

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131294.D
 Acq On : 18 Nov 2022 11:40
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 21 01:10:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	76895	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	272071	20.000	ng	0.00
39) Acenaphthene-d10	10.028	164	154523	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	290237	20.000	ng	0.00
76) Chrysene-d12	14.174	240	200929	20.000	ng	# 0.00
86) Perylene-d12	15.715	264	139706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	476669	113.462	ng	0.00
7) Phenol-d6	6.581	99	597537	112.195	ng	0.00
23) Nitrobenzene-d5	7.534	82	447126	87.787	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	156926	114.081	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	900094	83.196	ng	0.00
79) Terphenyl-d14	13.122	244	996467	74.130	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.775	88	11188	5.760	ng	99
3) Pyridine	3.575	79	26099	4.822	ng	98
4) n-Nitrosodimethylamine	3.493	42	17344	5.165	ng	99
6) Aniline	6.628	93	40333	6.051	ng	97
8) 2-Chlorophenol	6.751	128	26245	5.644	ng	96
9) Benzaldehyde	6.516	77	24413	6.314	ng	98
10) Phenol	6.593	94	31713	5.380	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	26723	5.632	ng	97
12) 1,3-Dichlorobenzene	6.910	146	29731	5.374	ng	97
13) 1,4-Dichlorobenzene	6.987	146	31120	5.532	ng	95
14) 1,2-Dichlorobenzene	7.140	146	29520	5.638	ng	99
15) Benzyl Alcohol	7.128	79	8741	1.927	ng	# 50
16) 2,2'-oxybis(1-Chloropr...	7.240	45	50991	5.676	ng	95
17) 2-Methylphenol	7.204	107	21848	5.374	ng	96
18) Hexachloroethane	7.487	117	11078	5.539	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	21105	5.510	ng	98
20) 3+4-Methylphenols	7.363	107	26667	5.136	ng	87
22) Acetophenone	7.375	105	43252	6.016	ng	96
24) Nitrobenzene	7.551	77	31900	6.188	ng	95
25) Isophorone	7.787	82	55924	5.751	ng	99
26) 2-Nitrophenol	7.869	139	7100	4.348	ng	94
27) 2,4-Dimethylphenol	7.898	122	29143	7.623	ng	100
28) bis(2-Chloroethoxy)met...	7.998	93	33317	6.134	ng	96
29) 2,4-Dichlorophenol	8.104	162	21463	5.242	ng	98
30) 1,2,4-Trichlorobenzene	8.198	180	28149	5.538	ng	98
31) Naphthalene	8.281	128	82738	5.608	ng	99
32) Benzoic acid	7.898	122	29143	12.742	ng	# 8
33) 4-Chloroaniline	8.328	127	34170	5.963	ng	92
34) Hexachlorobutadiene	8.398	225	18291	5.445	ng	97
35) Caprolactam	8.651	113	5754	5.048	ng	# 85
36) 4-Chloro-3-methylphenol	8.798	107	23726	5.377	ng	98
37) 2-Methylnaphthalene	8.975	142	57519	5.785	ng	95
38) 1-Methylnaphthalene	9.075	142	53986	5.603	ng	97
40) 1,2,4,5-Tetrachloroben...	9.139	216	30304	5.994	ng	98
41) Hexachlorocyclopentadiene	9.128	237	12035	5.502	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	12319	4.098	ng	98

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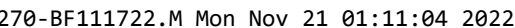
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

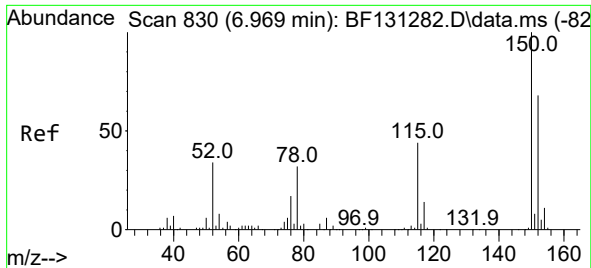
Quant Time: Nov 21 01:10:59 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.287	196	17308	5.284	ng	94
46) 1,1'-Biphenyl	9.439	154	74728	6.263	ng	99
47) 2-Chloronaphthalene	9.469	162	56692	5.918	ng	96
48) 2-Nitroaniline	9.557	65	12651	4.777	ng	97
49) Acenaphthylene	9.886	152	85334	5.831	ng	98
50) Dimethylphthalate	9.734	163	62550	5.590	ng	99
51) 2,6-Dinitrotoluene	9.798	165	9100	4.951	ng	92
52) Acenaphthene	10.057	154	51235	5.611	ng	98
53) 3-Nitroaniline	9.969	138	9871	5.075	ng	99
54) 2,4-Dinitrophenol	10.069	184	1424	2.199	ng #	14
55) Dibenzofuran	10.228	168	78985	5.965	ng	96
56) 4-Nitrophenol	10.110	139	5183	3.541	ng #	88
57) 2,4-Dinitrotoluene	10.198	165	10325	4.646	ng	97
58) Fluorene	10.575	166	61784	5.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	12306	4.436	ng #	97
60) Diethylphthalate	10.439	149	59447	5.569	ng	99
61) 4-Chlorophenyl-phenylether	10.569	204	32098	6.021	ng	92
62) 4-Nitroaniline	10.575	138	9328	4.720	ng	86
63) Azobenzene	10.728	77	61223	5.522	ng	99
65) 4,6-Dinitro-2-methylph...	10.604	198	2711	2.694	ng	91
66) n-Nitrosodiphenylamine	10.681	169	50945	5.447	ng	98
67) 4-Bromophenyl-phenylether	11.063	248	19333	5.551	ng	90
68) Hexachlorobenzene	11.122	284	21079	5.579	ng	98
69) Atrazine	11.204	200	17817	5.971	ng	93
70) Pentachlorophenol	11.316	266	4179	2.070	ng	95
71) Phenanthrene	11.545	178	88845	5.536	ng	98
72) Anthracene	11.592	178	90651	5.776	ng	98
73) Carbazole	11.751	167	75170	5.698	ng	99
74) Di-n-butylphthalate	12.080	149	84571	5.309	ng	100
75) Fluoranthene	12.739	202	94695	5.686	ng	98
77) Benzidine	12.863	184	34170	7.519	ng	95
78) Pyrene	12.969	202	94150	4.870	ng	99
80) Butylbenzylphthalate	13.592	149	24888	4.256	ng #	90
81) Benzo(a)anthracene	14.163	228	75813	5.352	ng	96
82) 3,3'-Dichlorobenzidine	14.127	252	19027	5.059	ng #	97
83) Chrysene	14.204	228	70495	5.203	ng	99
84) Bis(2-ethylhexyl)phtha...	14.157	149	32803	4.819	ng	95
85) Di-n-octyl phthalate	14.780	149	35258	3.649	ng #	97
87) Indeno(1,2,3-cd)pyrene	17.292	276	42424	4.004	ng	97
88) Benzo(b)fluoranthene	15.257	252	50719	5.394	ng	97
89) Benzo(k)fluoranthene	15.286	252	52388	5.451	ng	98
90) Benzo(a)pyrene	15.651	252	41437	5.368	ng	99
91) Dibenzo(a,h)anthracene	17.315	278	37597	4.312	ng	94
92) Benzo(g,h,i)perylene	17.774	276	38323	4.347	ng	98

