 52.8



#14
1,2-Dichlorobenzene
Concen: 10.153 ng
RT: 7.260 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:146 Resp: 125412
Ion Ratio Lower Upper
146 100
148 63.9 52.0 78.0
111 46.4 35.4 53.2

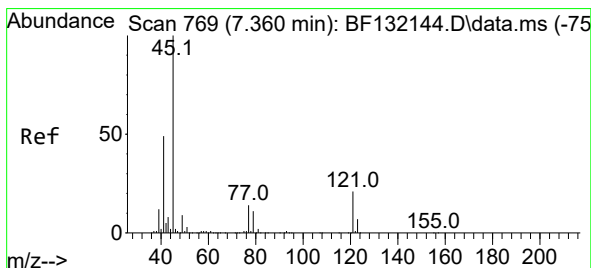
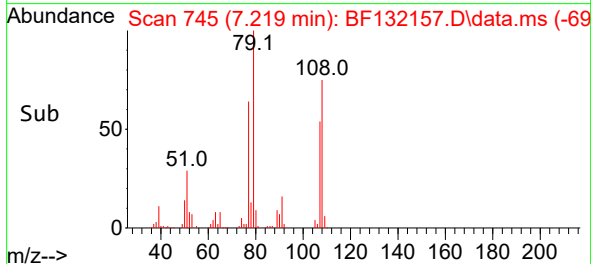
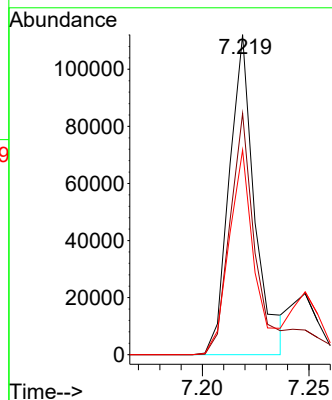
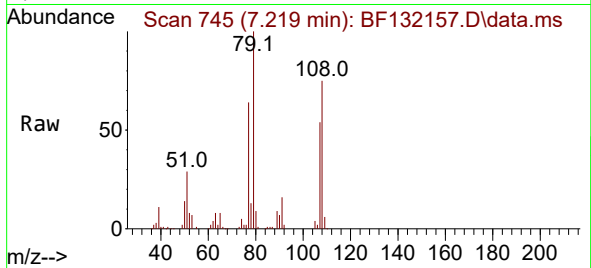




#15
Benzyl Alcohol
Concen: 8.519 ng
RT: 7.219 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

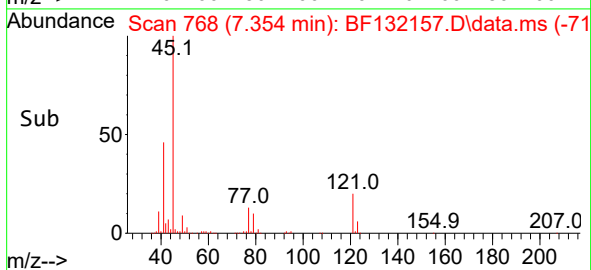
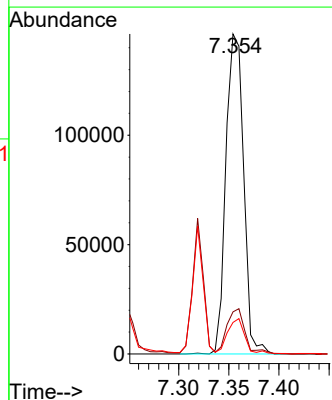
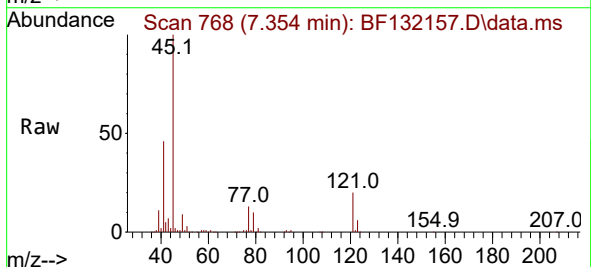
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

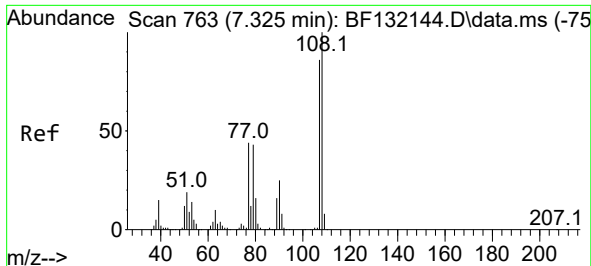
Tgt Ion: 79 Resp: 93462
Ion Ratio Lower Upper
79 100
108 75.4 58.9 88.3
77 64.0 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.777 ng
RT: 7.354 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion: 45 Resp: 179611
Ion Ratio Lower Upper
45 100
77 13.2 0.0 34.3
79 9.9 0.0 30.9

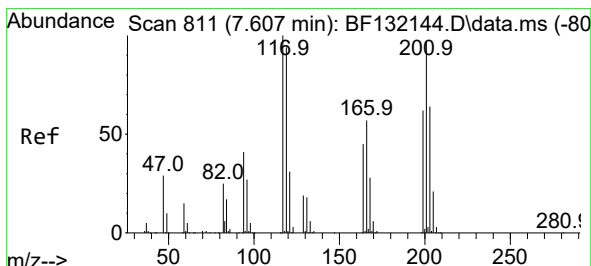
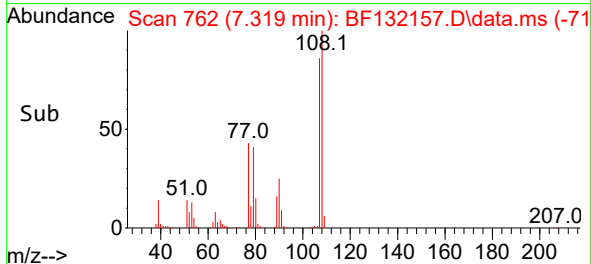
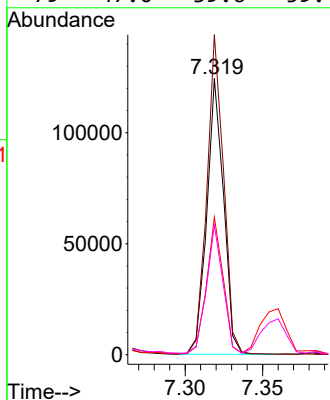
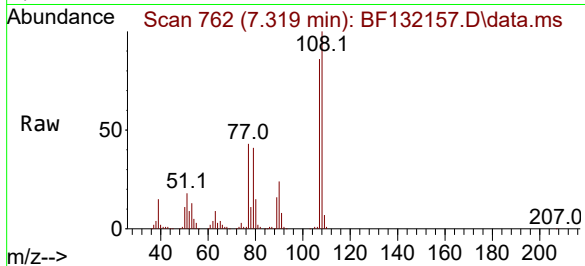




#17
2-Methylphenol
Concen: 8.868 ng
RT: 7.319 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

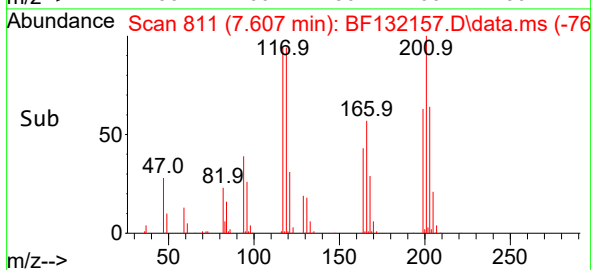
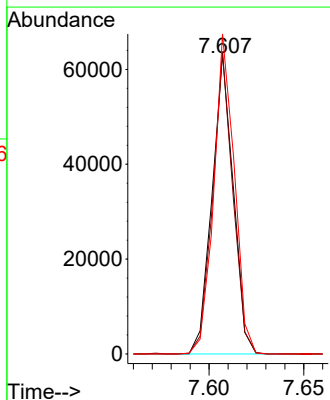
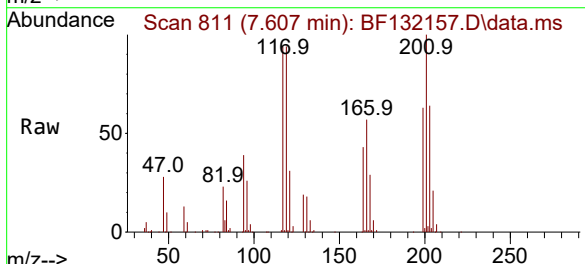
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

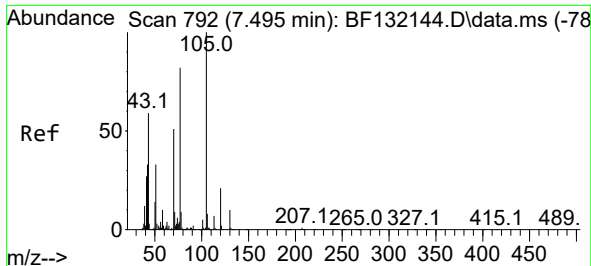
Tgt Ion:	107	Resp:	93046
Ion	Ratio	Lower	Upper
107	100		
108	115.9	92.8	139.2
77	49.8	41.1	61.7
79	47.0	39.6	59.4



#18
Hexachloroethane
Concen: 10.241 ng
RT: 7.607 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:	117	Resp:	49108
Ion	Ratio	Lower	Upper
117	100		
119	100.7	75.4	113.0
201	106.6	77.9	116.9

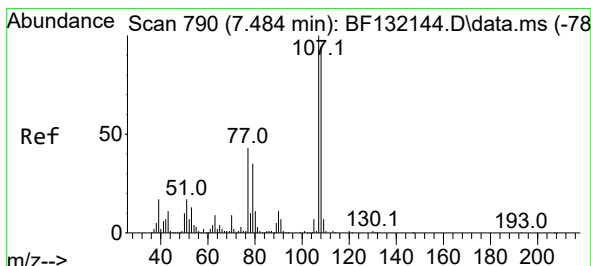
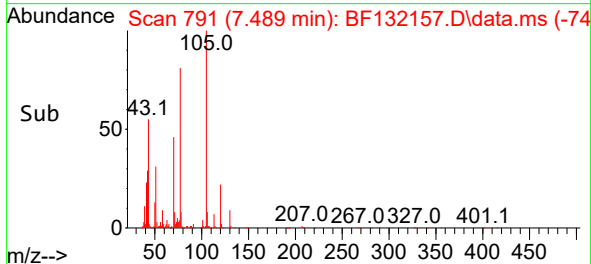
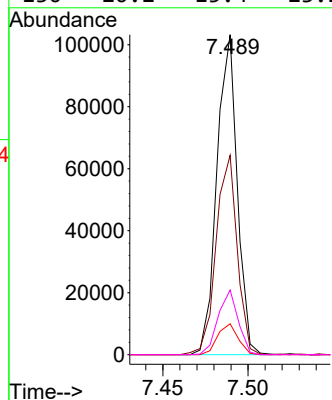
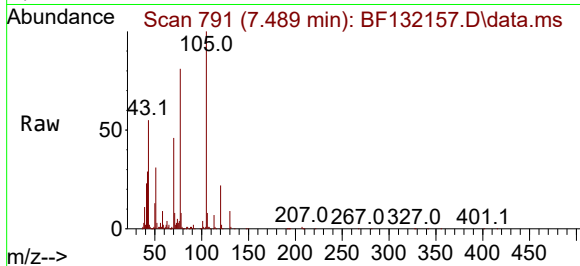




#19
n-Nitroso-di-n-propylamine
Concen: 9.748 ng
RT: 7.489 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

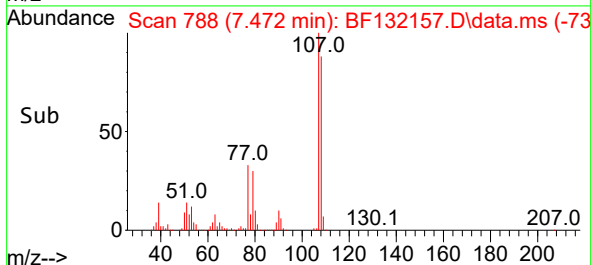
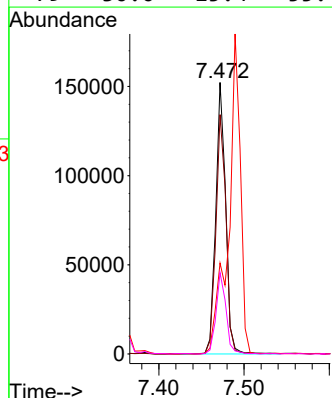
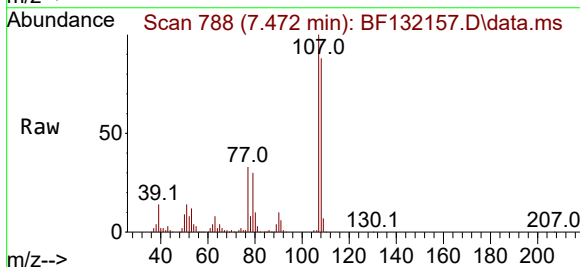
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

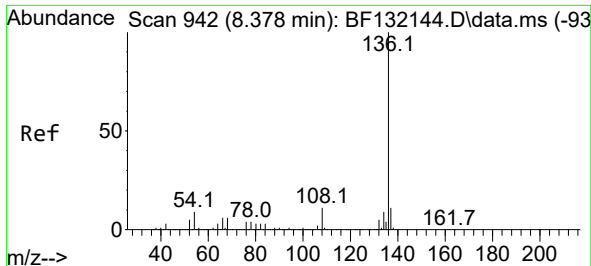
Tgt Ion: 70 Resp: 85640
Ion Ratio Lower Upper
70 100
42 62.3 51.0 76.4
101 9.6 7.3 10.9
130 20.2 15.4 23.2



#20
3+4-Methylphenols
Concen: 9.322 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.012 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion: 107 Resp: 123253
Ion Ratio Lower Upper
107 100
108 88.2 73.8 113.8
77 33.5 22.8 62.8
79 30.0 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: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:136 Resp: 693896

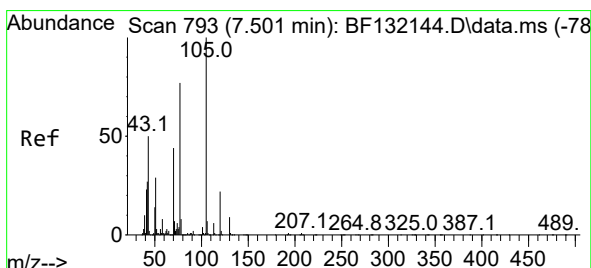
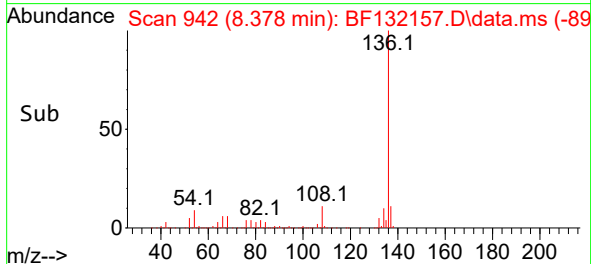
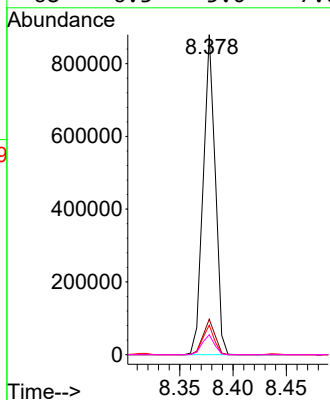
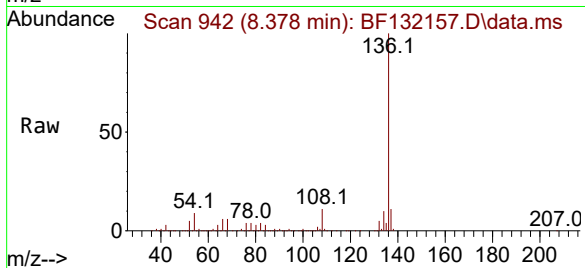
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.2 7.0 10.6

68 6.3 5.0 7.6



#22

Acetophenone

Concen: 10.440 ng

RT: 7.489 min Scan# 791

Delta R.T. -0.012 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Tgt Ion:105 Resp: 174115

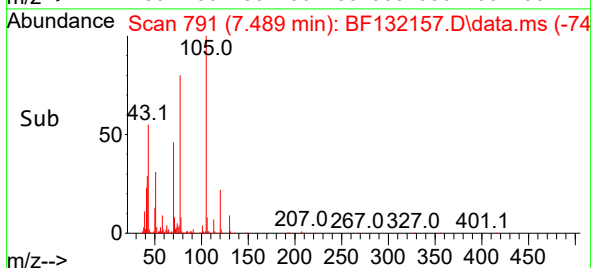
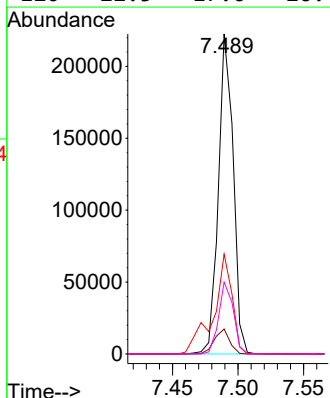
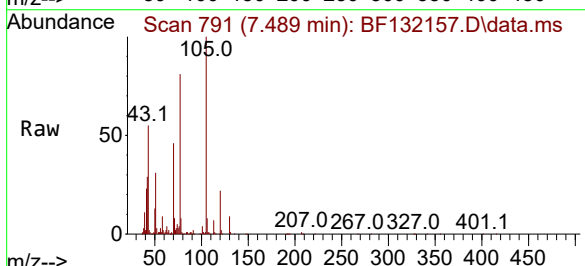
Ion Ratio Lower Upper

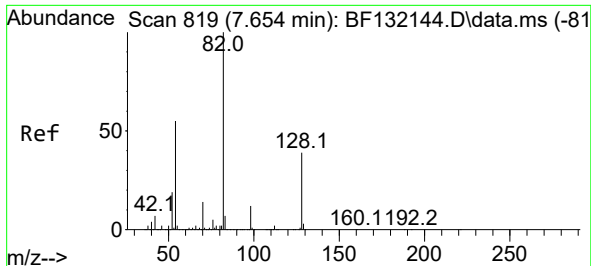
105 100

71 7.8 5.8 8.6

51 31.2 23.0 34.6

120 22.5 17.6 26.4





#23

Nitrobenzene-d5

Concen: 68.390 ng

RT: 7.654 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

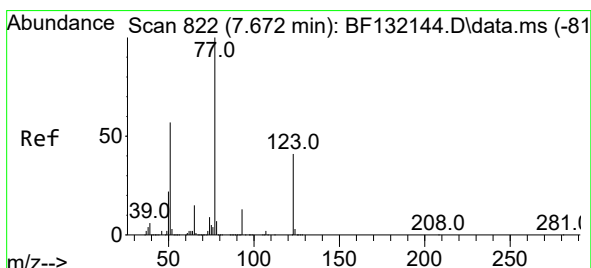
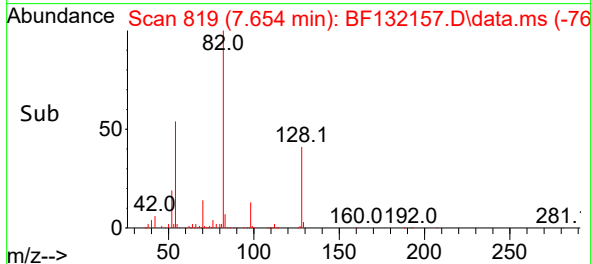
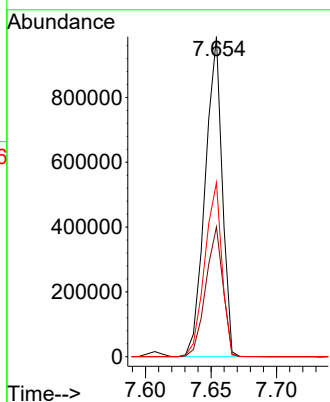
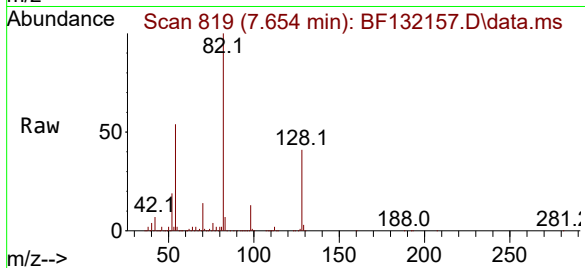
Tgt Ion: 82 Resp: 893312

Ion Ratio Lower Upper

82 100

128 40.5 31.1 46.7

54 54.4 43.9 65.9



#24

Nitrobenzene

Concen: 9.654 ng

RT: 7.672 min Scan# 822

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

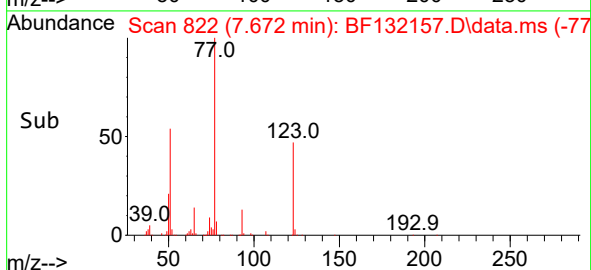
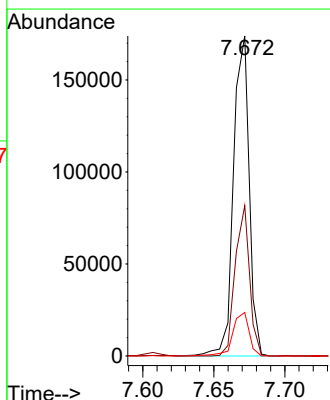
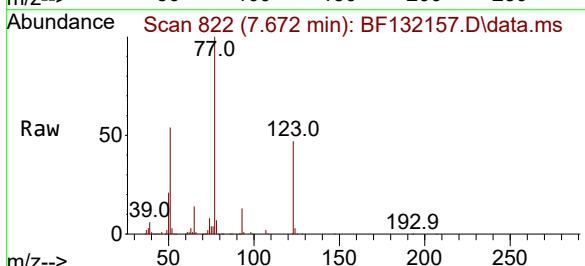
Tgt Ion: 77 Resp: 133517

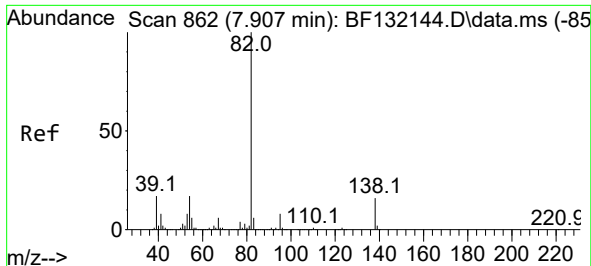
Ion Ratio Lower Upper

77 100

123 47.0 33.1 49.7

65 13.6 11.7 17.5

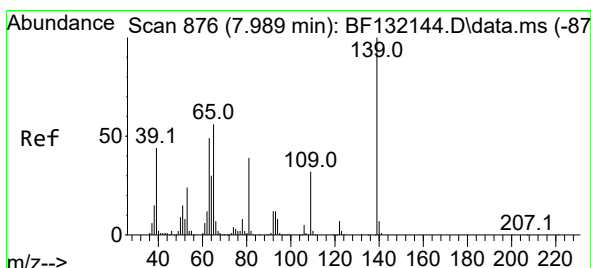
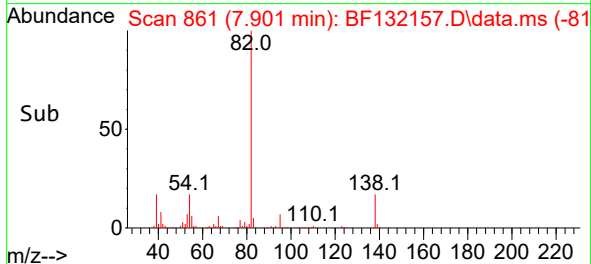
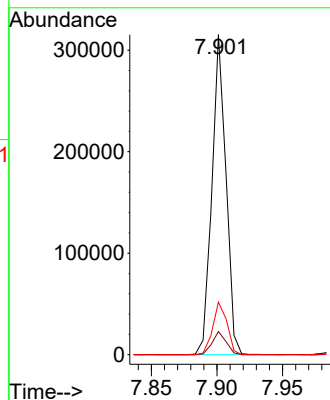
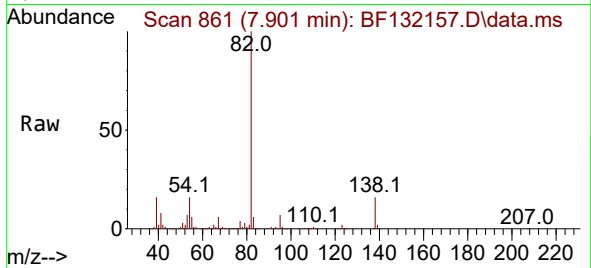




#25
Isophorone
Concen: 9.196 ng
RT: 7.901 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

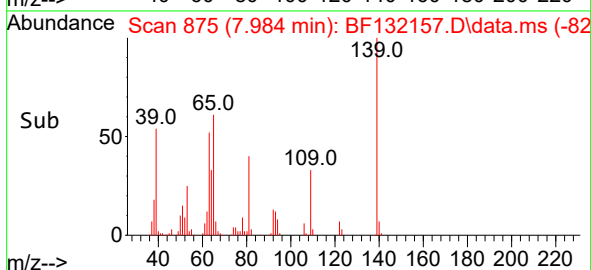
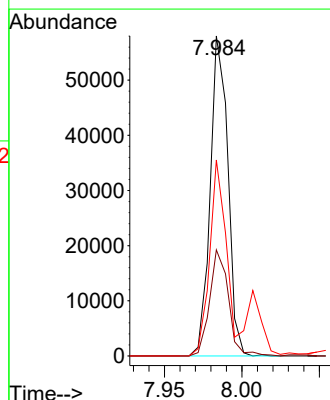
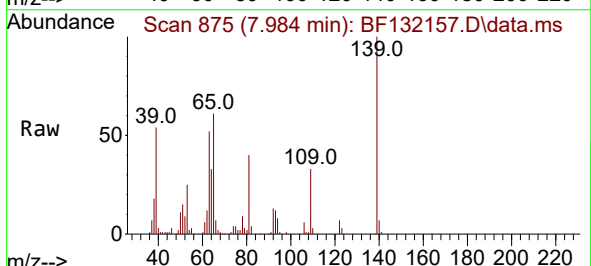
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

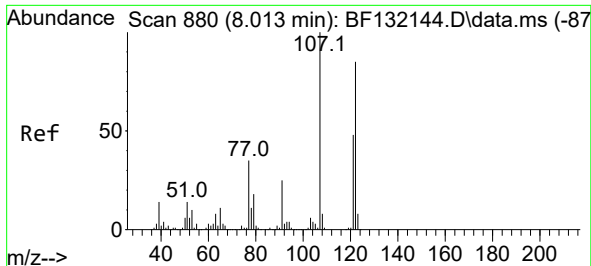
Tgt Ion: 82 Resp: 235031
Ion Ratio Lower Upper
82 100
95 7.3 6.2 9.2
138 16.5 12.9 19.3



#26
2-Nitrophenol
Concen: 10.426 ng
RT: 7.984 min Scan# 875
Delta R.T. -0.005 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:139 Resp: 45867
Ion Ratio Lower Upper
139 100
109 33.2 25.8 38.8
65 61.2 44.6 66.8





#27

2,4-Dimethylphenol

Concen: 7.249 ng

RT: 8.007 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

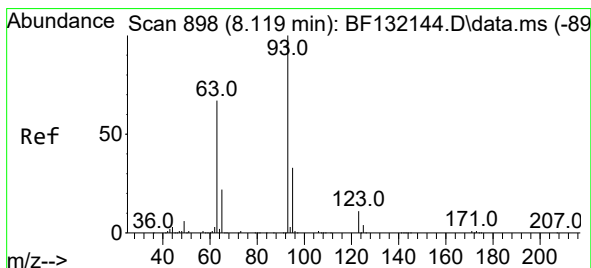
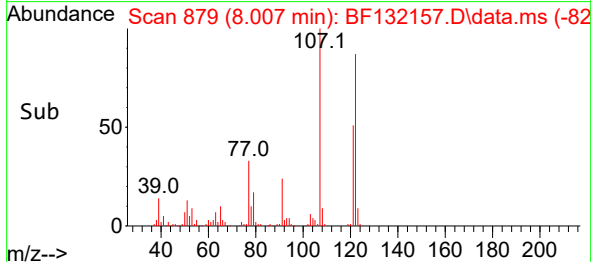
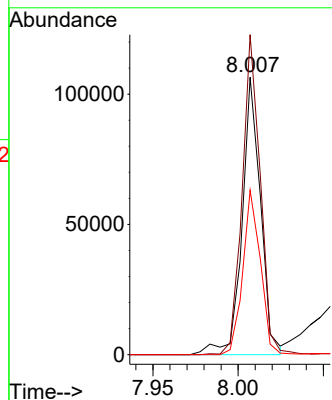
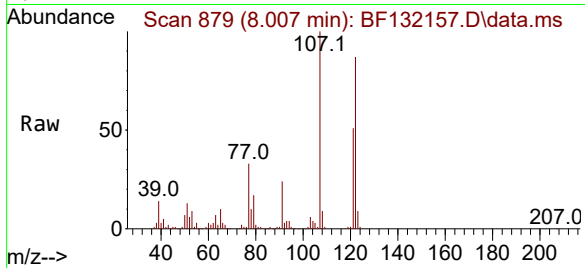
Tgt Ion:122 Resp: 80171

Ion Ratio Lower Upper

122 100

107 115.3 94.2 141.4

121 59.2 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 9.735 ng

RT: 8.113 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

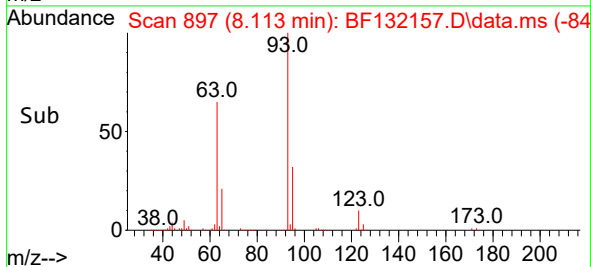
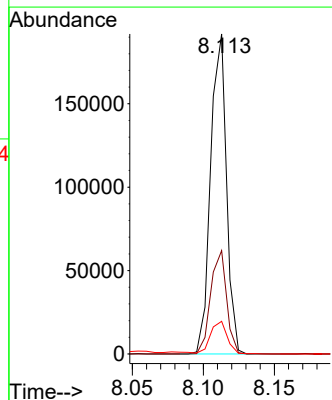
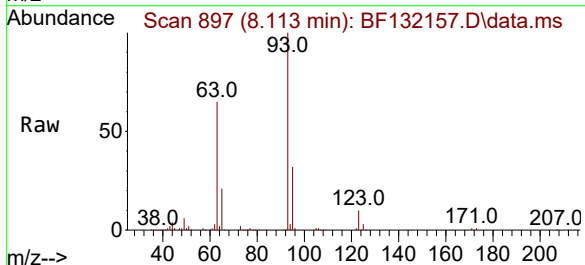
Tgt Ion: 93 Resp: 149276

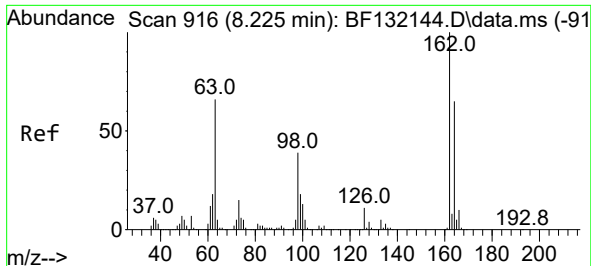
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 10.2 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.518 ng

RT: 8.219 min Scan# 916

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

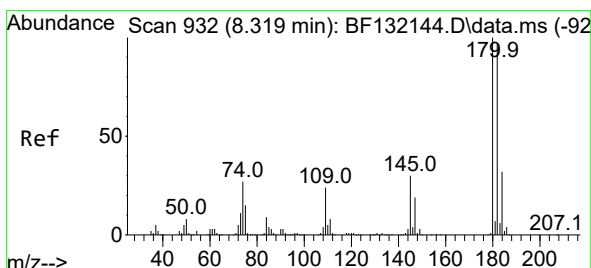
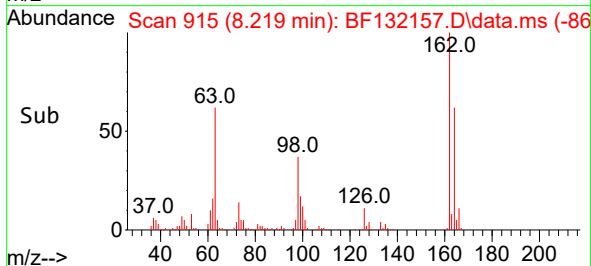
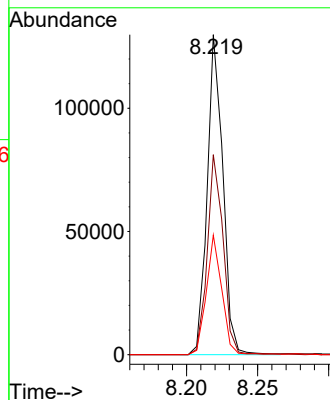
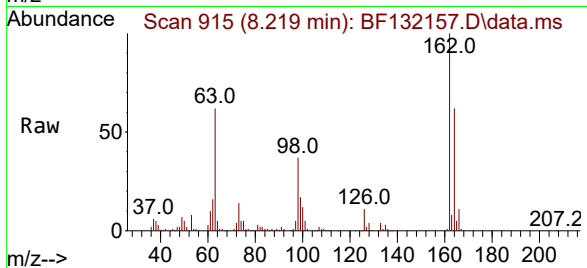
Tgt Ion:162 Resp: 99927

Ion Ratio Lower Upper

162 100

164 62.5 44.7 84.7

98 37.4 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 9.856 ng

RT: 8.313 min Scan# 931

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

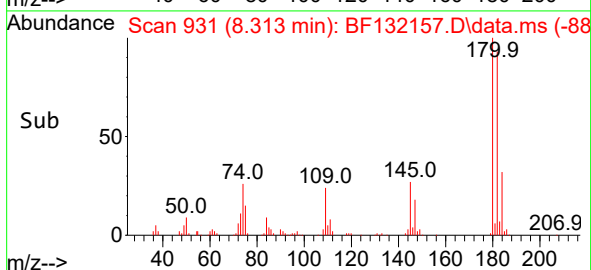
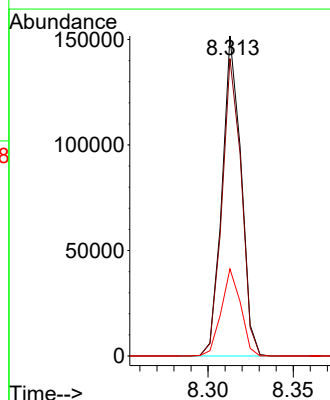
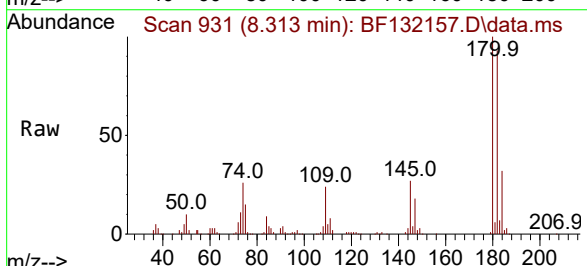
Tgt Ion:180 Resp: 117535

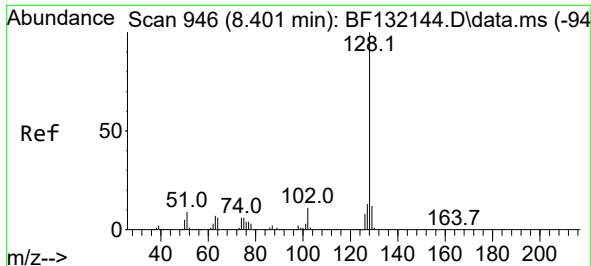
Ion Ratio Lower Upper

180 100

182 93.0 77.4 116.0

145 27.2 23.8 35.6

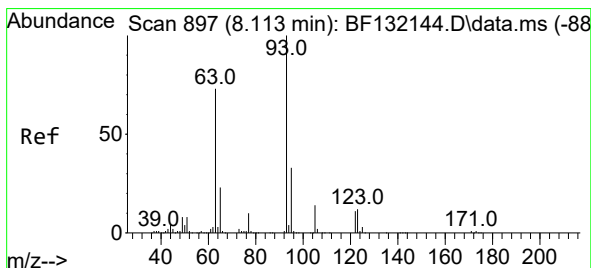
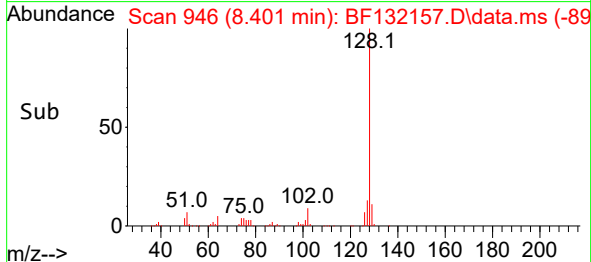
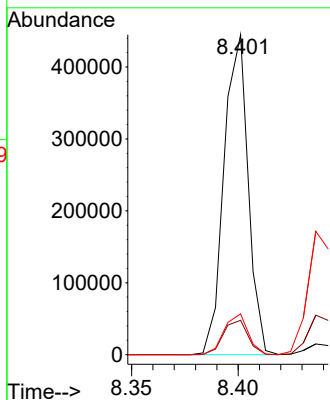
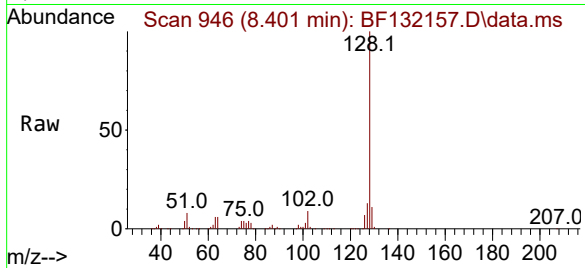




#31
Naphthalene
Concen: 9.838 ng
RT: 8.401 min Scan# 946
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

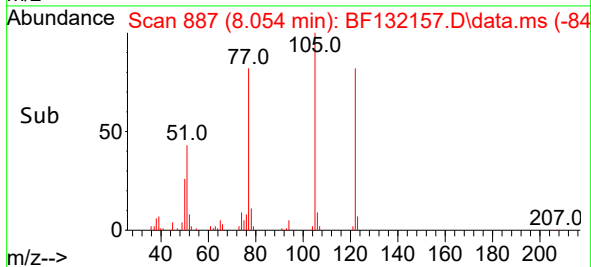
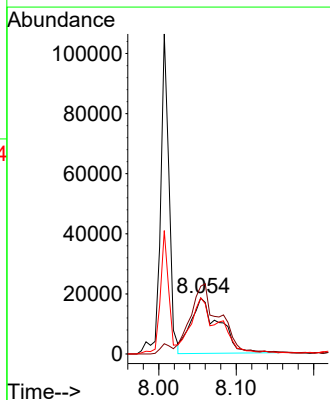
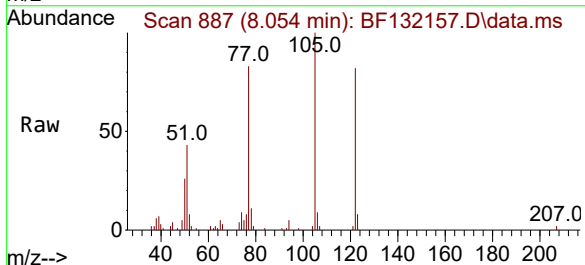
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

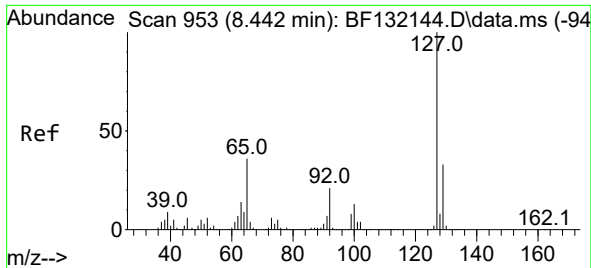
Tgt Ion:128 Resp: 350581
Ion Ratio Lower Upper
128 100
129 10.7 9.3 13.9
127 12.8 10.6 15.8



#32
Benzoic acid
Concen: 7.283 ng
RT: 8.054 min Scan# 887
Delta R.T. -0.059 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:122 Resp: 47166
Ion Ratio Lower Upper
122 100
105 121.2 96.8 136.8
77 100.6 72.5 112.5

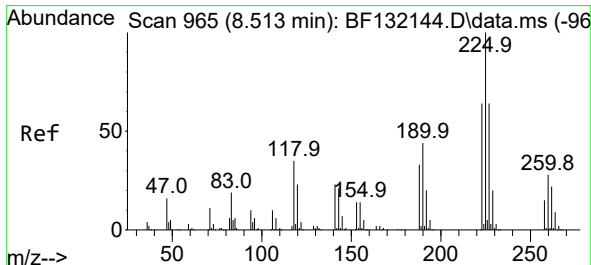
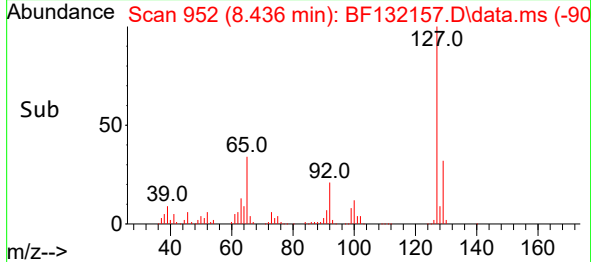
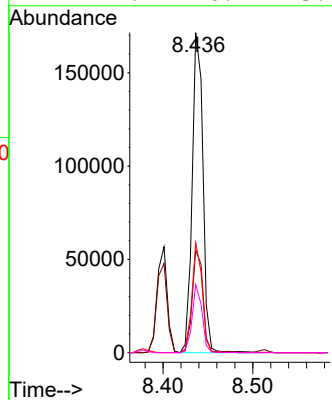
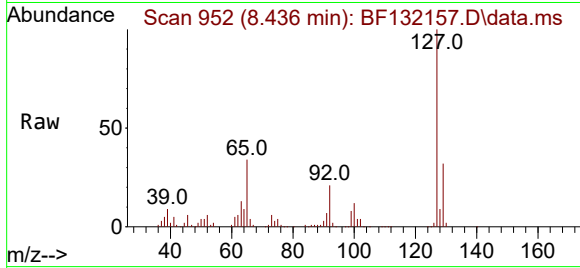




#33
4-Chloroaniline
Concen: 9.418 ng
RT: 8.436 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