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

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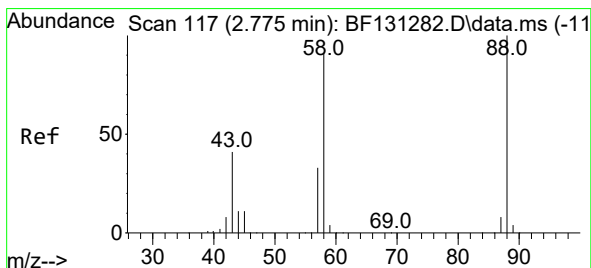
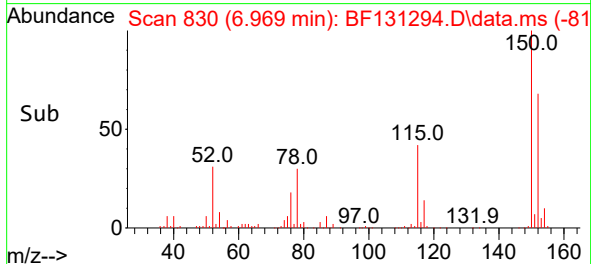
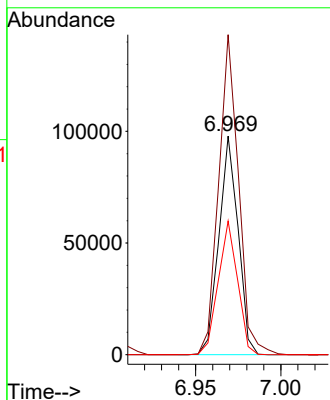
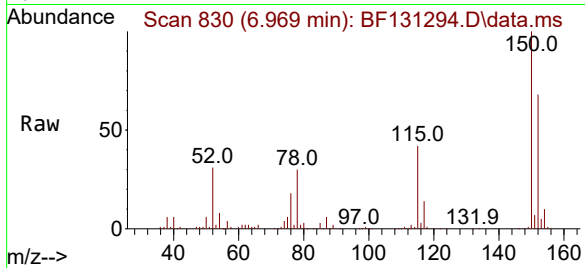




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

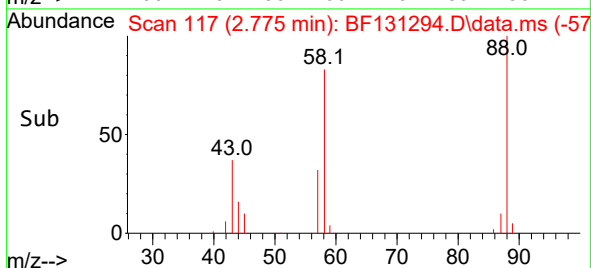
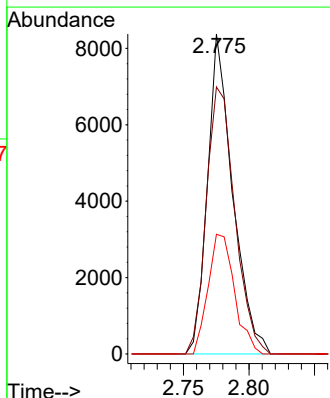
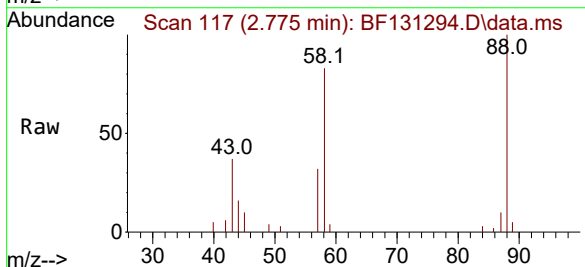
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

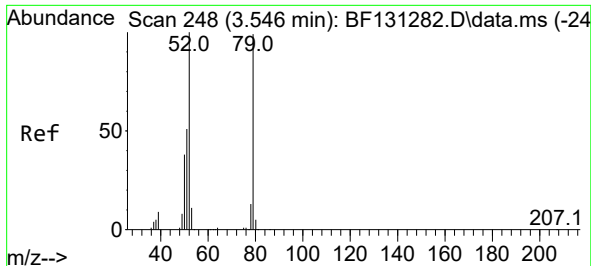
Tgt Ion:152 Resp: 76895
 Ion Ratio Lower Upper
 152 100
 150 146.4 117.8 176.6
 115 61.1 52.2 78.4



#2
 1,4-Dioxane
 Concen: 5.760 ng
 RT: 2.775 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

Tgt Ion: 88 Resp: 11188
 Ion Ratio Lower Upper
 88 100
 58 94.2 76.0 114.0
 43 39.2 32.4 48.6





#3

Pyridine

Concen: 4.822 ng

RT: 3.575 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF131294.D

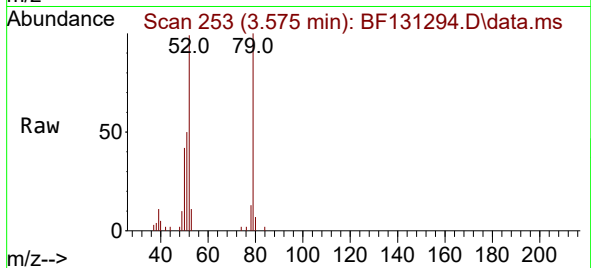
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Instrument :