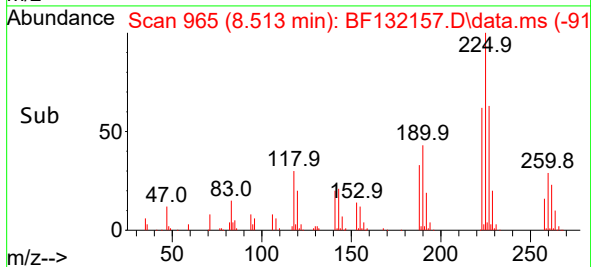
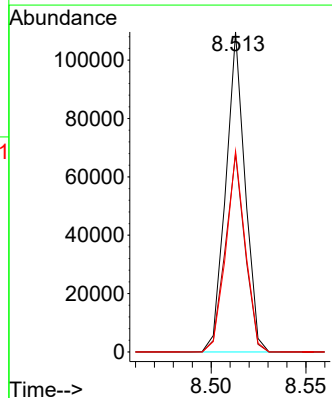
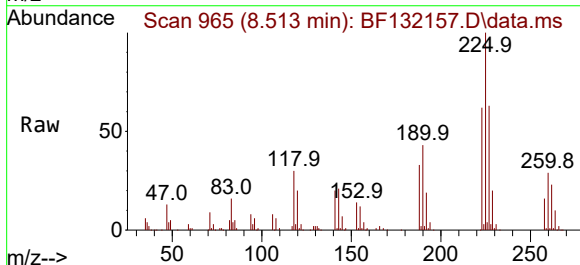
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

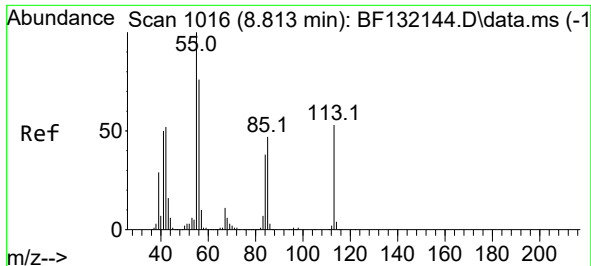
Tgt Ion:127	Resp: 143621
Ion Ratio	Lower Upper
127 100	
129 32.0	26.0 39.0
65 34.4	28.4 42.6
92 21.2	16.7 25.1



#34
Hexachlorobutadiene
Concen: 9.697 ng
RT: 8.513 min Scan# 965
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:225	Resp: 77684
Ion Ratio	Lower Upper
225 100	
223 61.9	50.9 76.3
227 62.8	50.8 76.2

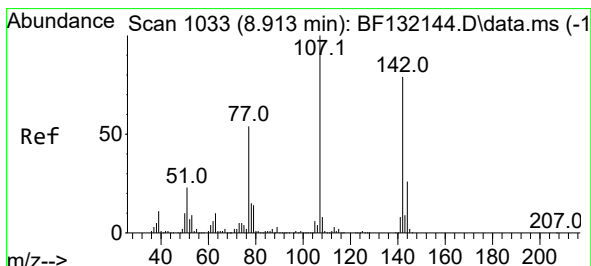
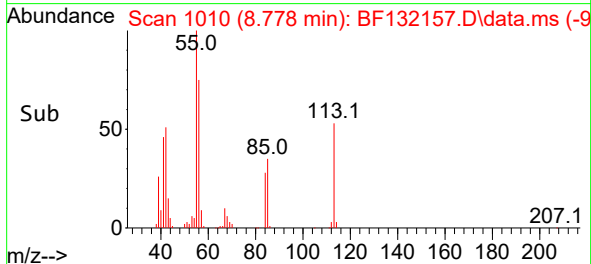
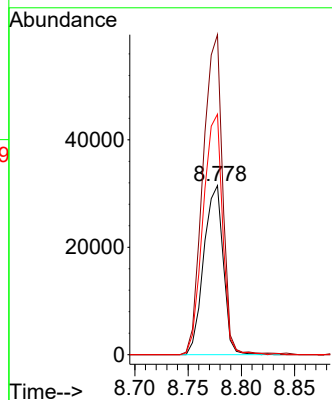
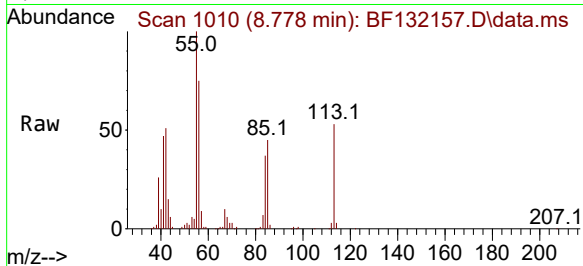




#35
 Caprolactam
 Concen: 13.460 ng
 RT: 8.778 min Scan# 1010
 Delta R.T. -0.035 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

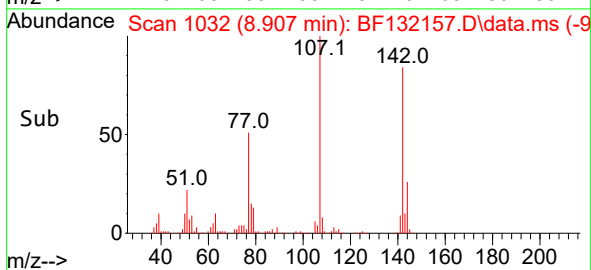
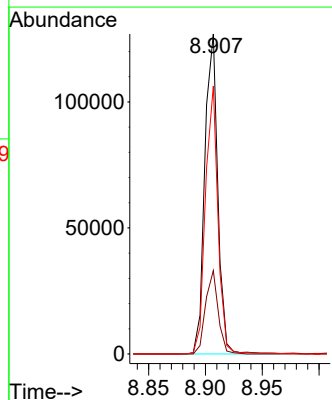
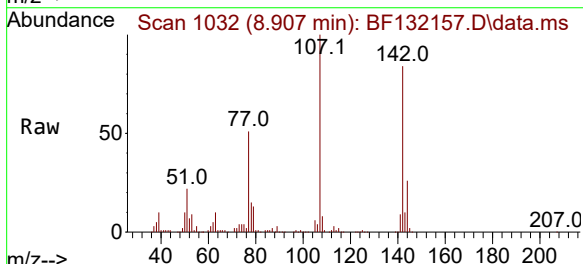
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

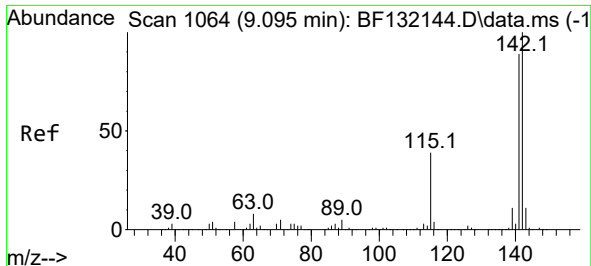
Tgt Ion:113 Resp: 40074
 Ion Ratio Lower Upper
 113 100
 55 189.3 167.5 207.5
 56 142.2 122.0 162.0



#36
 4-Chloro-3-methylphenol
 Concen: 9.556 ng
 RT: 8.907 min Scan# 1032
 Delta R.T. -0.006 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

Tgt Ion:107 Resp: 100968
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.0 31.4
 142 83.7 63.6 95.4

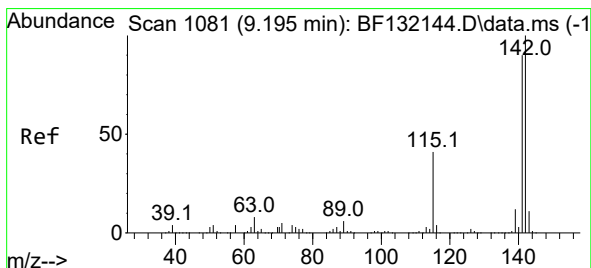
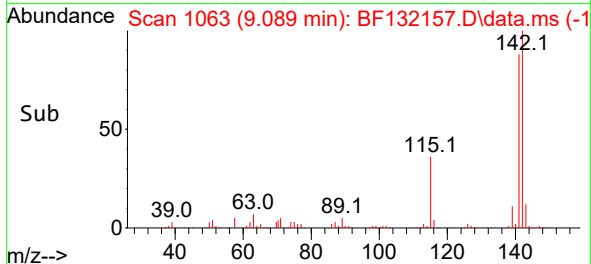
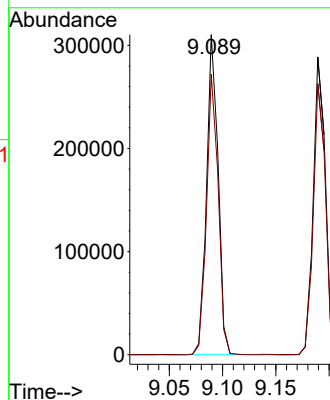
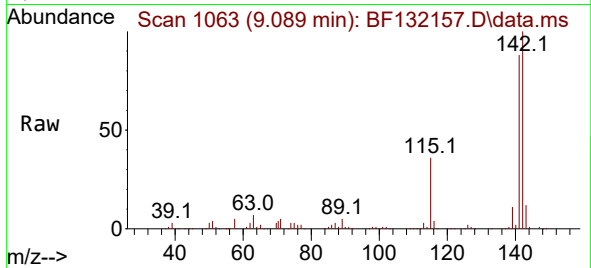




#37
2-Methylnaphthalene
Concen: 9.580 ng
RT: 9.089 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

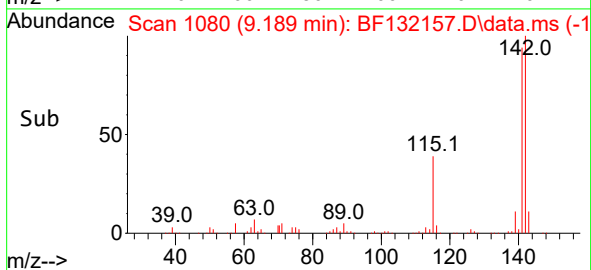
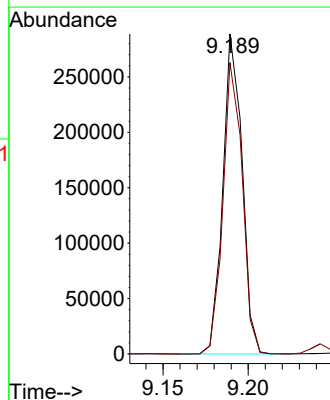
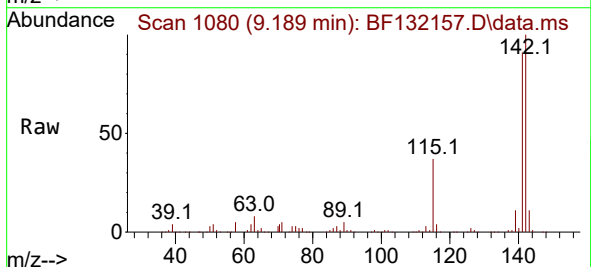
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

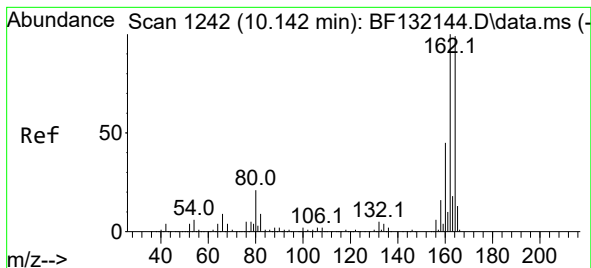
Tgt Ion:142 Resp: 235055
Ion Ratio Lower Upper
142 100
141 87.7 71.1 106.7



#38
1-Methylnaphthalene
Concen: 9.946 ng
RT: 9.189 min Scan# 1080
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:142 Resp: 227056
Ion Ratio Lower Upper
142 100
141 91.0 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: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

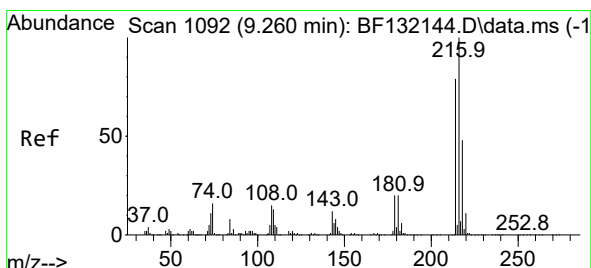
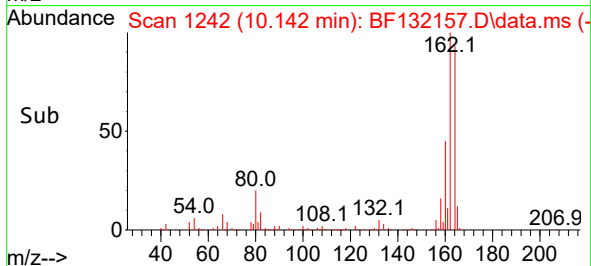
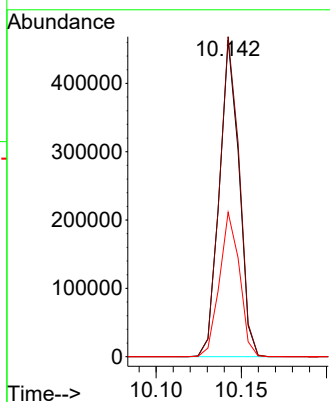
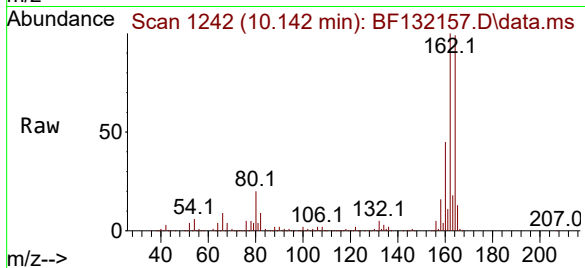
Tgt Ion:164 Resp: 372010

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

160 45.6 36.9 55.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.832 ng

RT: 9.254 min Scan# 1091

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Tgt Ion:216 Resp: 127263

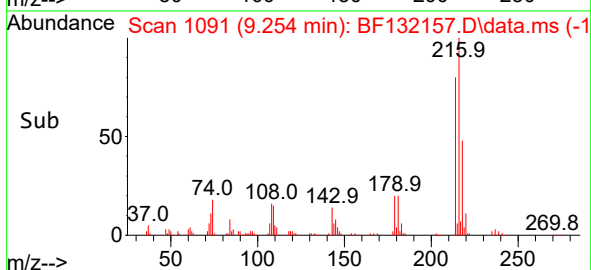
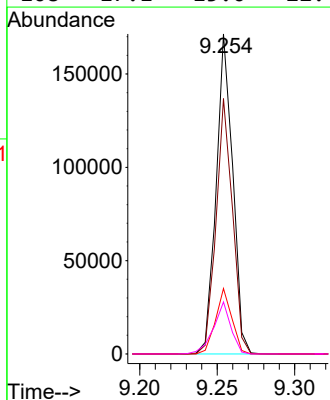
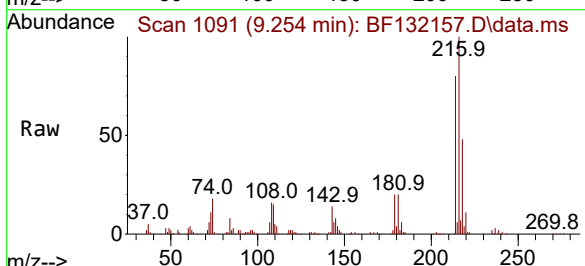
Ion Ratio Lower Upper

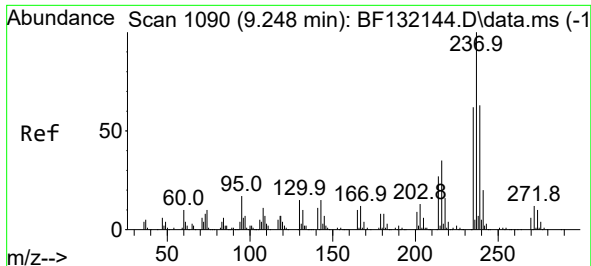
216 100

214 79.0 63.1 94.7

179 20.1 16.6 24.8

108 17.1 15.0 22.4

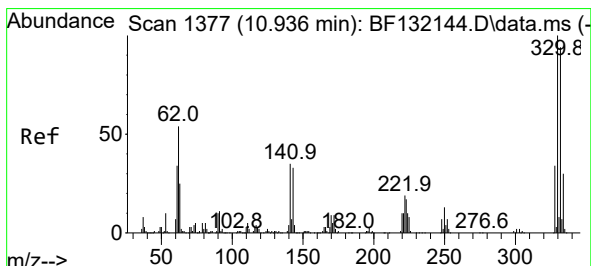
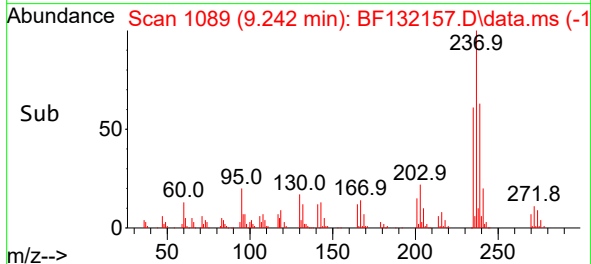
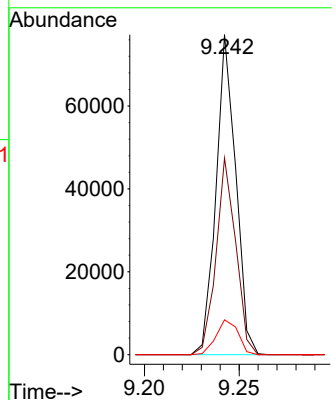
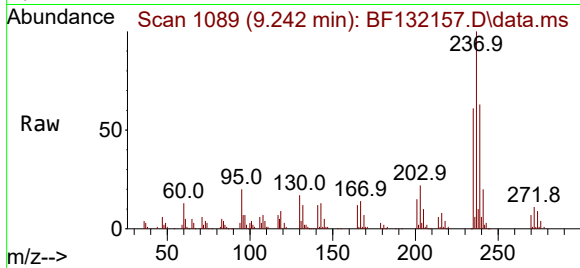




#41
Hexachlorocyclopentadiene
Concen: 7.943 ng
RT: 9.242 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

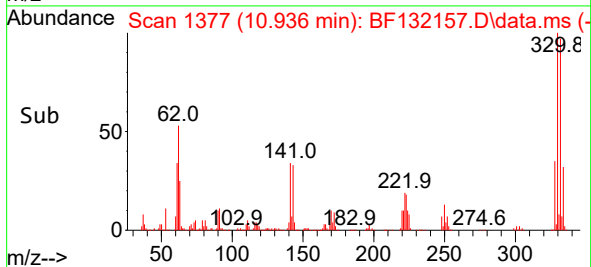
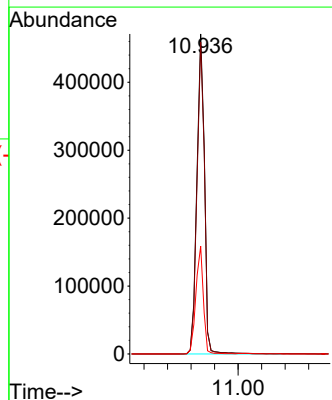
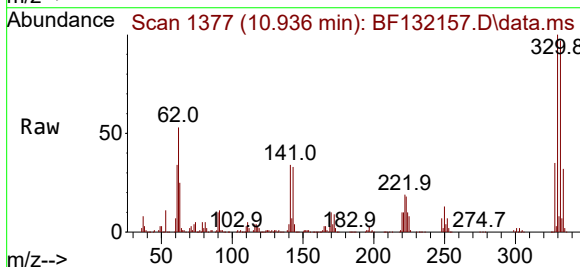
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

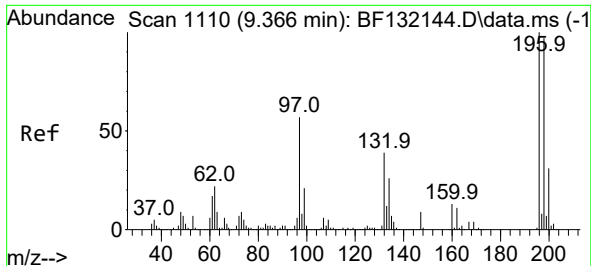
Tgt Ion:237	Resp:	56103
Ion Ratio	Lower	Upper
237	100	
235	61.5	41.7 81.7
272	10.9	0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 105.457 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:330	Resp:	419046
Ion Ratio	Lower	Upper
330	100	
332	96.8	75.6 113.4
141	33.3	27.1 40.7





#43

2,4,6-Trichlorophenol

Concen: 9.127 ng

RT: 9.360 min Scan# 1110

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

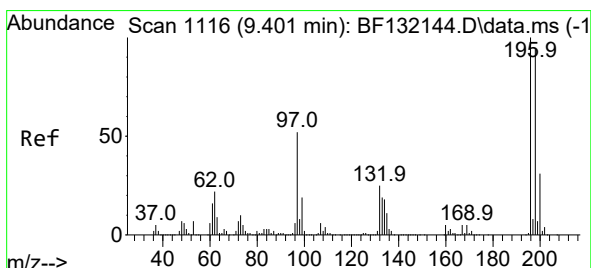
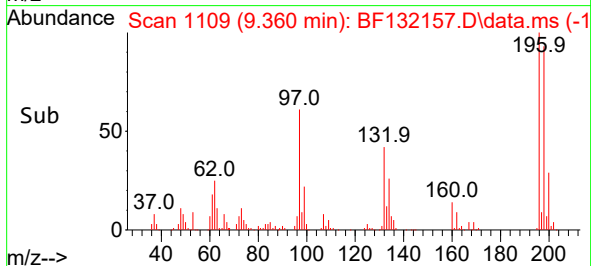
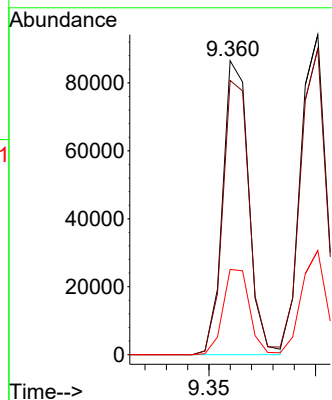
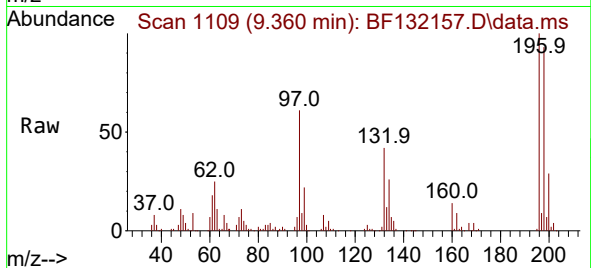
Tgt Ion:196 Resp: 73320

Ion Ratio Lower Upper

196 100

198 93.3 77.4 116.2

200 29.0 24.9 37.3



#44

2,4,5-Trichlorophenol

Concen: 8.647 ng

RT: 9.401 min Scan# 1116

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Tgt Ion:196 Resp: 81238

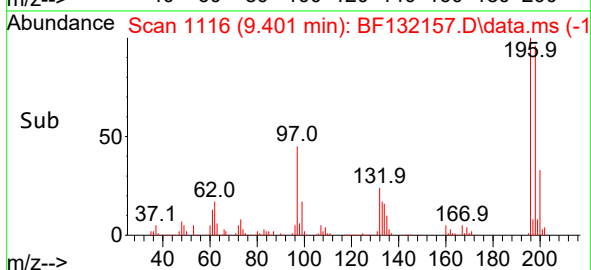
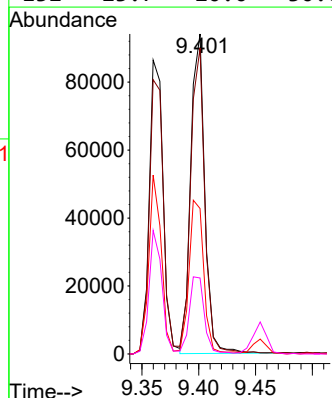
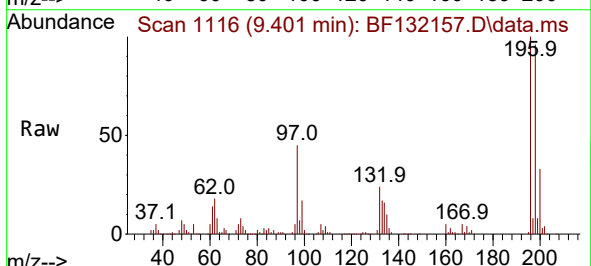
Ion Ratio Lower Upper

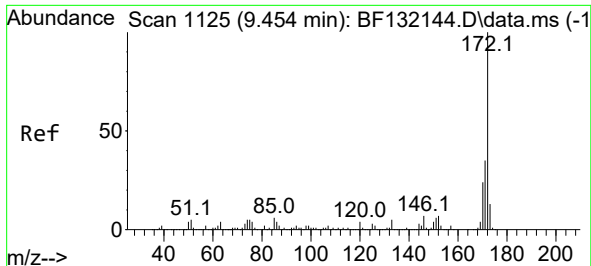
196 100

198 95.6 75.3 112.9

97 45.5 41.3 61.9

132 23.7 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 60.711 ng

RT: 9.454 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

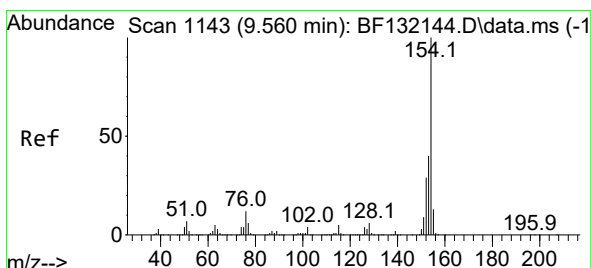
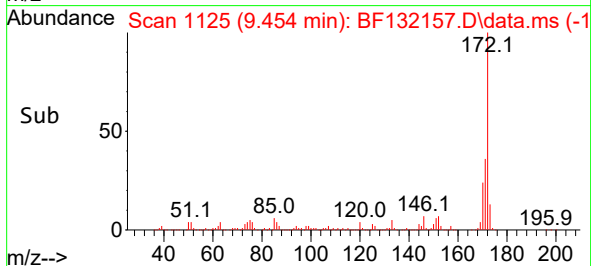
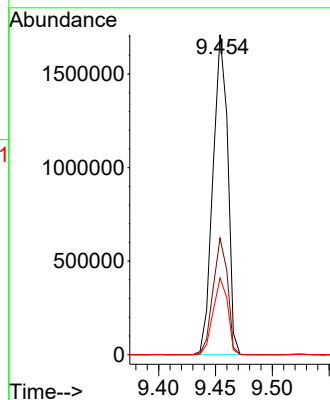
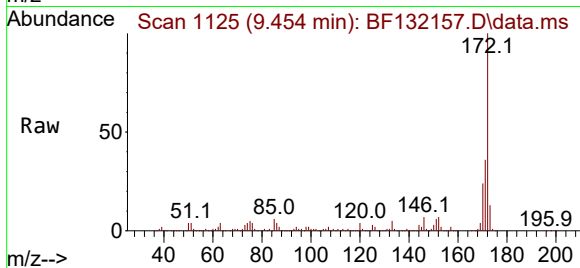
Tgt Ion:172 Resp: 1545632

Ion Ratio Lower Upper

172 100

171 36.4 28.2 42.2

170 23.9 19.6 29.4



#46

1,1'-Biphenyl

Concen: 10.162 ng

RT: 9.554 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

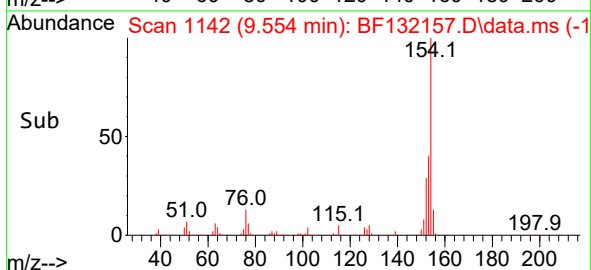
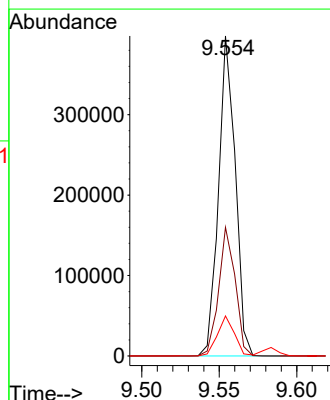
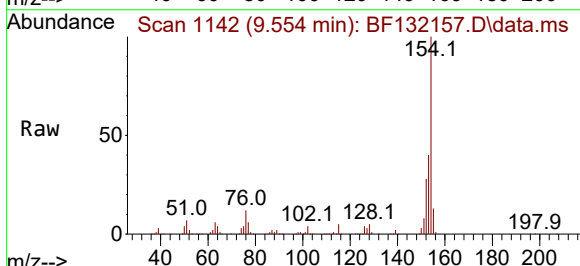
Tgt Ion:154 Resp: 298246

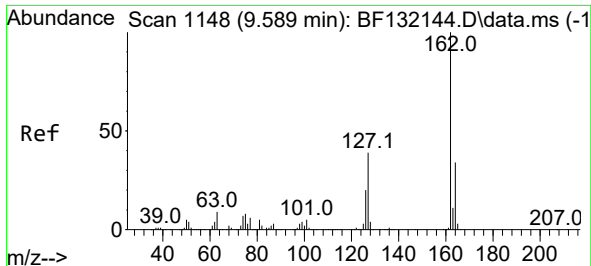
Ion Ratio Lower Upper

154 100

153 40.2 20.2 60.2

76 12.5 0.0 32.2





#47

2-Chloronaphthalene

Concen: 10.037 ng

RT: 9.583 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

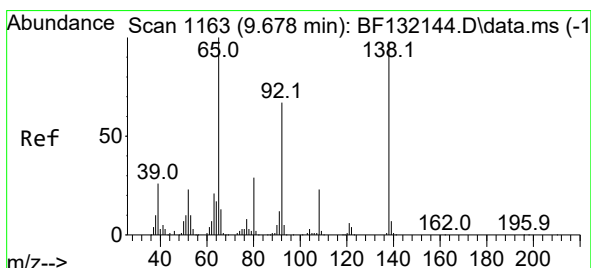
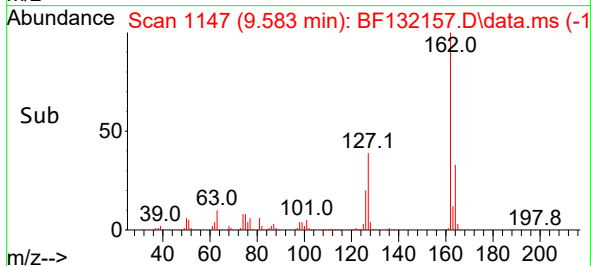
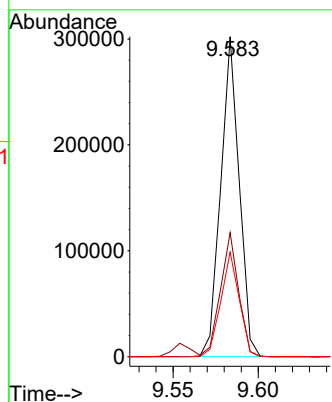
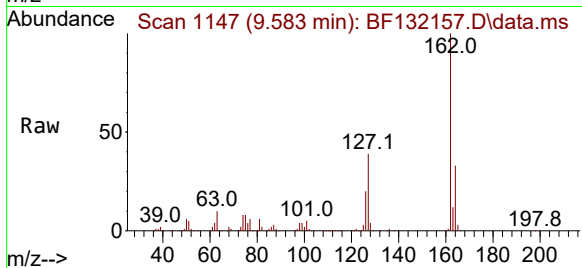
Tgt Ion:162 Resp: 227716

Ion Ratio Lower Upper

162 100

127 38.8 31.1 46.7

164 32.7 26.9 40.3



#48

2-Nitroaniline

Concen: 9.469 ng

RT: 9.672 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

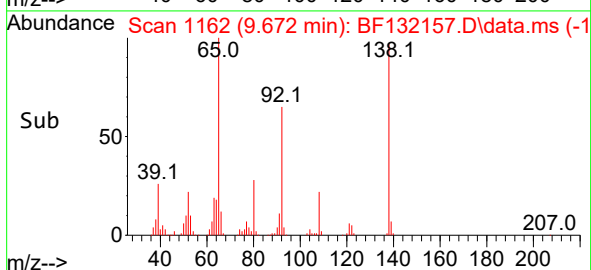
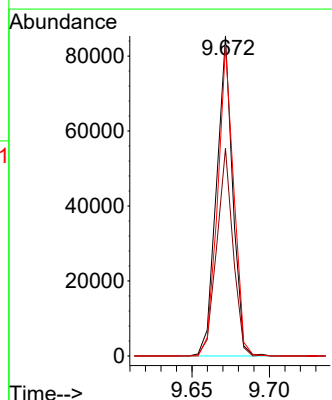
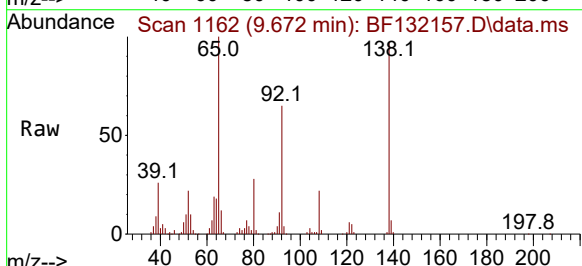
Tgt Ion: 65 Resp: 61853

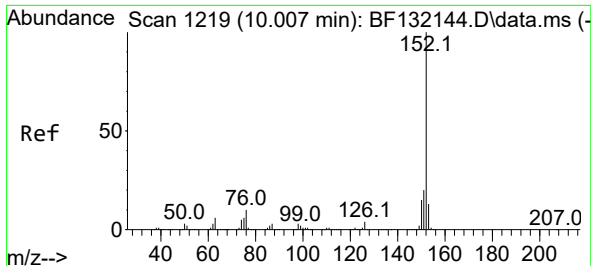
Ion Ratio Lower Upper

65 100

92 64.9 53.8 80.6

138 97.0 78.7 118.1

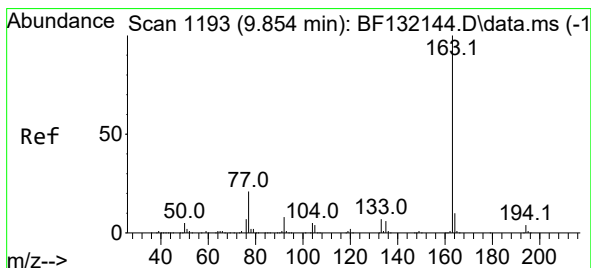
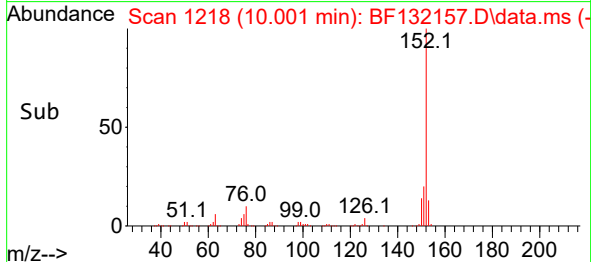
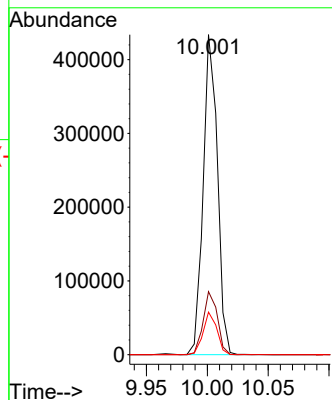
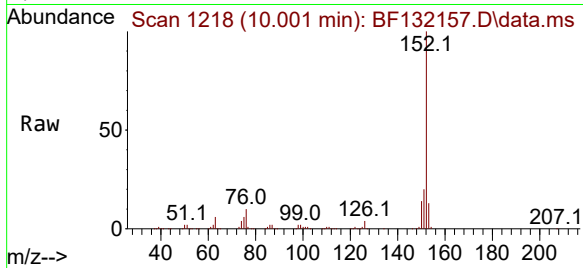




#49
Acenaphthylene
Concen: 9.672 ng
RT: 10.001 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

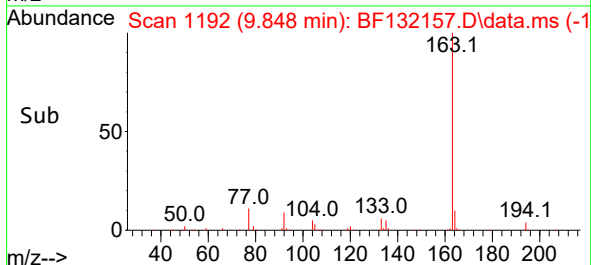
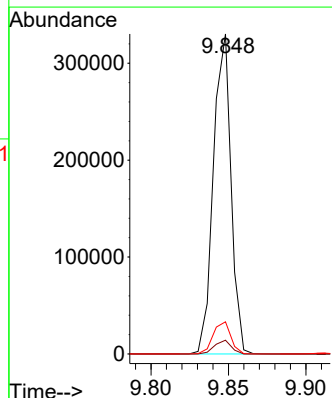
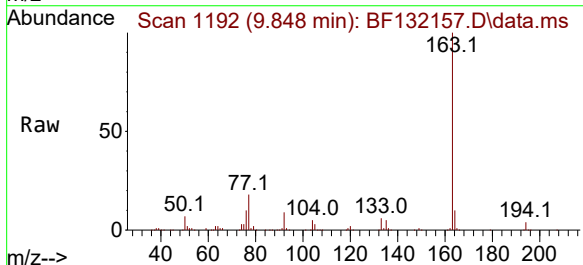
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

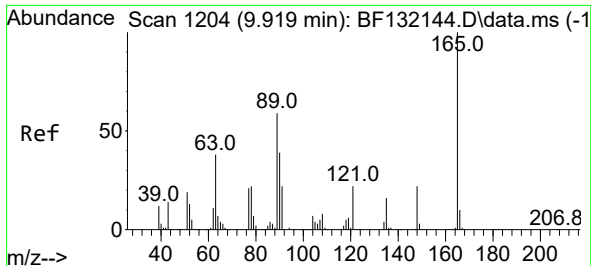
Tgt Ion:152 Resp: 351040
Ion Ratio Lower Upper
152 100
151 19.7 16.4 24.6
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 9.672 ng
RT: 9.848 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:163 Resp: 260595
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 10.1 8.2 12.2

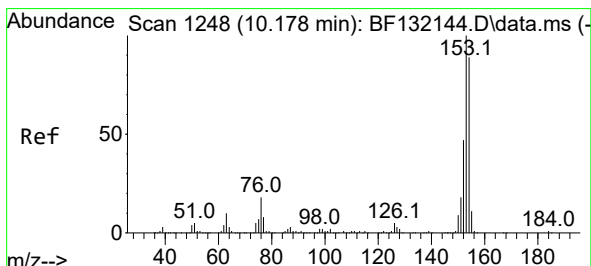
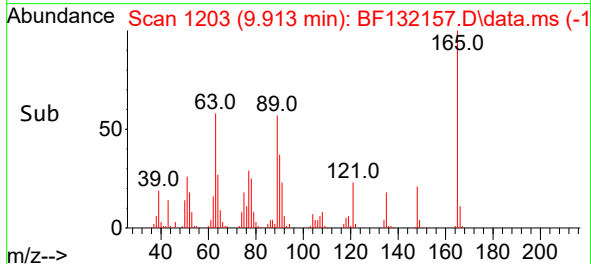
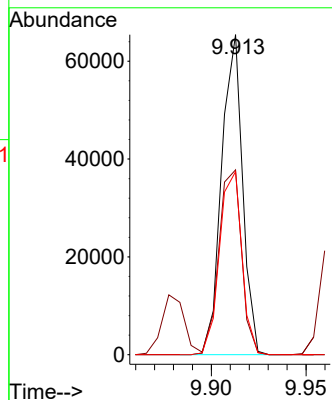
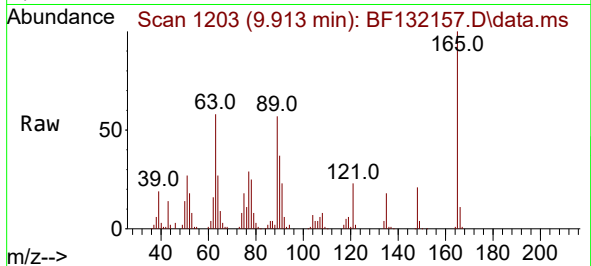




#51
2,6-Dinitrotoluene
Concen: 9.638 ng
RT: 9.913 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

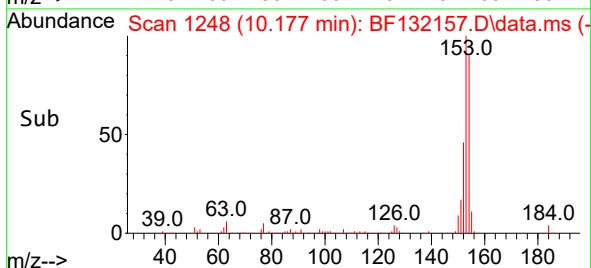
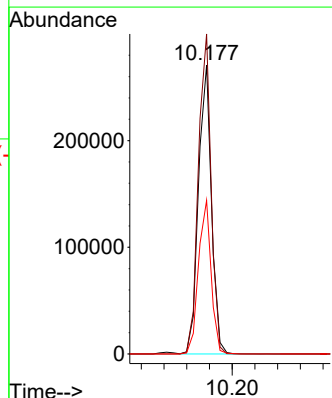
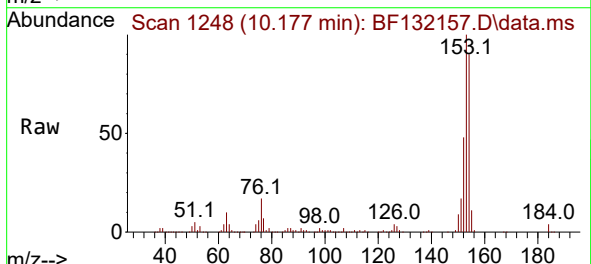
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

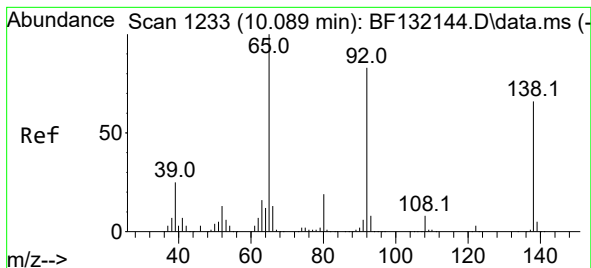
Tgt Ion:165 Resp: 50332
Ion Ratio Lower Upper
165 100
63 57.8 46.6 70.0
89 57.2 47.4 71.2



#52
Acenaphthene
Concen: 9.863 ng
RT: 10.177 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:154 Resp: 215313
Ion Ratio Lower Upper
154 100
153 110.8 89.8 134.8
152 53.2 42.3 63.5