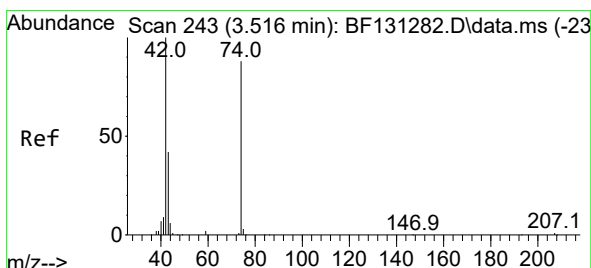
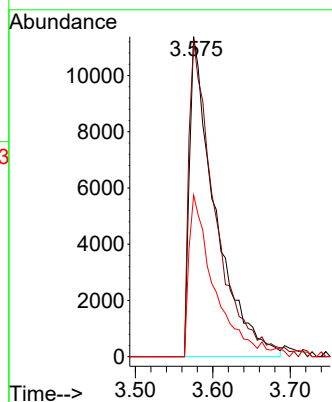
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:	79	Resp:	26099
Ion	Ratio	Lower	Upper
79	100		
52	98.9	80.7	121.1
51	50.5	41.6	62.4



#4

n-Nitrosodimethylamine

Concen: 5.165 ng

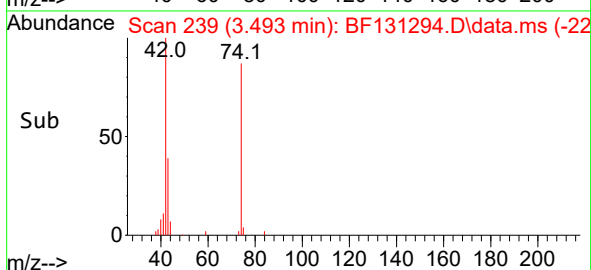
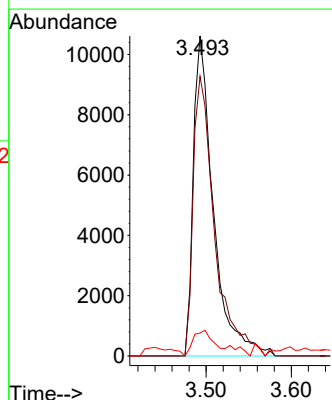
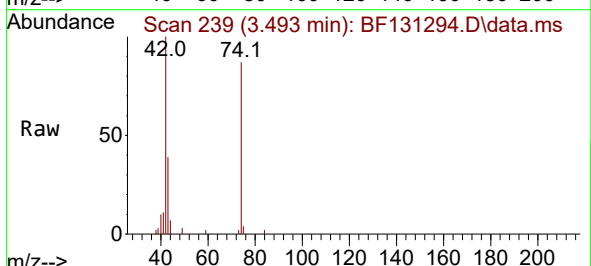
RT: 3.493 min Scan# 239

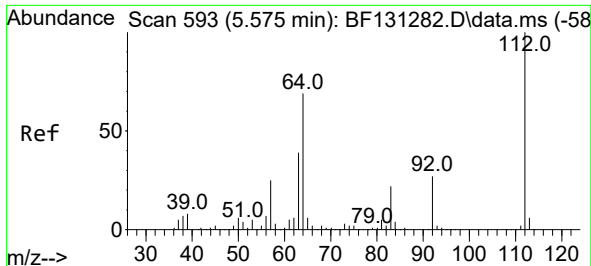
Delta R.T. -0.024 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion:	42	Resp:	17344
Ion	Ratio	Lower	Upper
42	100		
74	87.3	70.3	105.5
44	7.2	5.4	8.2

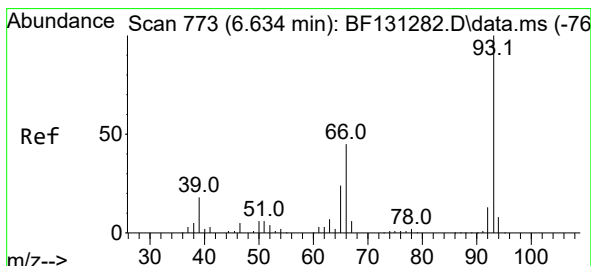
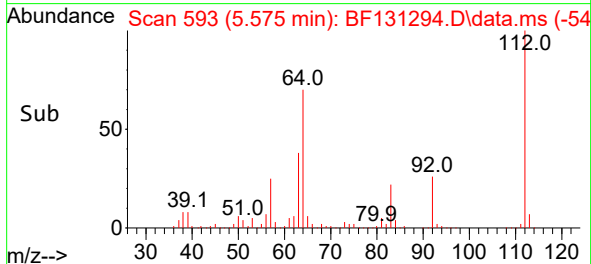
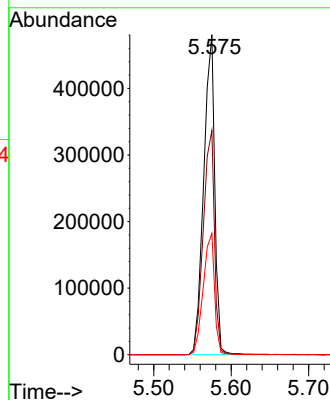
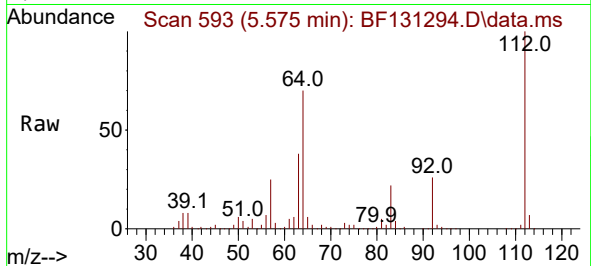




#5
2-Fluorophenol
Concen: 113.462 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