#53

3-Nitroaniline

Concen: 9.748 ng

RT: 10.083 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

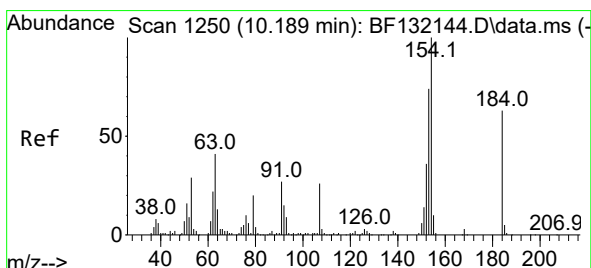
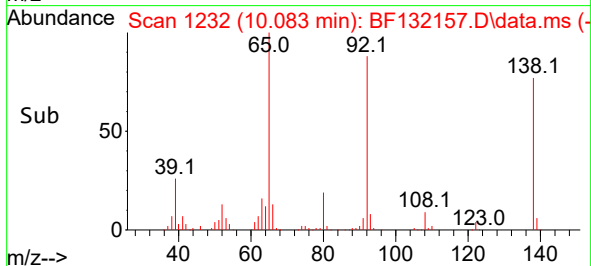
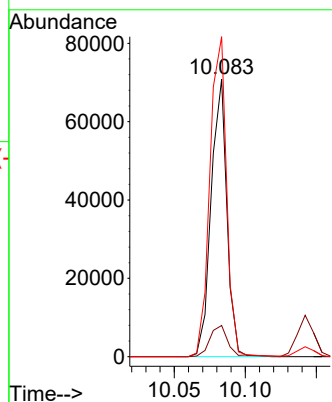
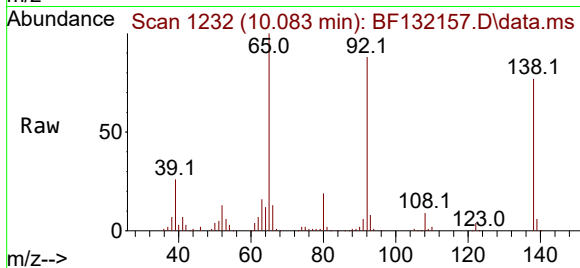
Tgt Ion:138 Resp: 54428

Ion Ratio Lower Upper

138 100

108 11.3 9.1 13.7

92 115.3 101.2 151.8



#54

2,4-Dinitrophenol

Concen: 8.143 ng

RT: 10.183 min Scan# 1249

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

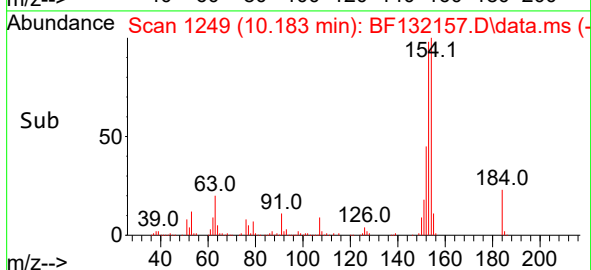
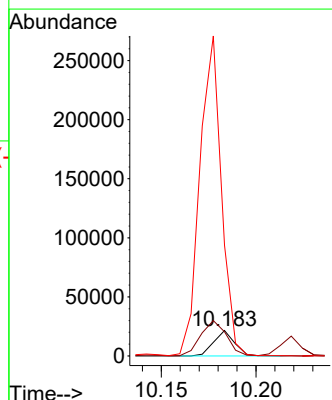
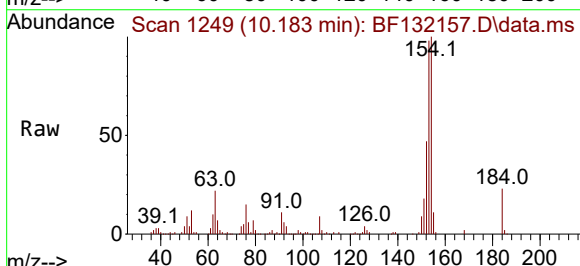
Tgt Ion:184 Resp: 16396

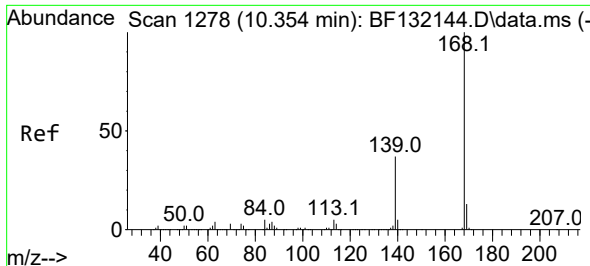
Ion Ratio Lower Upper

184 100

63 95.2 53.2 79.8#

154 435.0 129.4 194.0#

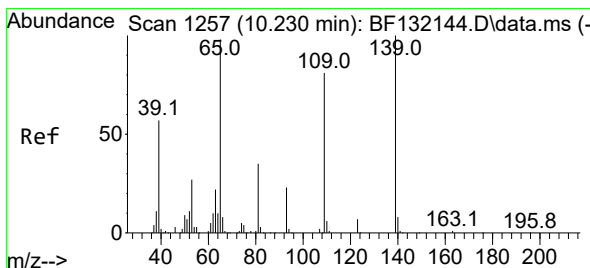
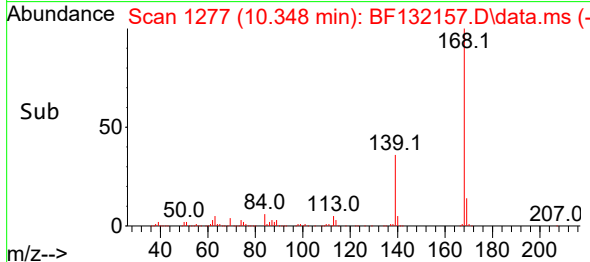
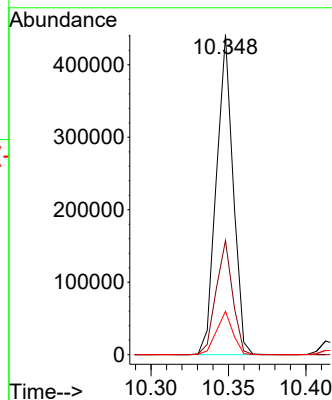
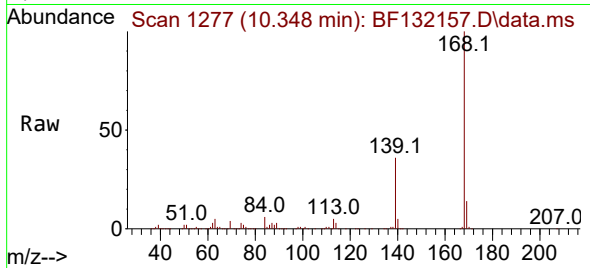




#55
Dibenzenofuran
Concen: 9.827 ng
RT: 10.348 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

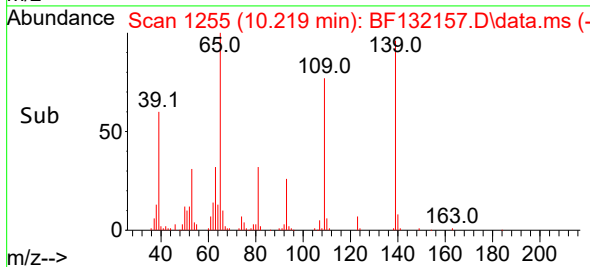
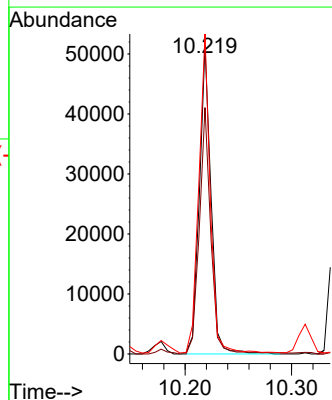
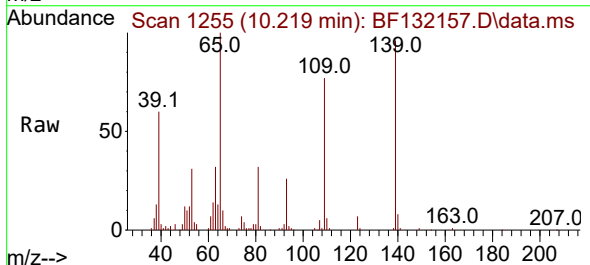
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

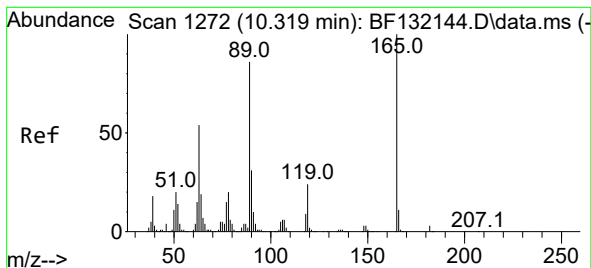
Tgt Ion:168 Resp: 331547
Ion Ratio Lower Upper
168 100
139 35.7 29.8 44.8
169 13.6 10.3 15.5



#56
4-Nitrophenol
Concen: 9.658 ng
RT: 10.219 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:139 Resp: 39245
Ion Ratio Lower Upper
139 100
109 79.9 61.0 101.0
65 103.8 79.3 119.3





#57

2,4-Dinitrotoluene

Concen: 9.463 ng

RT: 10.313 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:165 Resp: 59321

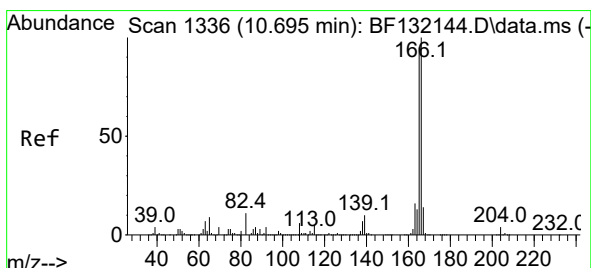
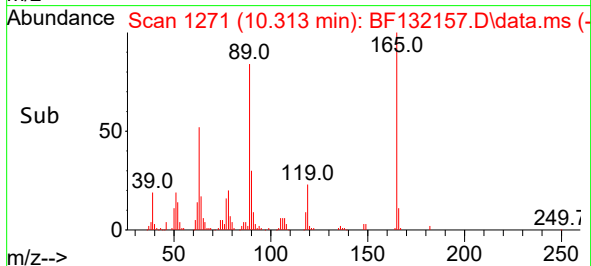
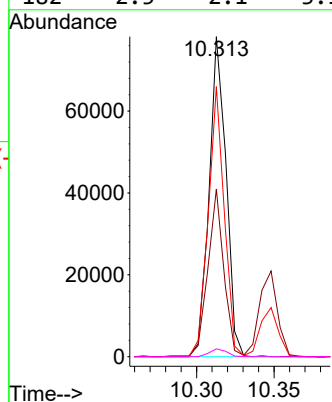
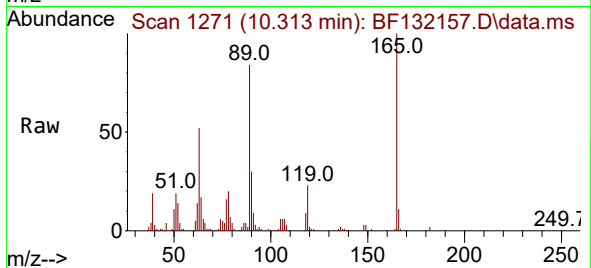
Ion Ratio Lower Upper

165 100

63 52.4 43.5 65.3

89 84.4 69.0 103.6

182 2.5 2.1 3.1



#58

Fluorene

Concen: 10.257 ng

RT: 10.695 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

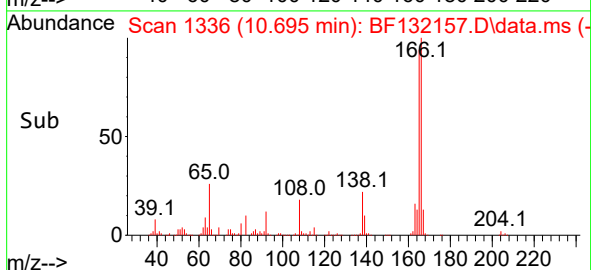
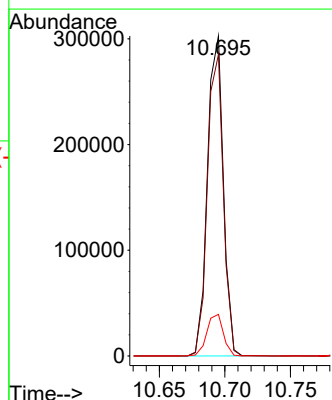
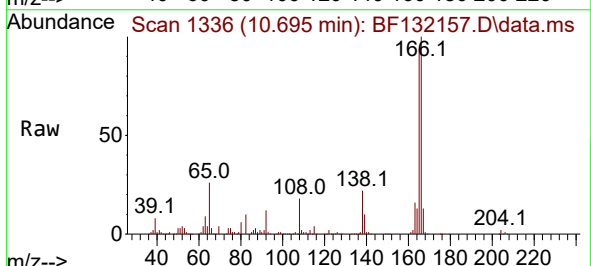
Tgt Ion:166 Resp: 256421

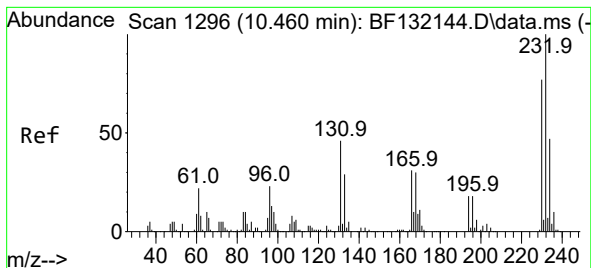
Ion Ratio Lower Upper

166 100

165 94.2 76.4 114.6

167 13.0 11.0 16.4

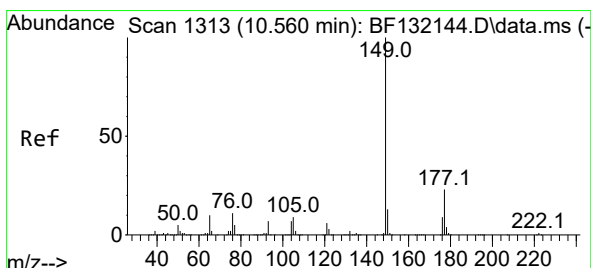
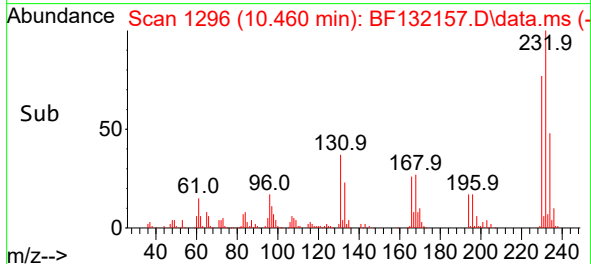
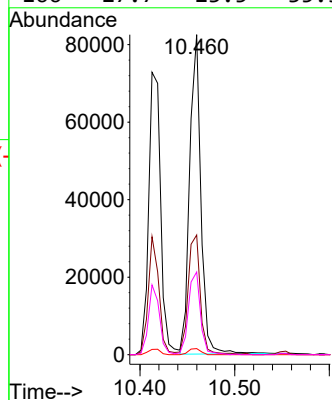
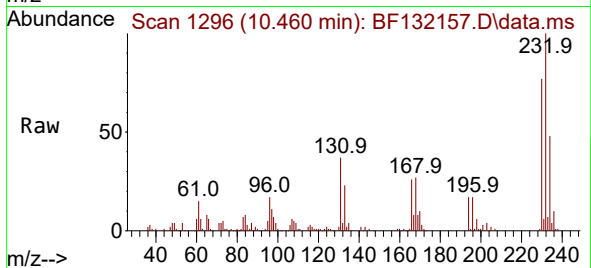




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.539 ng
RT: 10.460 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

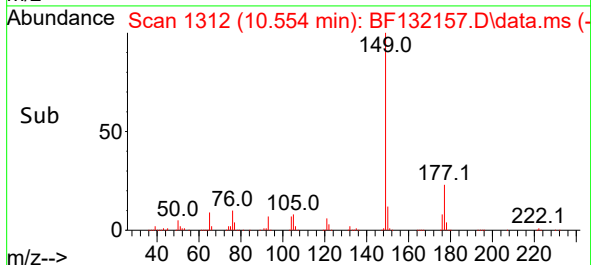
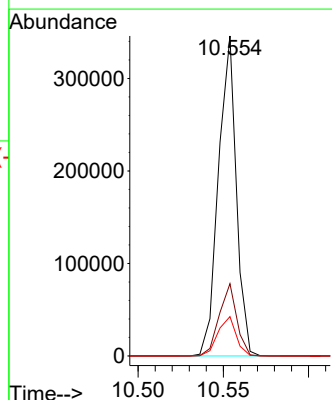
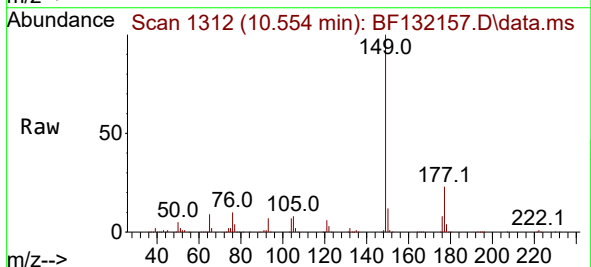
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

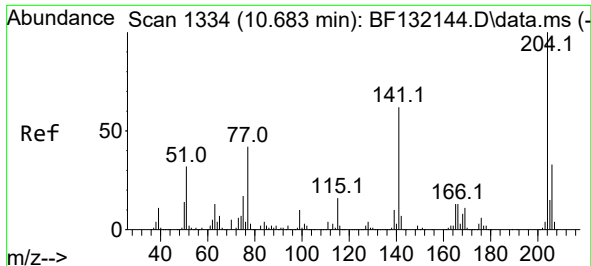
Tgt Ion:232 Resp: 68172
Ion Ratio Lower Upper
232 100
131 41.2 33.8 50.6
130 2.1 1.9 2.9
166 27.7 23.5 35.3



#60
Diethylphthalate
Concen: 9.549 ng
RT: 10.554 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:149 Resp: 252292
Ion Ratio Lower Upper
149 100
177 22.6 18.4 27.6
150 12.3 10.1 15.1

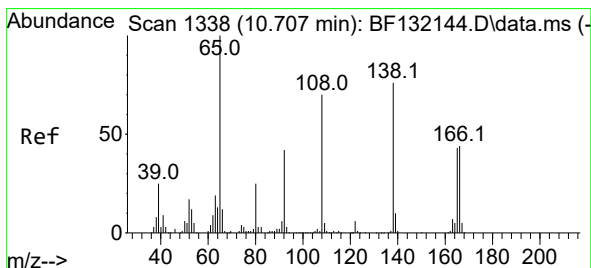
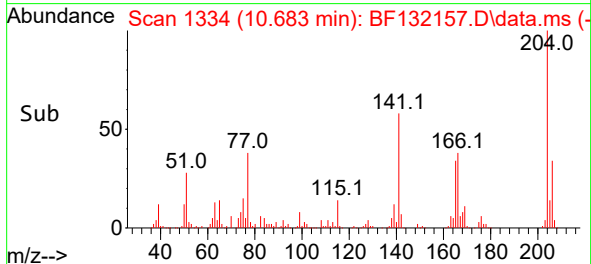
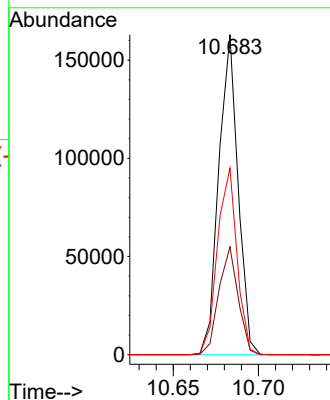
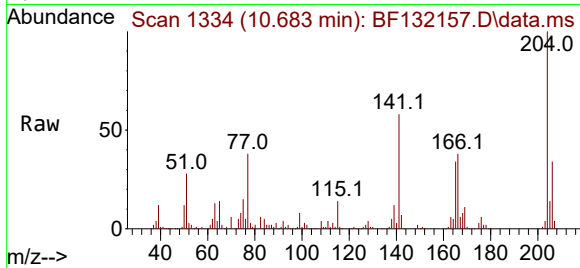




#61
4-Chlorophenyl-phenylether
Concen: 9.575 ng
RT: 10.683 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

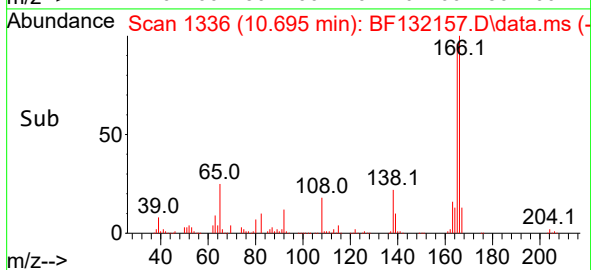
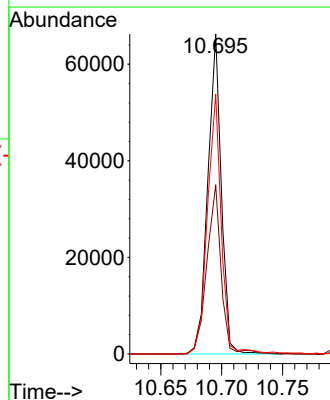
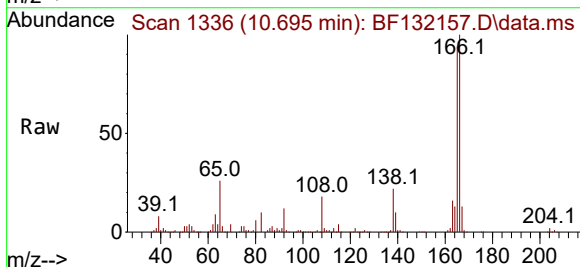
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

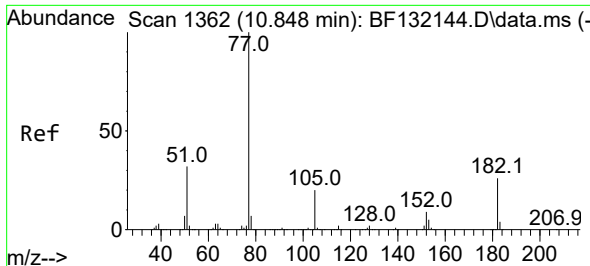
Tgt Ion:204 Resp: 128179
Ion Ratio Lower Upper
204 100
206 33.7 26.4 39.6
141 58.3 49.2 73.8



#62
4-Nitroaniline
Concen: 9.803 ng
RT: 10.695 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:138 Resp: 50955
Ion Ratio Lower Upper
138 100
92 52.9 35.9 75.9
108 81.3 72.0 112.0

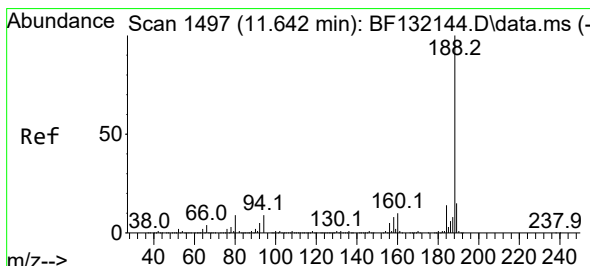
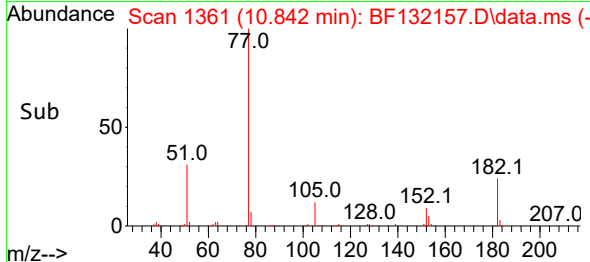
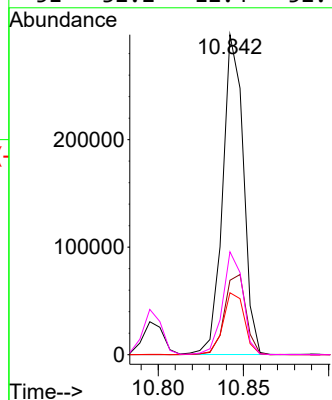
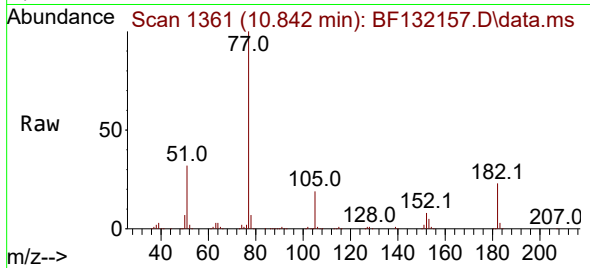




#63
Azobenzene
Concen: 9.476 ng
RT: 10.842 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

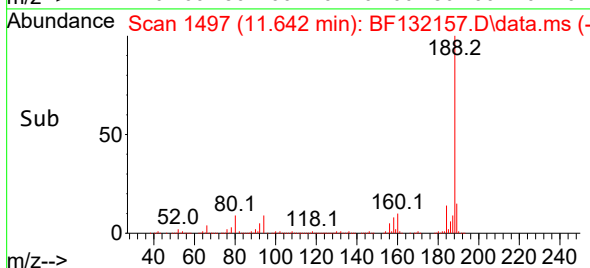
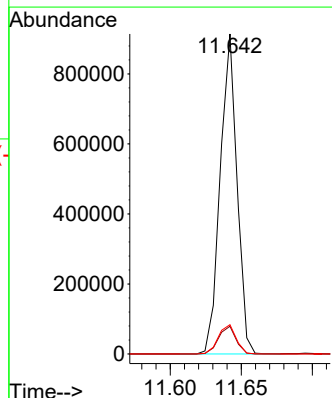
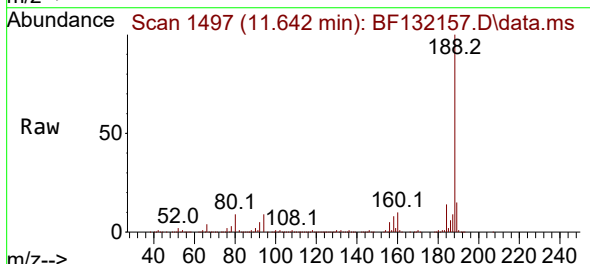
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

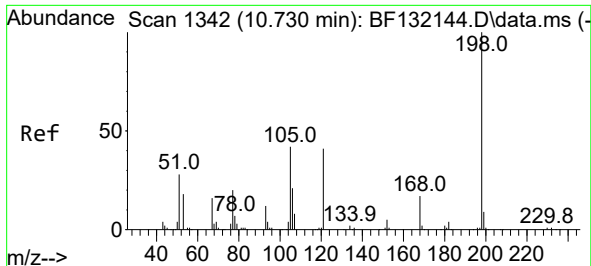
Tgt Ion: 77	Resp: 251267
Ion Ratio	Lower Upper
77 100	
182 23.3	6.4 46.4
105 19.3	0.0 39.8
51 32.2	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:188	Resp: 750946
Ion Ratio	Lower Upper
188 100	
94 8.7	6.9 10.3
80 9.2	7.5 11.3

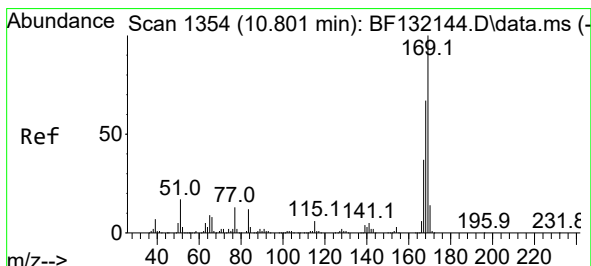
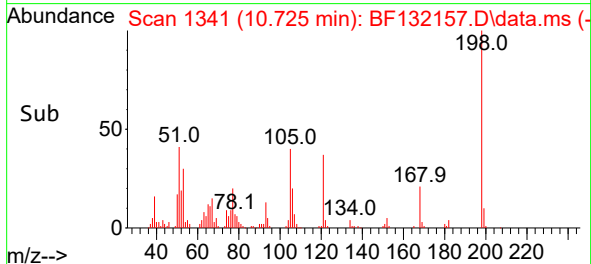
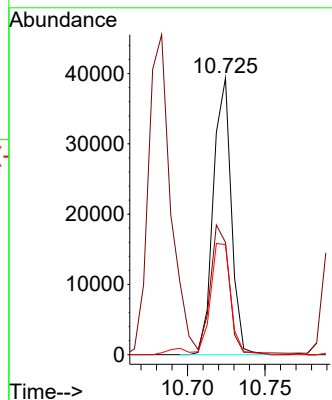
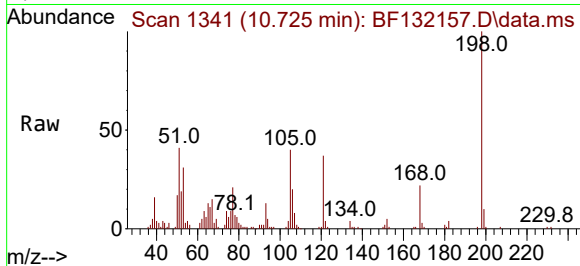




#65
4,6-Dinitro-2-methylphenol
Concen: 9.764 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

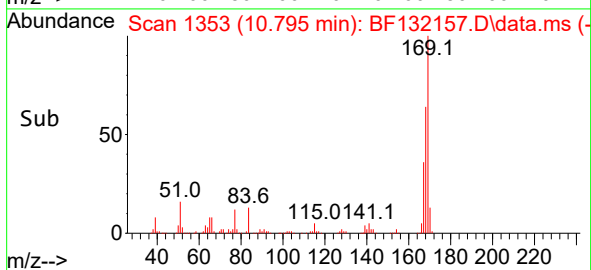
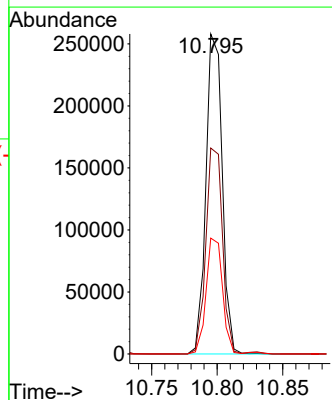
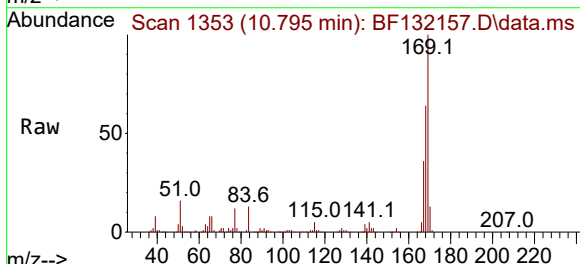
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

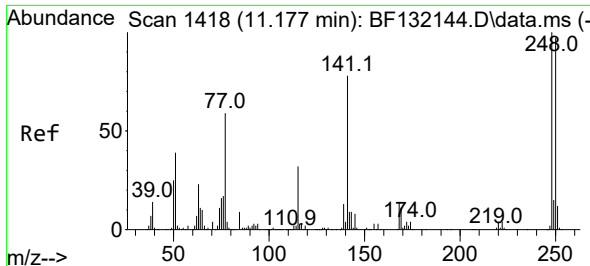
Tgt Ion:198 Resp: 31789
Ion Ratio Lower Upper
198 100
51 40.6 24.3 64.3
105 39.8 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 9.301 ng
RT: 10.795 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:169 Resp: 223691
Ion Ratio Lower Upper
169 100
168 64.4 53.4 80.0
167 36.2 29.7 44.5

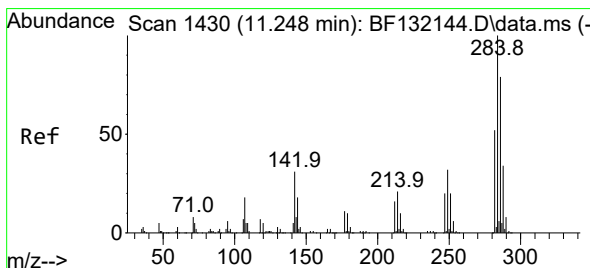
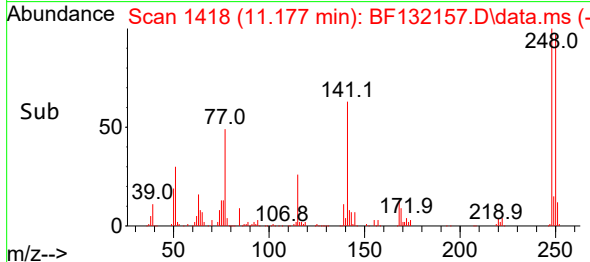
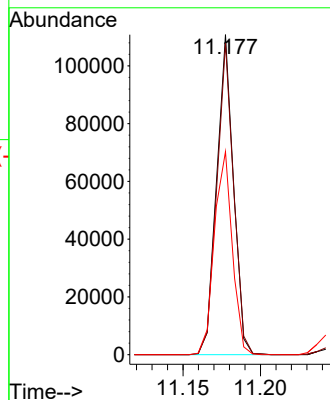
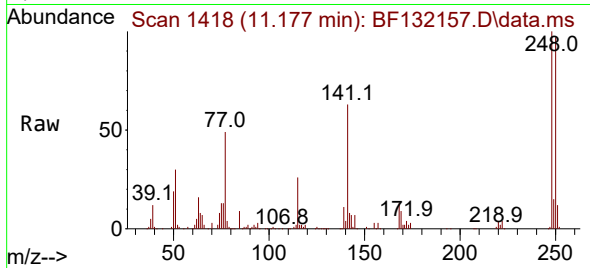




#67
4-Bromophenyl-phenylether
Concen: 9.147 ng
RT: 11.177 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

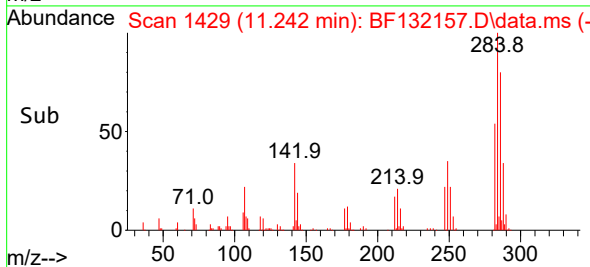
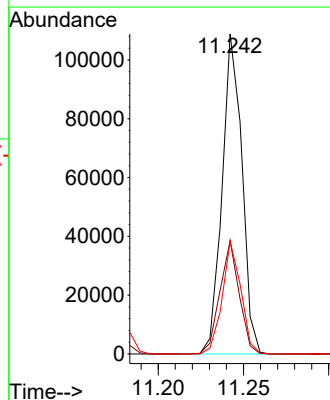
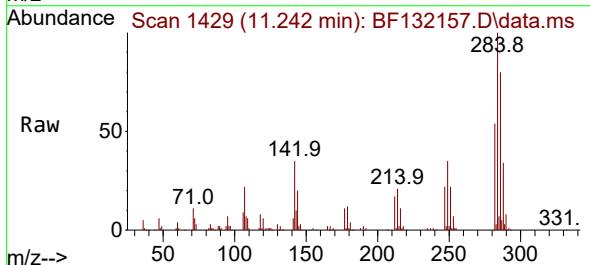
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

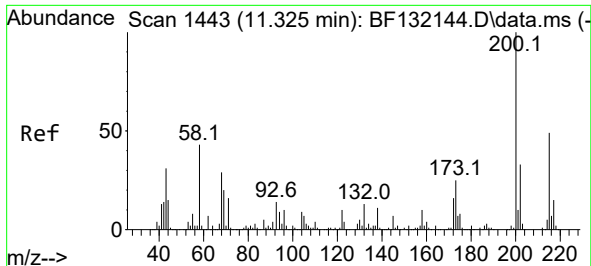
Tgt Ion:248 Resp: 83721
Ion Ratio Lower Upper
248 100
250 97.3 77.4 116.0
141 63.5 62.2 93.2



#68
Hexachlorobenzene
Concen: 9.676 ng
RT: 11.242 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:284 Resp: 88022
Ion Ratio Lower Upper
284 100
142 35.5 24.7 37.1
249 35.3 25.6 38.4

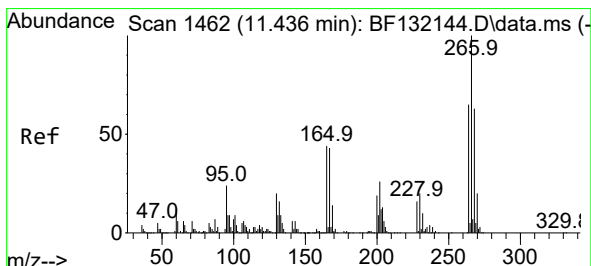
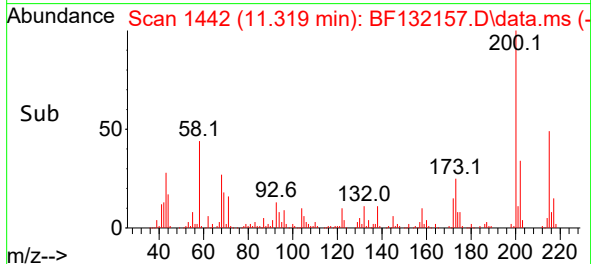
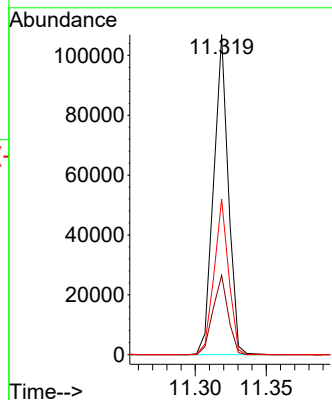
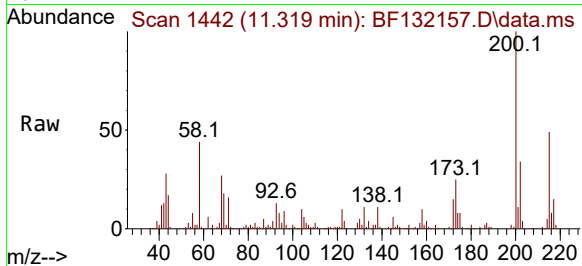




#69
 Atrazine
 Concen: 10.334 ng
 RT: 11.319 min Scan# 1442
 Delta R.T. -0.006 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

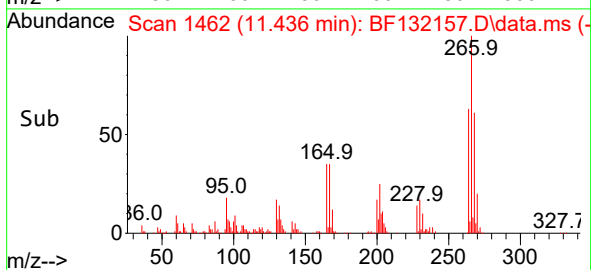
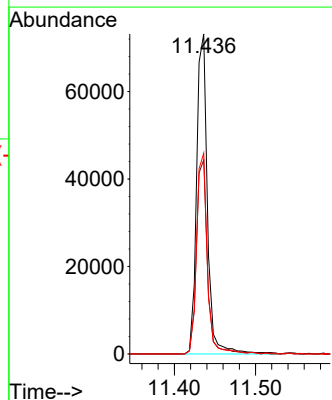
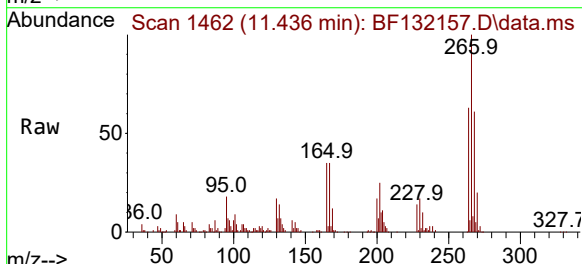
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

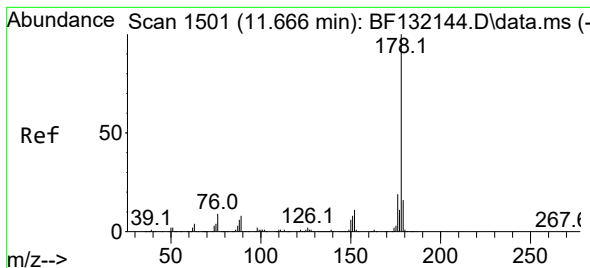
Tgt Ion:200 Resp: 76679
 Ion Ratio Lower Upper
 200 100
 173 24.8 5.0 45.0
 215 48.6 28.6 68.6



#70
 Pentachlorophenol
 Concen: 11.678 ng
 RT: 11.436 min Scan# 1462
 Delta R.T. -0.000 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

Tgt Ion:266 Resp: 68266
 Ion Ratio Lower Upper
 266 100
 268 60.7 50.8 76.2
 264 62.8 52.3 78.5





#71

Phenanthrene

Concen: 9.820 ng

RT: 11.666 min Scan# 1501

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

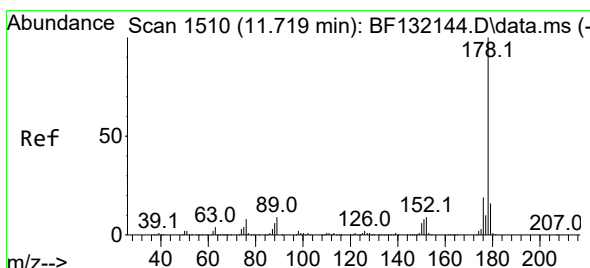
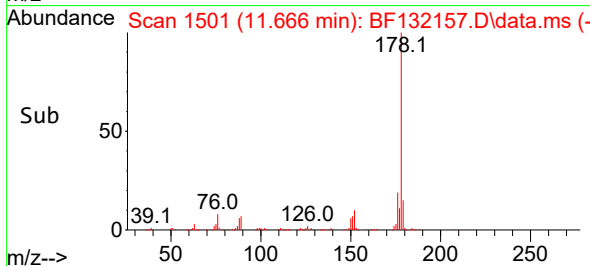
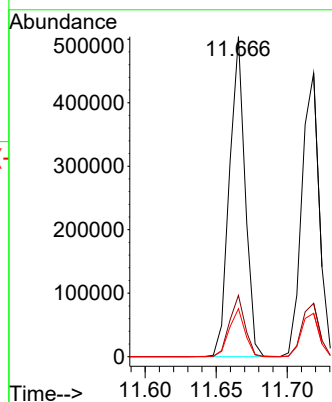
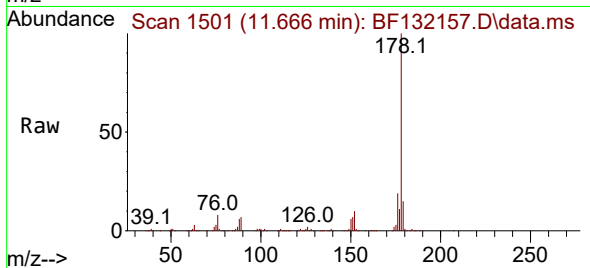
Tgt Ion:178 Resp: 386977

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.0 12.6 19.0



#72

Anthracene

Concen: 9.539 ng

RT: 11.719 min Scan# 1510

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

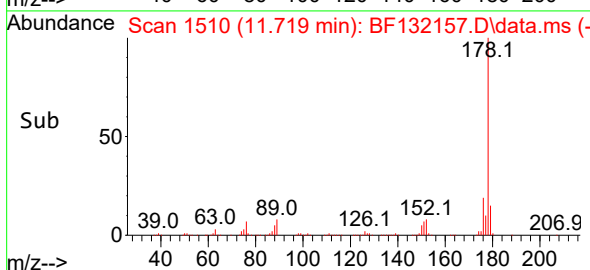
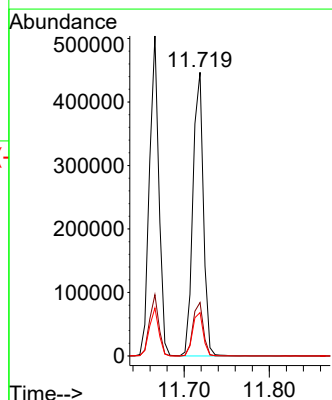
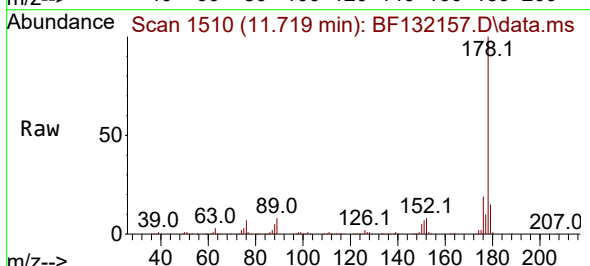
Tgt Ion:178 Resp: 380294