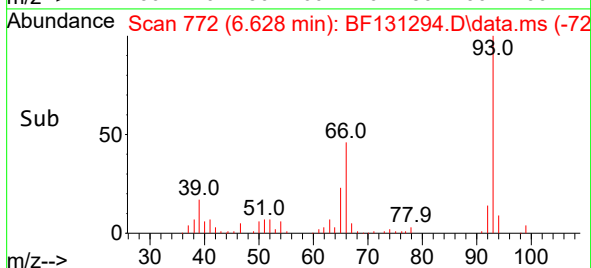
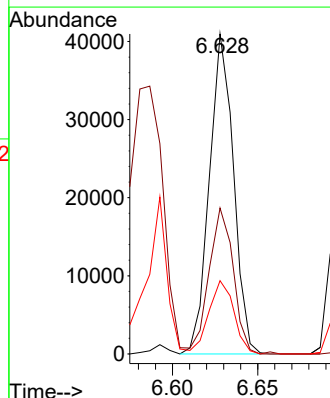
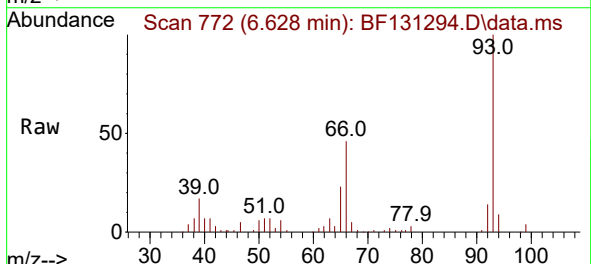
Instrument :
BNA_F
ClientSampleId :
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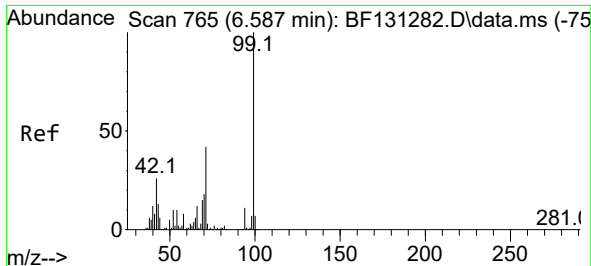
Tgt Ion:112 Resp: 476669
Ion Ratio Lower Upper
112 100
64 70.1 55.5 83.3
63 37.9 31.0 46.6



#6
Aniline
Concen: 6.051 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion: 93 Resp: 40333
Ion Ratio Lower Upper
93 100
66 45.6 37.7 56.5
65 22.9 19.5 29.3





#7

Phenol-d6

Concen: 112.195 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

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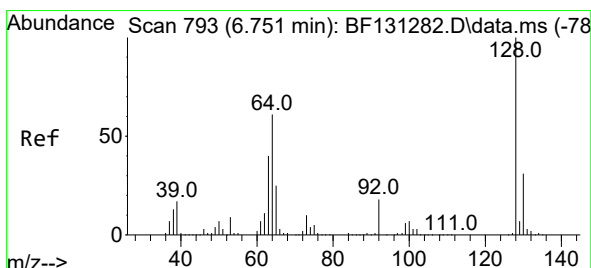
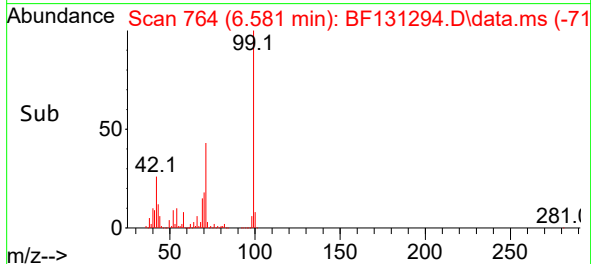
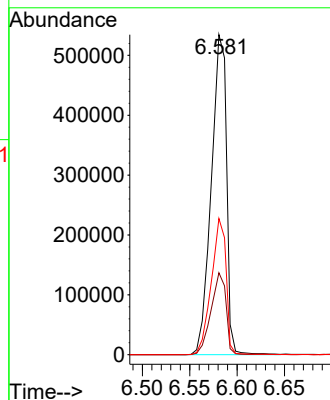
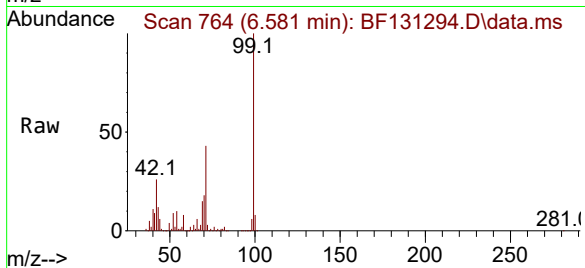
Tgt Ion: 99 Resp: 597537

Ion Ratio Lower Upper

99 100

42 25.6 21.2 31.8

71 42.5 33.8 50.6



#8

2-Chlorophenol

Concen: 5.644 ng

RT: 6.751 min Scan# 793

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

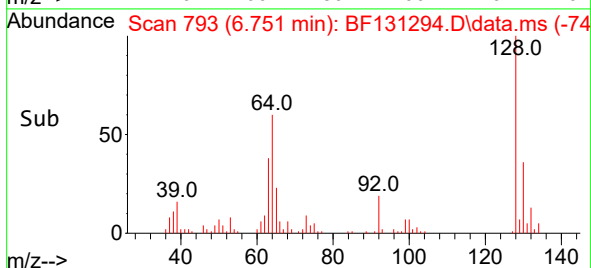
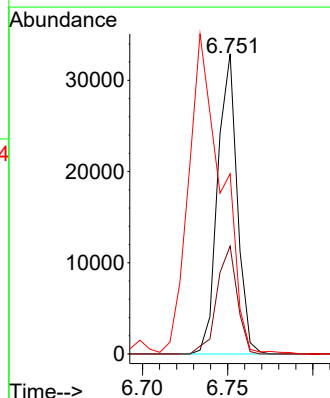
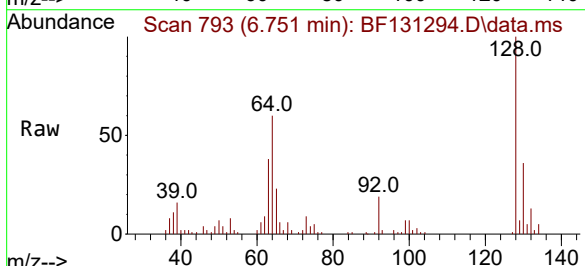
Tgt Ion:128 Resp: 26245