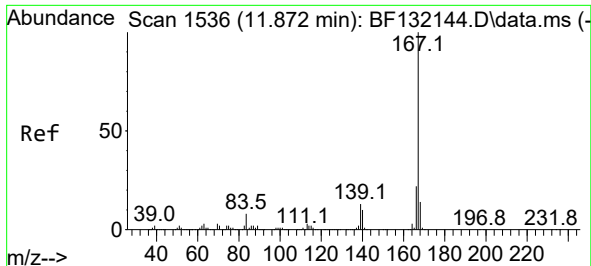
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.3 12.6 18.8

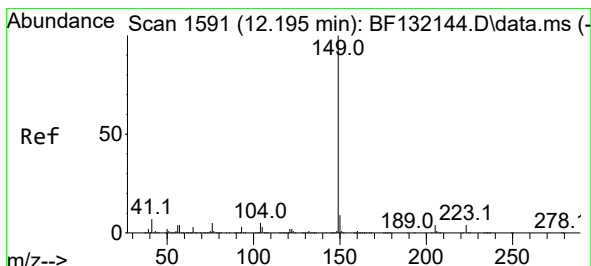
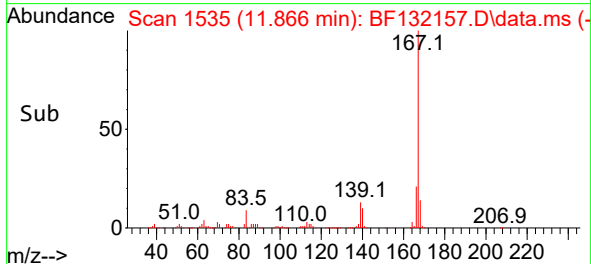
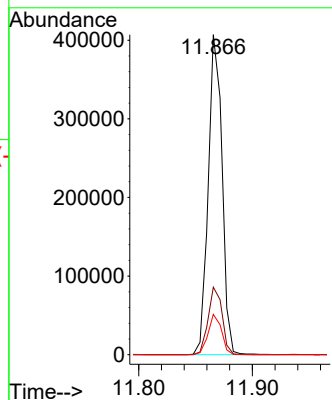
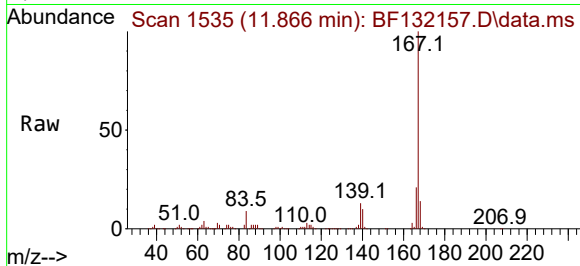




#73
 Carbazole
 Concen: 10.083 ng
 RT: 11.866 min Scan# 1535
 Delta R.T. -0.006 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

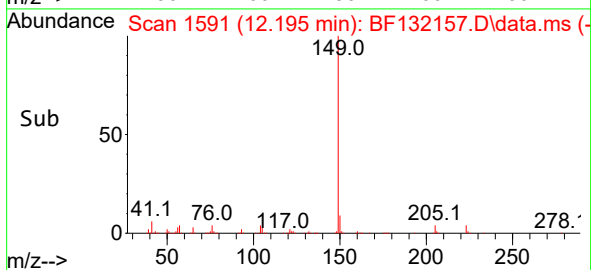
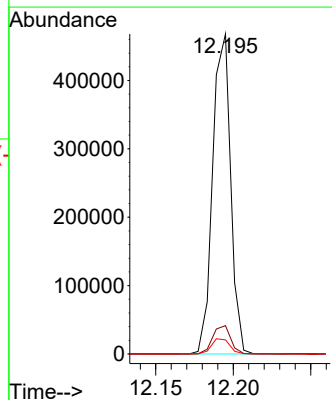
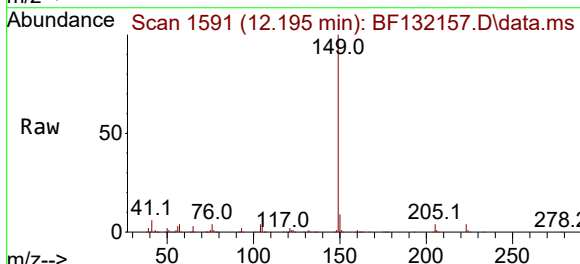
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

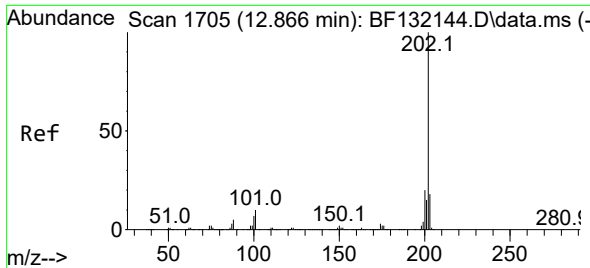
Tgt Ion:167 Resp: 343368
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.7 26.5
 139 12.6 10.5 15.7



#74
 Di-n-butylphthalate
 Concen: 9.945 ng
 RT: 12.195 min Scan# 1591
 Delta R.T. -0.000 min
 Lab File: BF132157.D
 Acq: 20 Jan 2023 12:09

Tgt Ion:149 Resp: 377016
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.5 11.3
 104 4.4 4.3 6.5

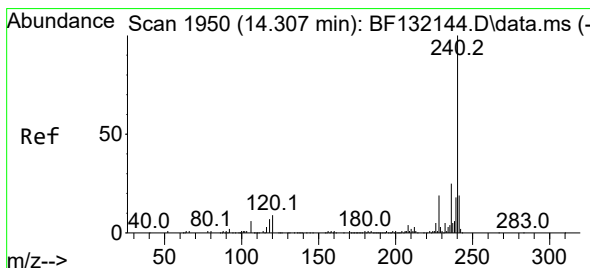
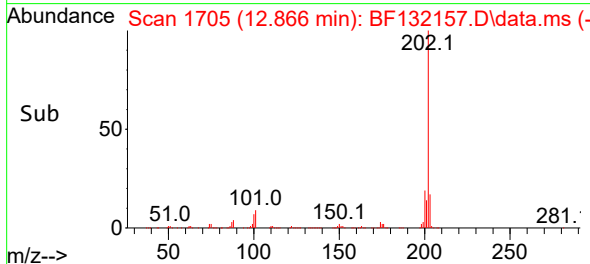
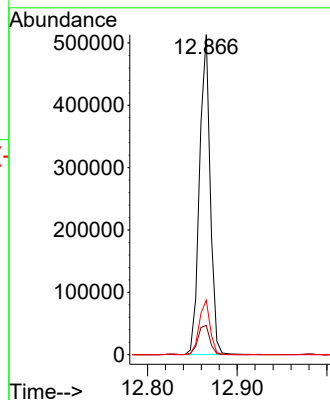
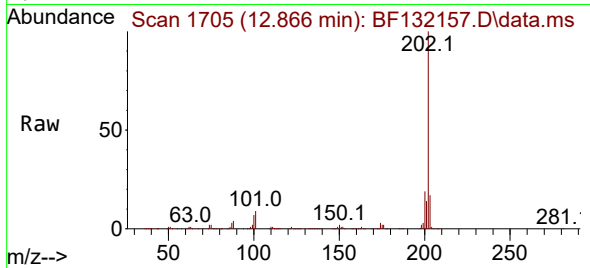




#75
Fluoranthene
Concen: 10.451 ng
RT: 12.866 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

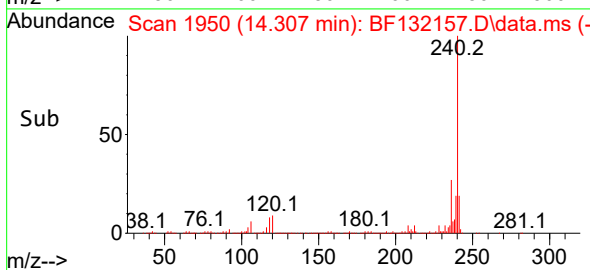
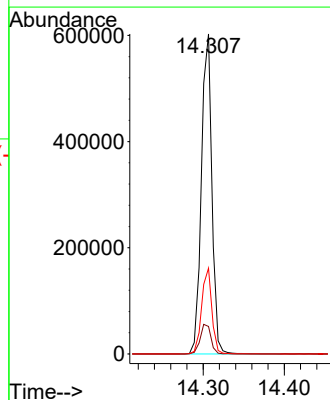
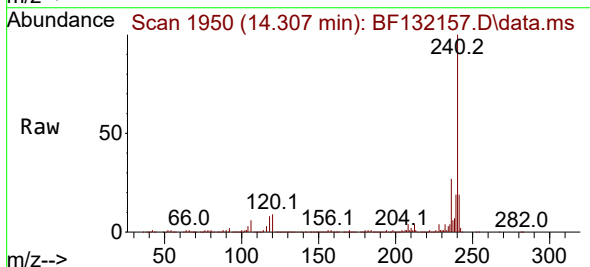
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

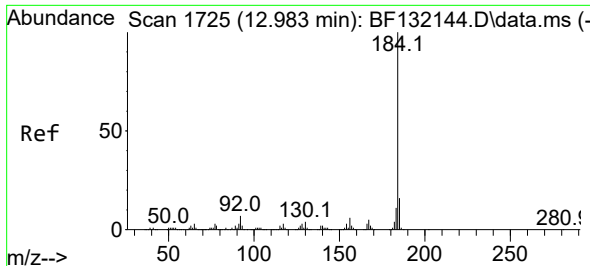
Tgt Ion:202 Resp: 423057
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.6
203 17.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:240 Resp: 543004
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 26.8 20.3 30.5

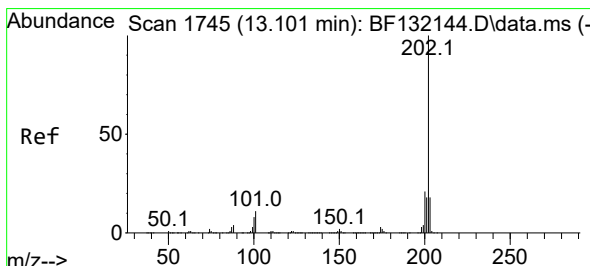
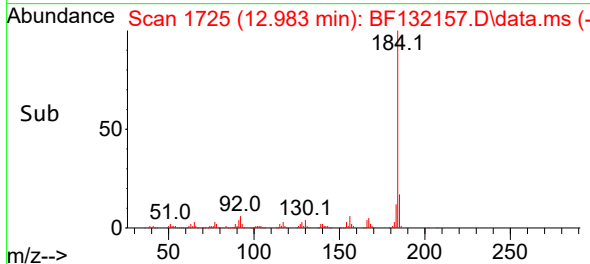
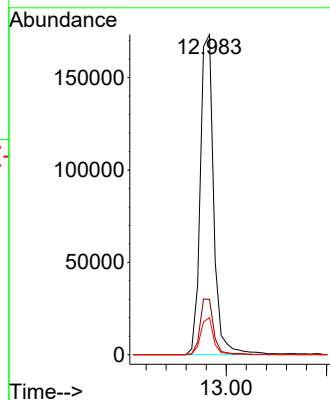
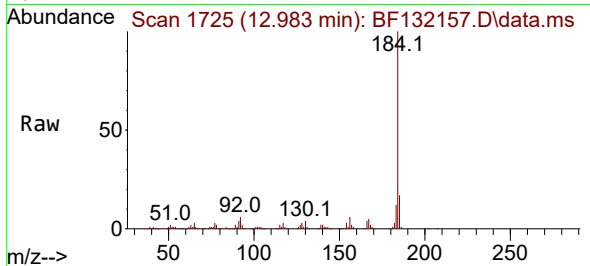




#77
Benzidine
Concen: 9.946 ng
RT: 12.983 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

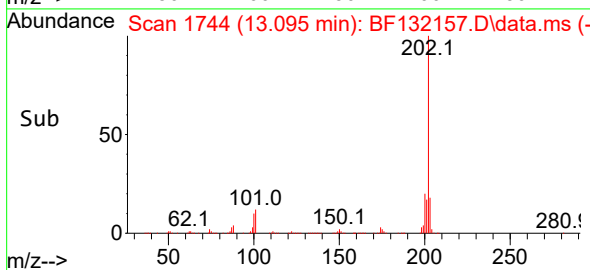
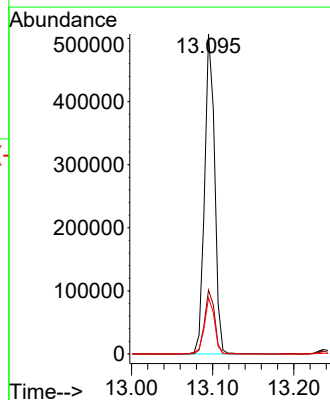
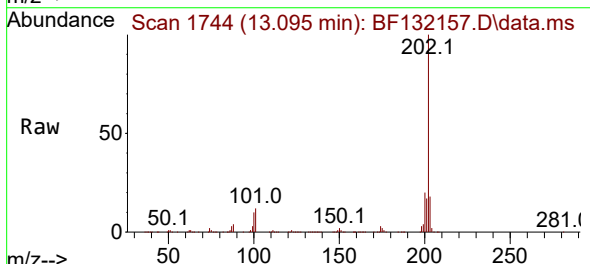
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

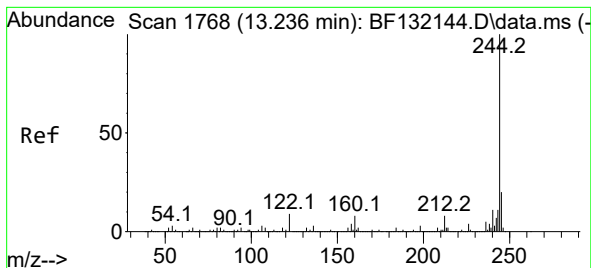
Tgt Ion:184 Resp: 162155
Ion Ratio Lower Upper
184 100
185 17.3 12.5 18.7
183 11.6 9.0 13.4



#78
Pyrene
Concen: 8.696 ng
RT: 13.095 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:202 Resp: 435178
Ion Ratio Lower Upper
202 100
200 20.0 16.7 25.1
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 56.689 ng

RT: 13.236 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

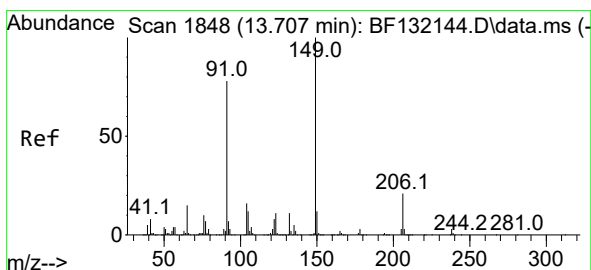
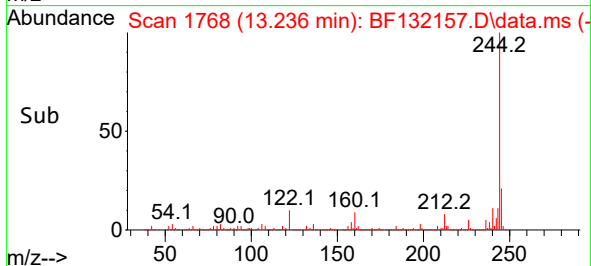
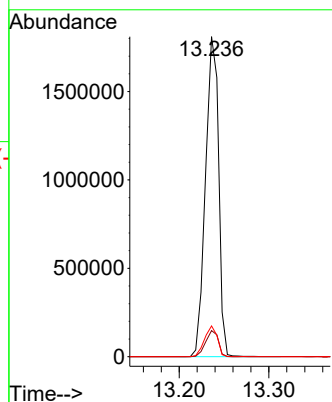
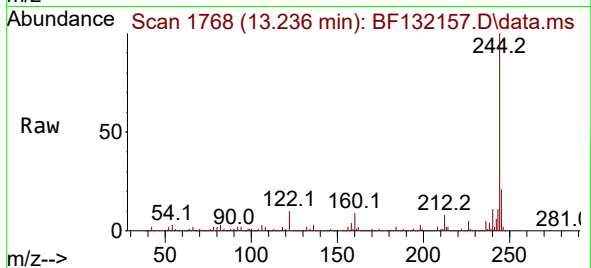
Tgt Ion:244 Resp: 1837620

Ion Ratio Lower Upper

244 100

212 8.2 6.7 10.1

122 9.6 7.4 11.2



#80

Butylbenzylphthalate

Concen: 8.772 ng

RT: 13.707 min Scan# 1848

Delta R.T. -0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

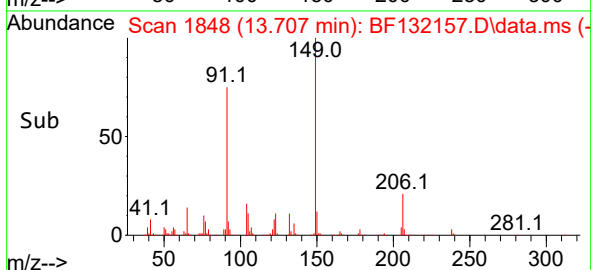
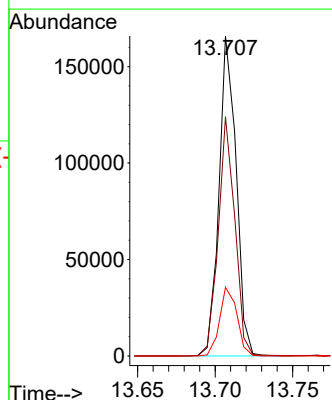
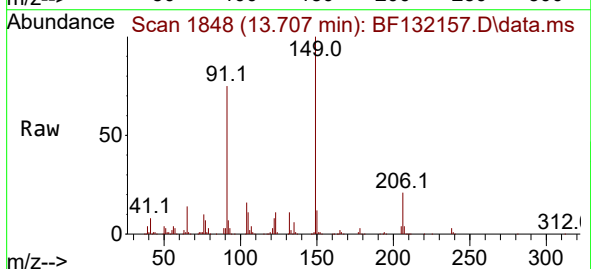
Tgt Ion:149 Resp: 127217

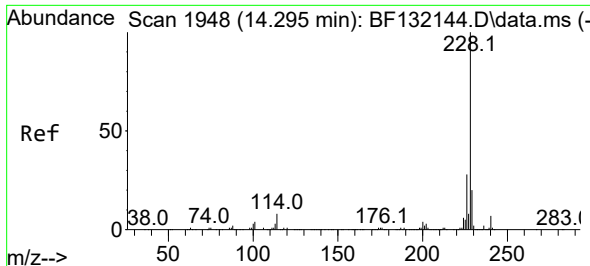
Ion Ratio Lower Upper

149 100

91 74.8 62.6 94.0

206 21.4 16.4 24.6

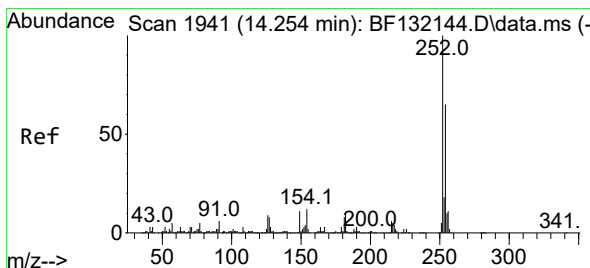
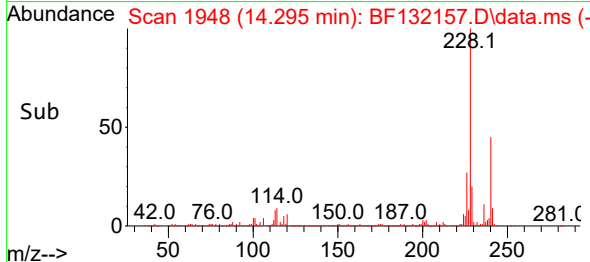
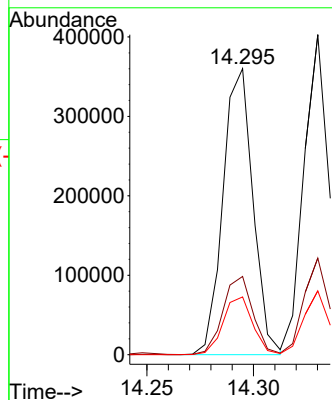
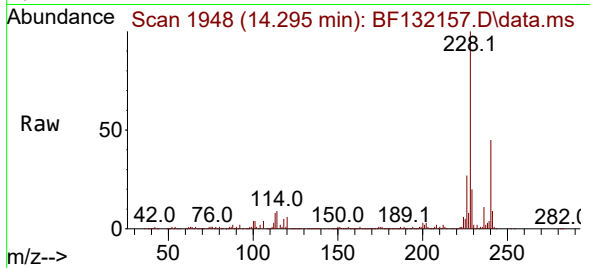




#81
Benzo(a)anthracene
Concen: 9.090 ng
RT: 14.295 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