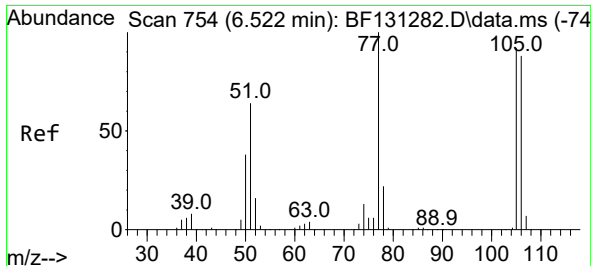
Ion Ratio Lower Upper

128 100

130 35.9 11.4 51.4

64 60.0 40.9 80.9





#9

Benzaldehyde

Concen: 6.314 ng

RT: 6.516 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

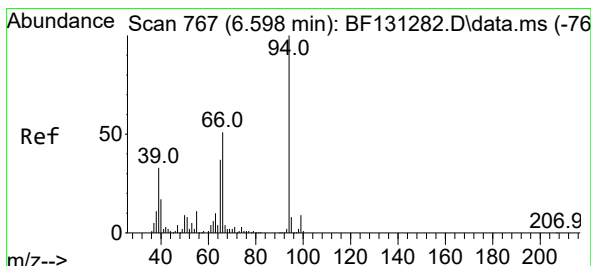
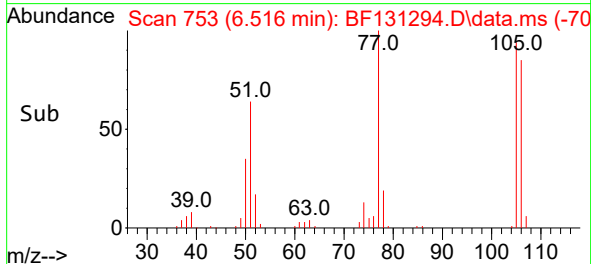
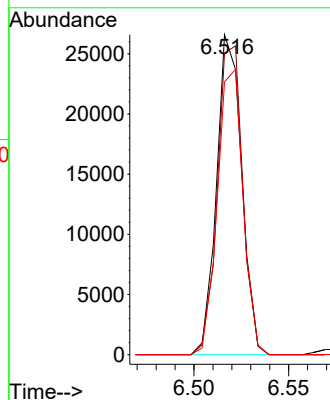
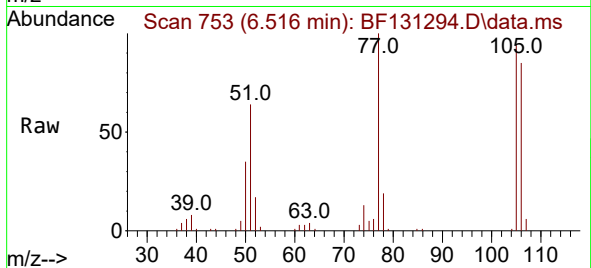
Tgt Ion: 77 Resp: 24413

Ion Ratio Lower Upper

77 100

105 94.3 72.5 112.5

106 85.2 67.7 107.7



#10

Phenol

Concen: 5.380 ng

RT: 6.593 min Scan# 766

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

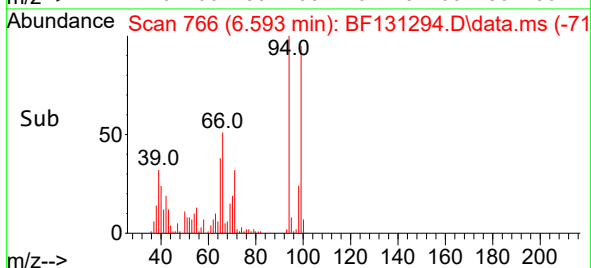
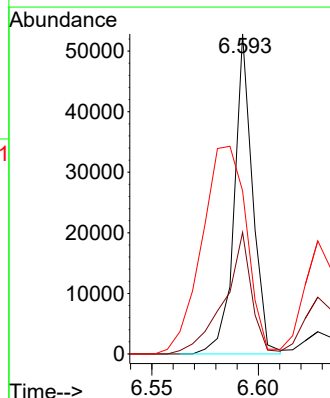
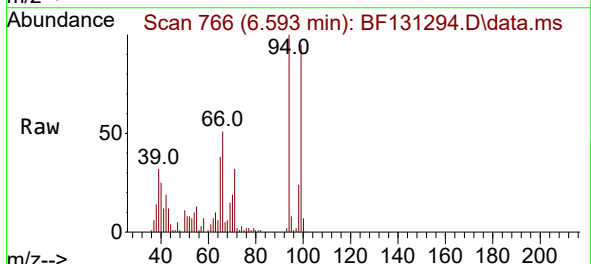
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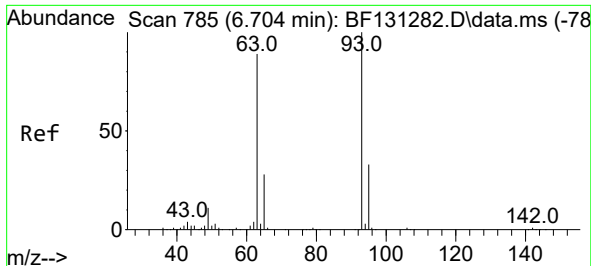
Ion Ratio Lower Upper

94 100

65 38.0 16.8 56.8

66 51.0 31.4 71.4

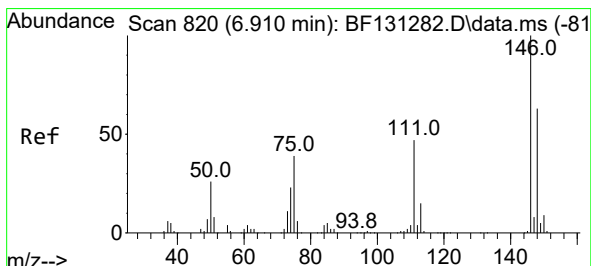
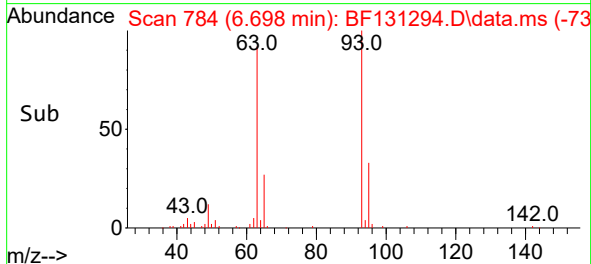
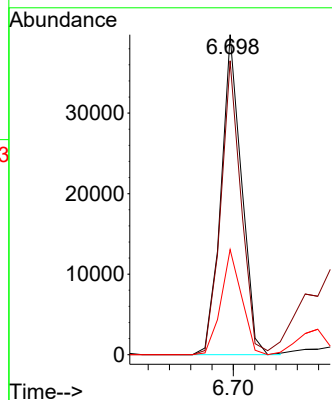
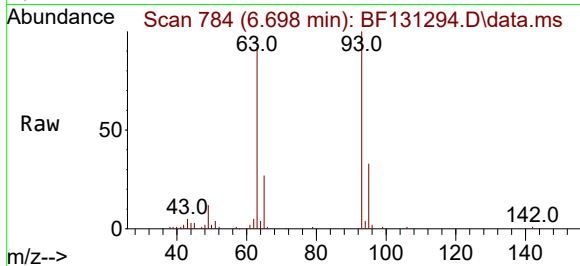




#11
bis(2-Chloroethyl)ether
Concen: 5.632 ng
RT: 6.698 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

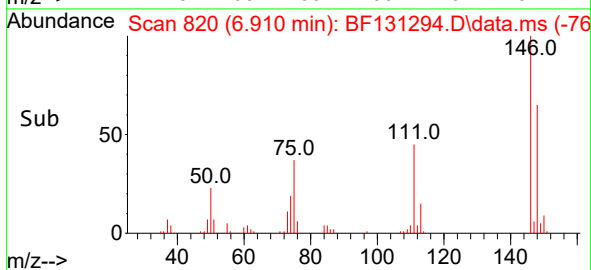
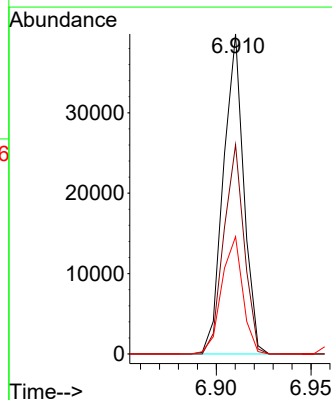
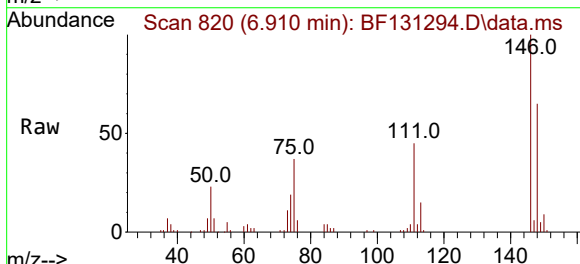
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

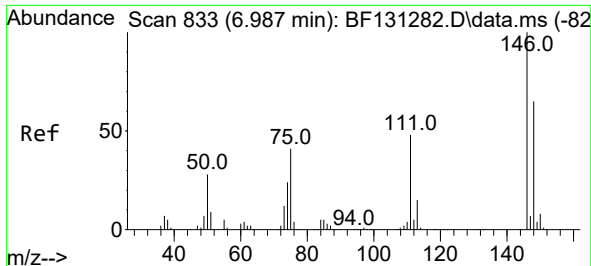
Tgt Ion: 93	Resp: 26723
Ion Ratio	Lower Upper
93 100	
63 91.8	68.8 108.8
95 32.9	12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.374 ng
RT: 6.910 min Scan# 820
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:146	Resp: 29731
Ion Ratio	Lower Upper
146 100	
148 65.4	50.4 75.6
75 36.7	30.9 46.3

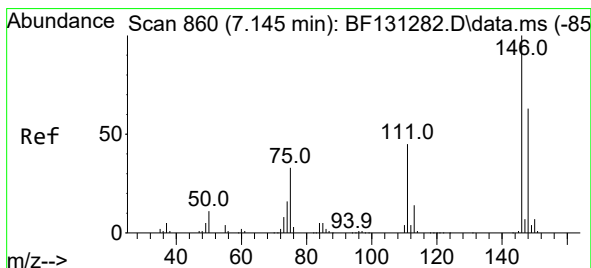
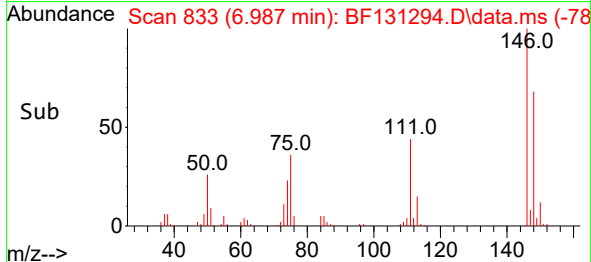
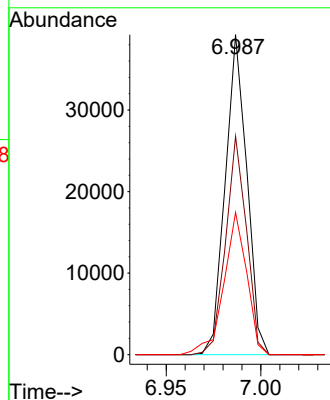
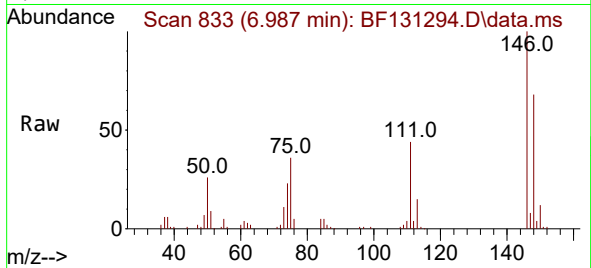




#13
1,4-Dichlorobenzene
Concen: 5.532 ng
RT: 6.987 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

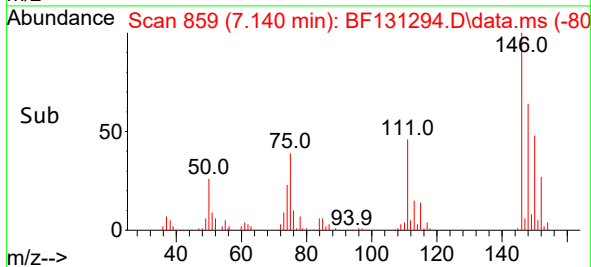
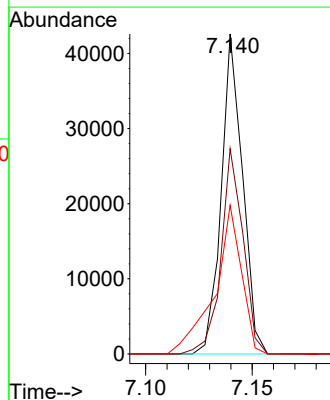
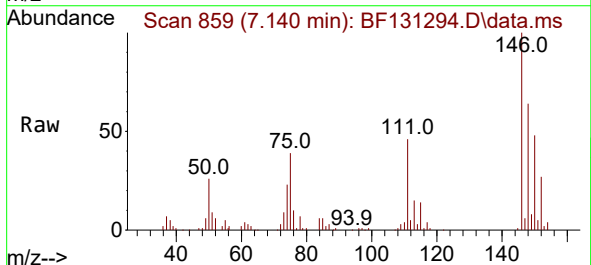
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