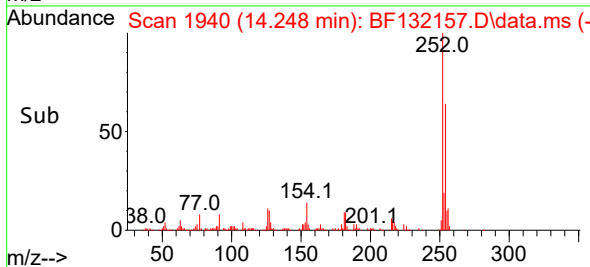
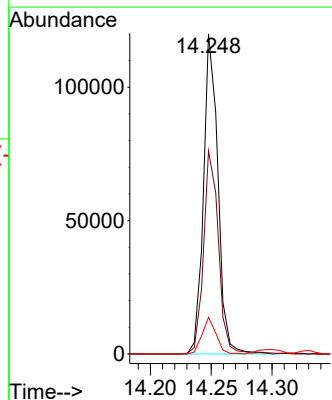
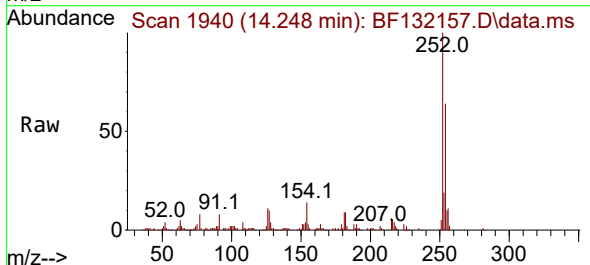
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

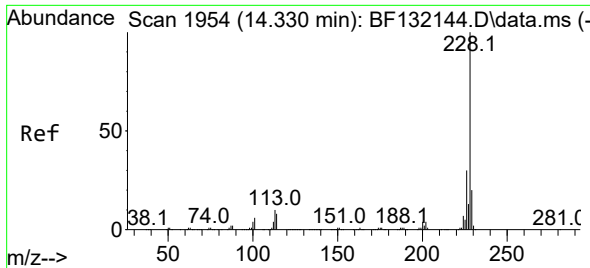
Tgt Ion:228 Resp: 352635
Ion Ratio Lower Upper
228 100
226 27.4 22.5 33.7
229 20.2 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 9.201 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:252 Resp: 99397
Ion Ratio Lower Upper
252 100
254 63.5 52.4 78.6
126 11.5 7.0 10.6#

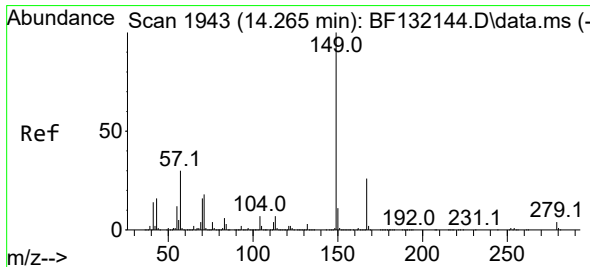
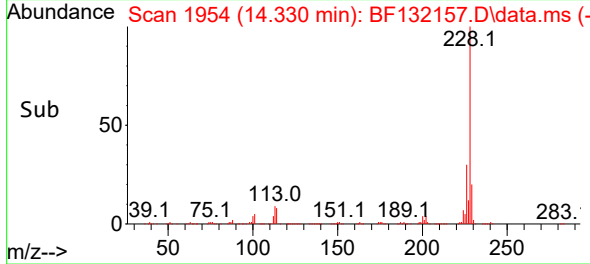
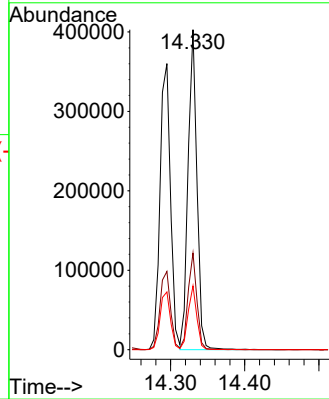
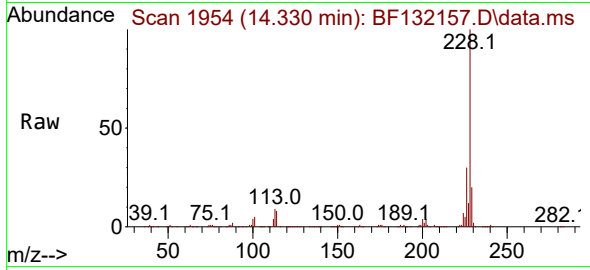




#83
Chrysene
Concen: 9.127 ng
RT: 14.330 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

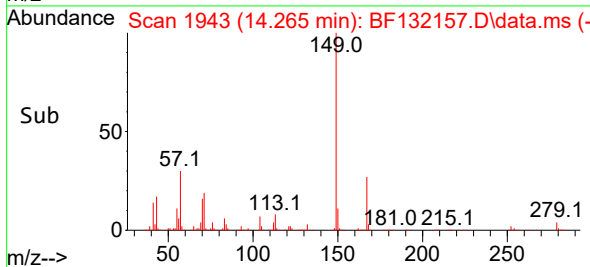
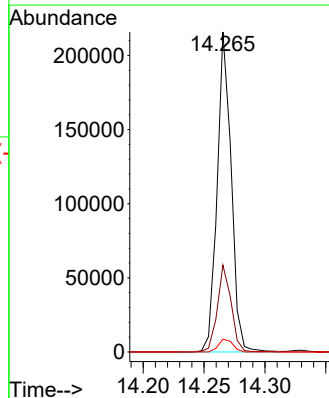
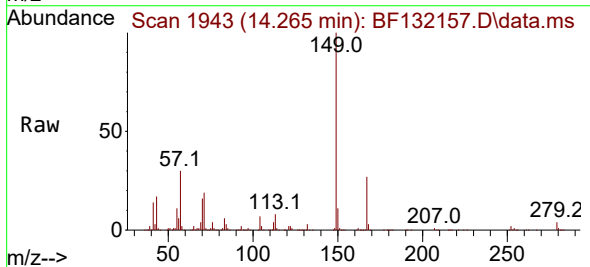
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

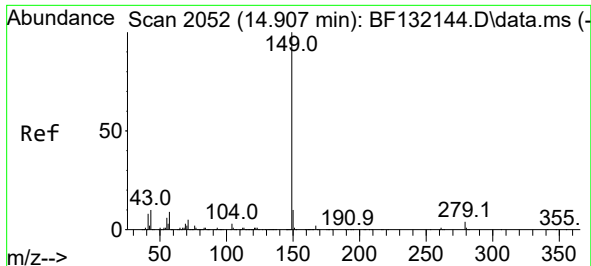
Tgt Ion:228 Resp: 337022
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 20.0 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.053 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:149 Resp: 173357
Ion Ratio Lower Upper
149 100
167 27.1 21.0 31.6
279 4.0 3.2 4.8

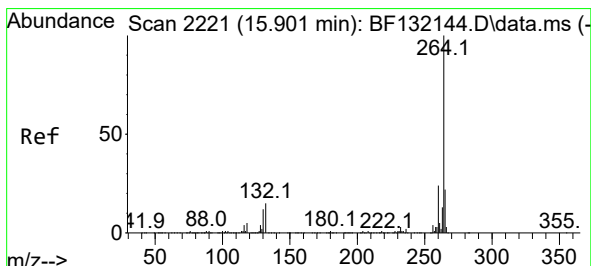
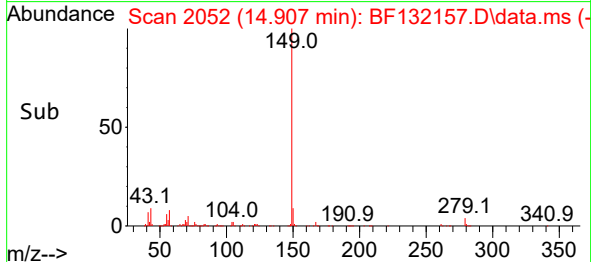
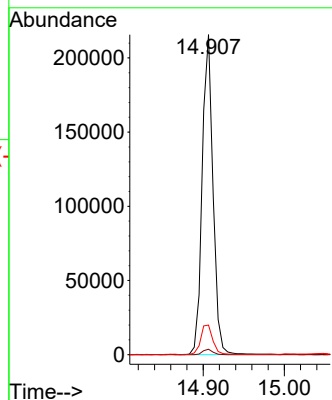
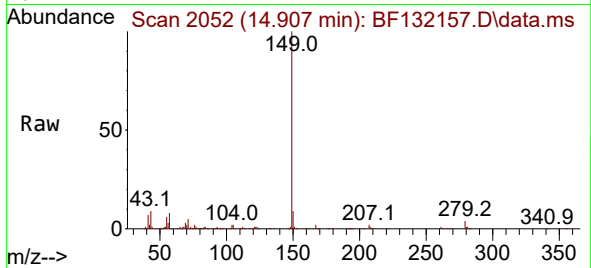




#85
Di-n-octyl phthalate
Concen: 11.999 ng
RT: 14.907 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

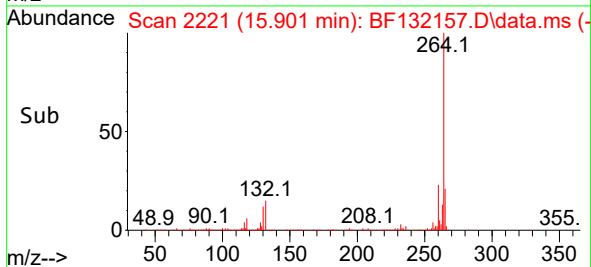
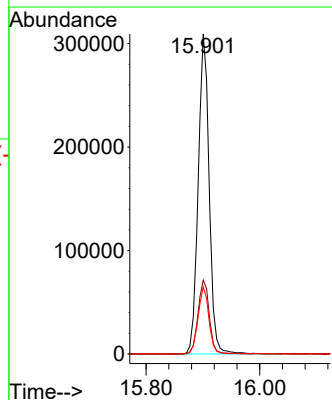
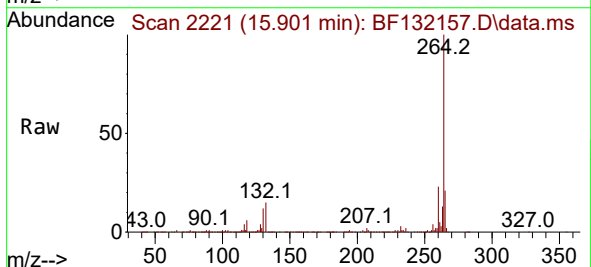
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2022

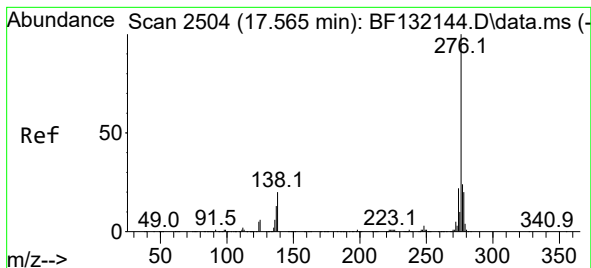
Tgt Ion:149 Resp: 200090
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.6 8.4 12.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:264 Resp: 416496
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 20.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.174 ng

RT: 17.559 min Scan# 2168

Delta R.T. -0.006 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

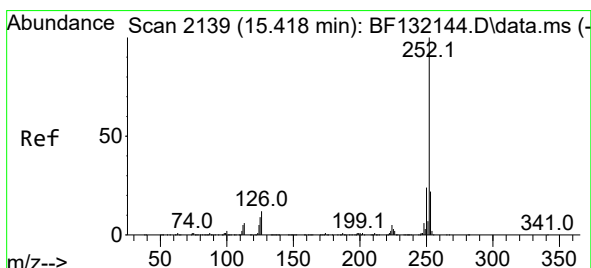
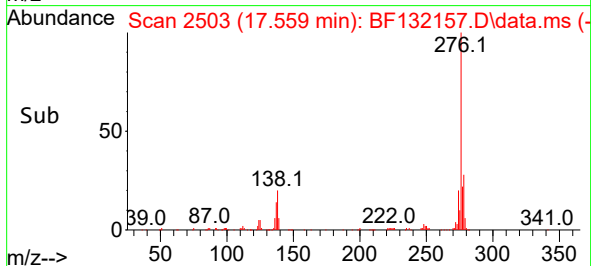
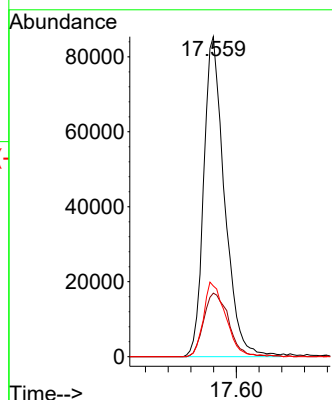
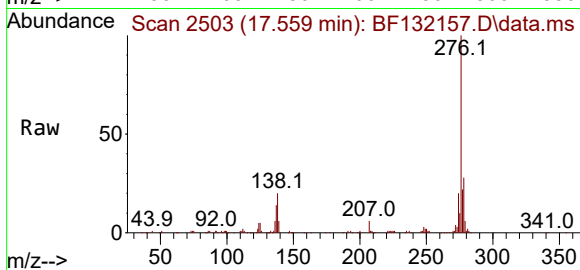
Tgt Ion:276 Resp: 216826

Ion Ratio Lower Upper

276 100

138 23.8 17.9 26.9

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.934 ng

RT: 15.418 min Scan# 2139

Delta R.T. 0.000 min

Lab File: BF132157.D

Acq: 20 Jan 2023 12:09

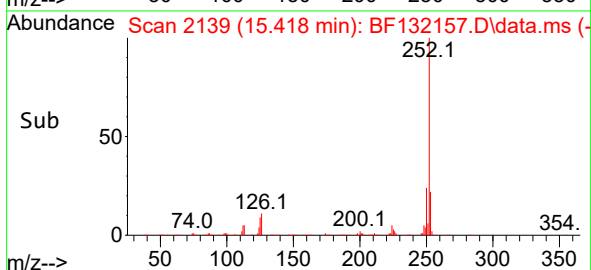
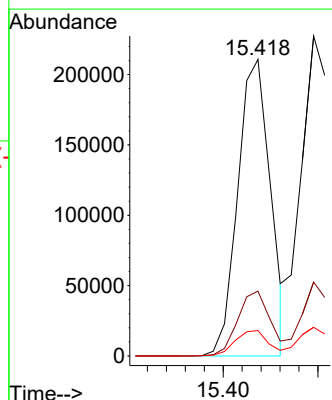
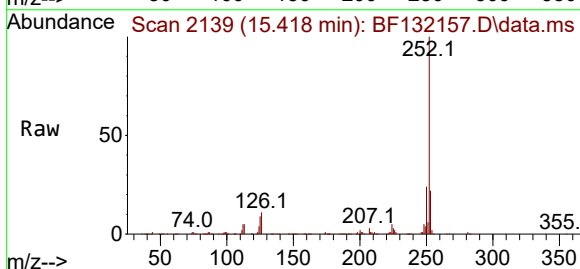
Tgt Ion:252 Resp: 251920

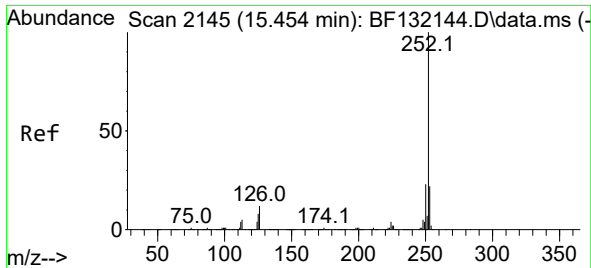
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 8.6 7.2 10.8

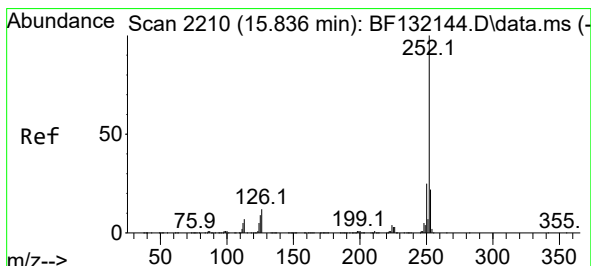
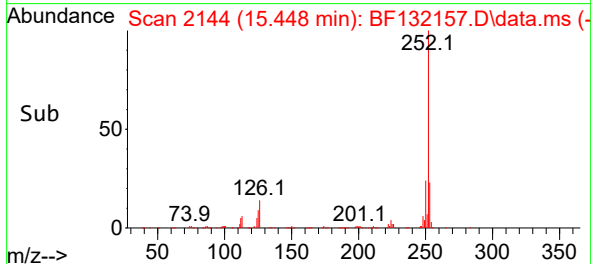
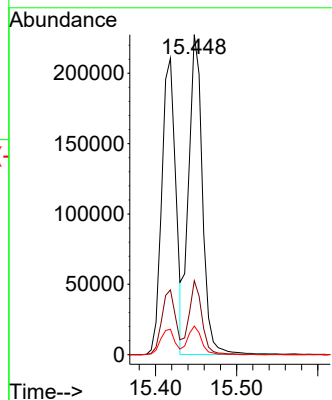
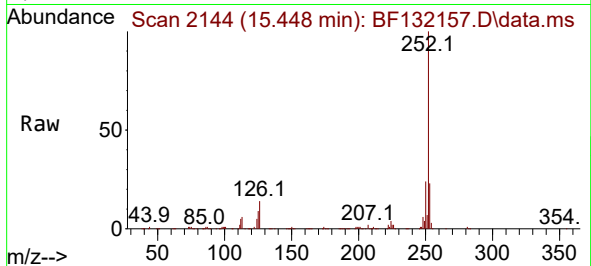




#89
Benzo(k)fluoranthene
Concen: 10.401 ng
RT: 15.448 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

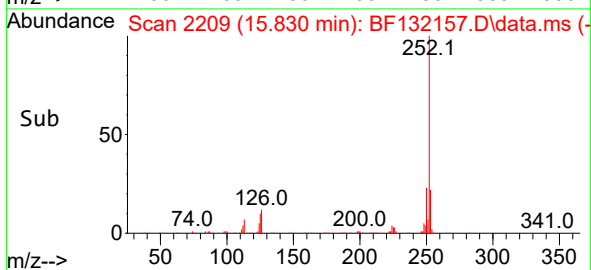
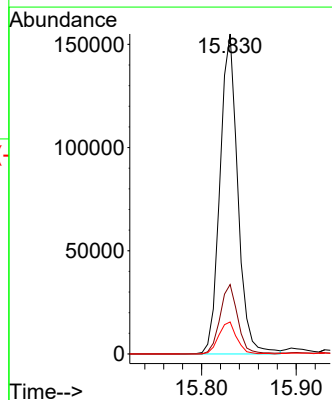
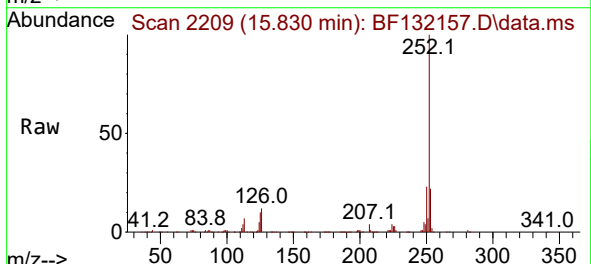
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

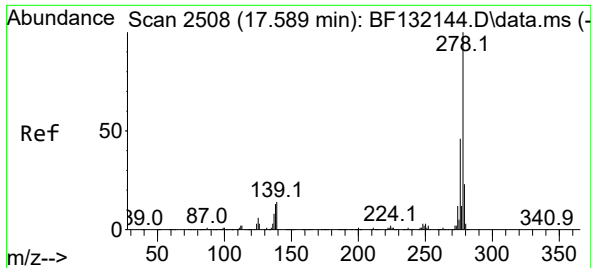
Tgt Ion:252 Resp: 269002
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 8.9 6.4 9.6



#90
Benzo(a)pyrene
Concen: 8.328 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:252 Resp: 203150
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.0 7.3 10.9

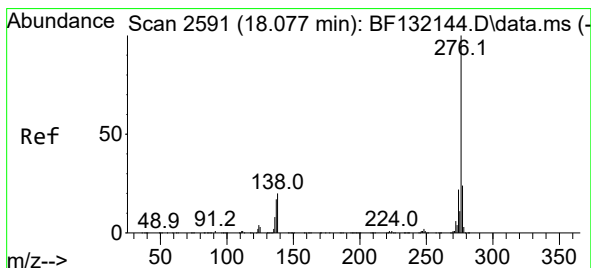
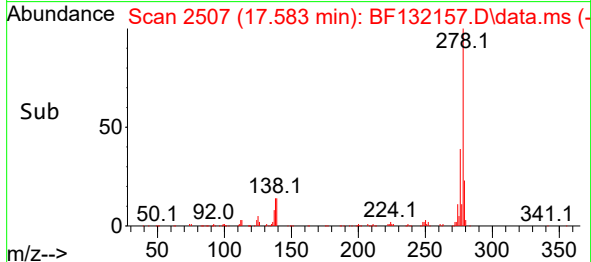
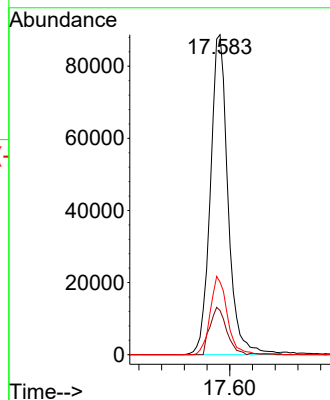
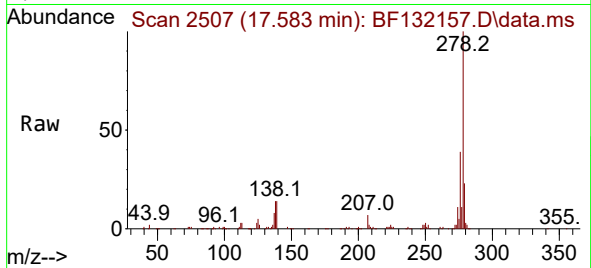




#91
Dibenzo(a,h)anthracene
Concen: 7.746 ng
RT: 17.583 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

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

Tgt Ion:278 Resp: 190937
Ion Ratio Lower Upper
278 100
139 13.8 11.4 17.2
279 22.7 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 7.456 ng
RT: 18.059 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF132157.D
Acq: 20 Jan 2023 12:09

Tgt Ion:276 Resp: 193396
Ion Ratio Lower Upper
276 100
277 23.7 18.9 28.3
138 19.6 15.7 23.5