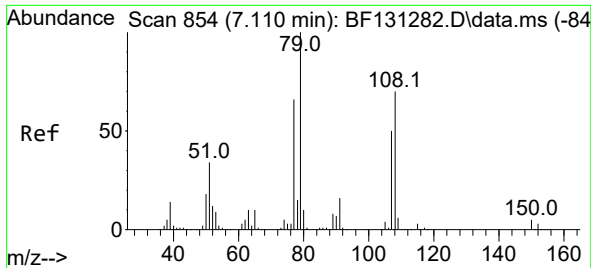
Tgt Ion:146 Resp: 31120
Ion Ratio Lower Upper
146 100
148 68.3 51.9 77.9
111 44.4 38.3 57.5



#14
1,2-Dichlorobenzene
Concen: 5.638 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:146 Resp: 29520
Ion Ratio Lower Upper
146 100
148 64.1 50.6 75.8
111 46.4 36.4 54.6

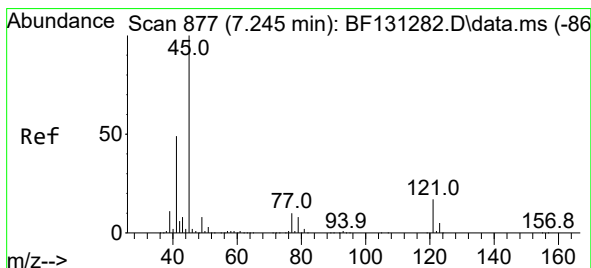
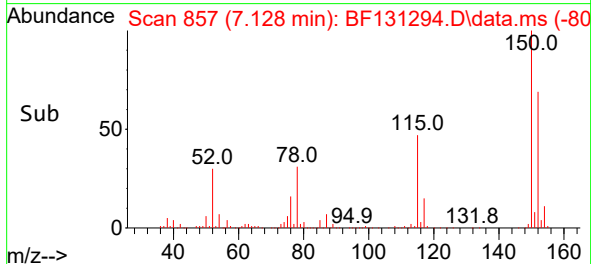
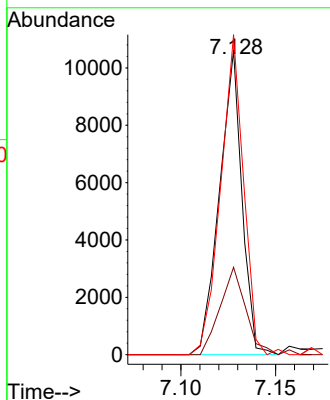
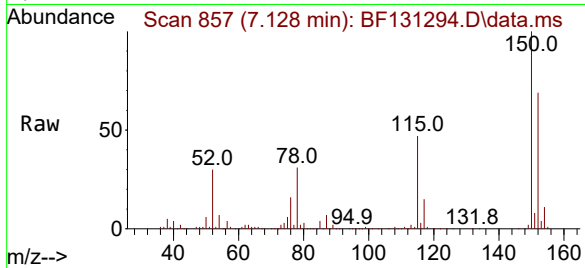




#15
Benzyl Alcohol
Concen: 1.927 ng
RT: 7.128 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

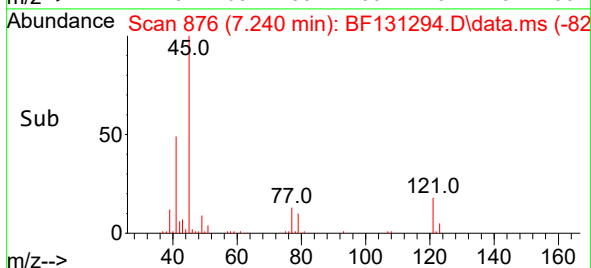
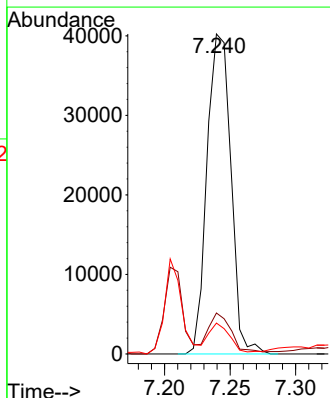
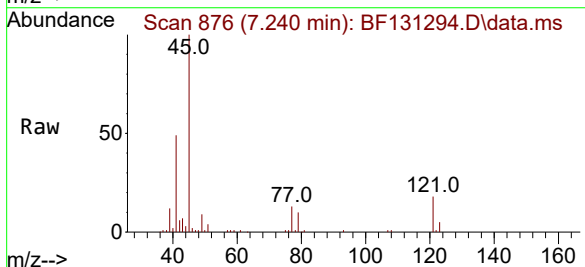
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

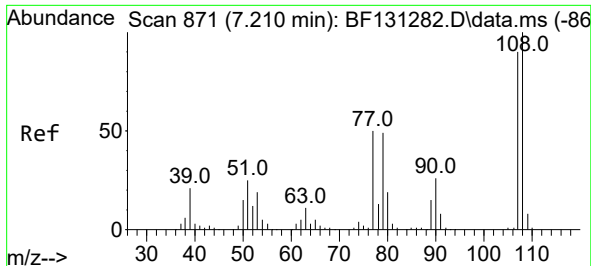
Tgt Ion: 79 Resp: 8741
Ion Ratio Lower Upper
79 100
108 28.7 56.3 84.5#
77 105.0 52.5 78.7#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.676 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion: 45 Resp: 50991
Ion Ratio Lower Upper
45 100
77 12.8 0.0 30.8
79 9.7 0.0 28.4

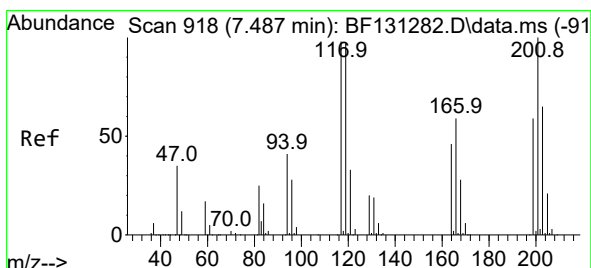
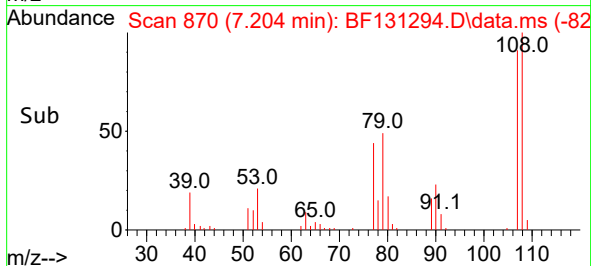
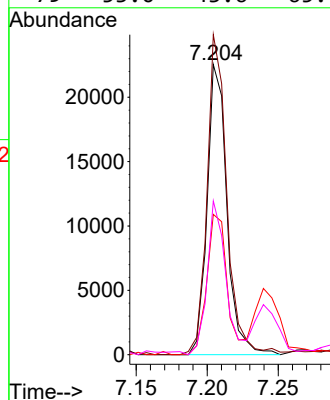
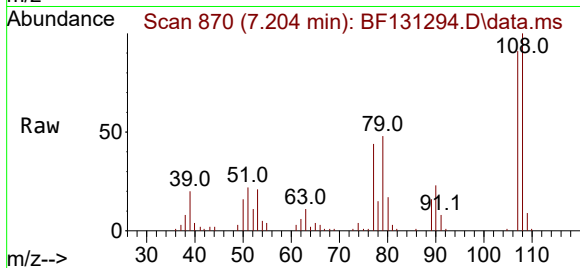




#17
2-Methylphenol
Concen: 5.374 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

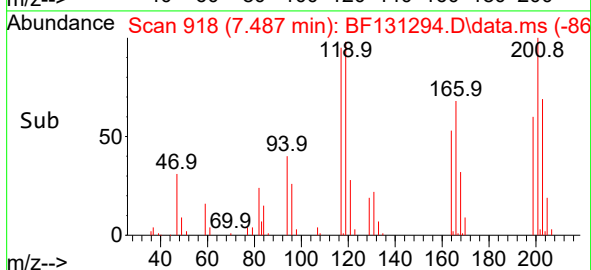
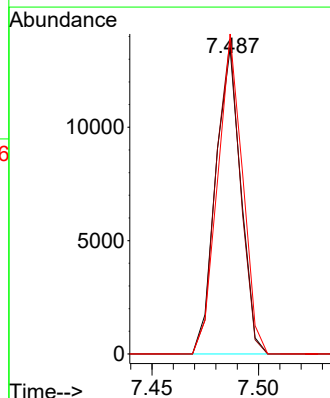
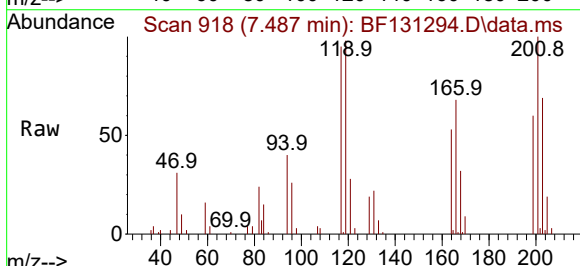
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

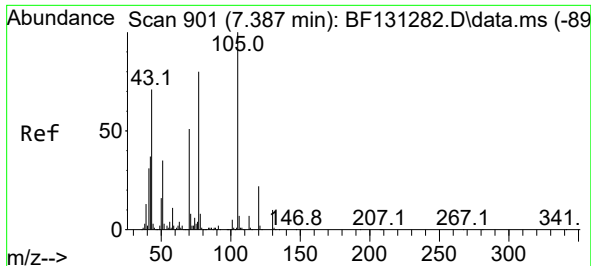
Tgt Ion:	107	Resp:	21848
Ion	Ratio	Lower	Upper
107	100		
108	110.3	89.2	133.8
77	48.4	45.0	67.4
79	53.0	43.6	65.4



#18
Hexachloroethane
Concen: 5.539 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:	117	Resp:	11078
Ion	Ratio	Lower	Upper
117	100		
119	103.0	79.0	118.4
201	104.7	81.7	122.5

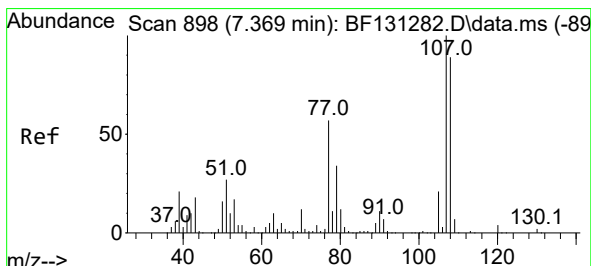
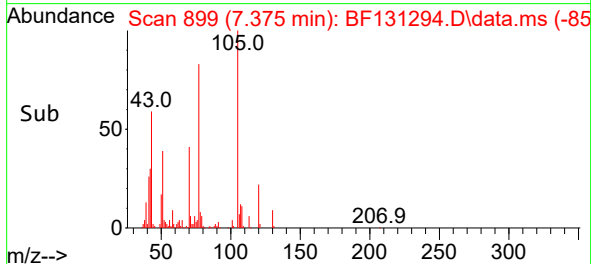
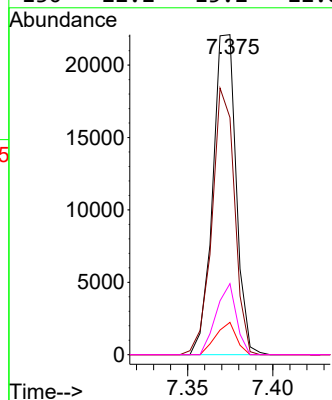
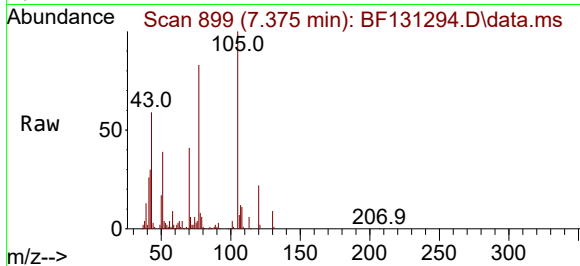




#19
n-Nitroso-di-n-propylamine
Concen: 5.510 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

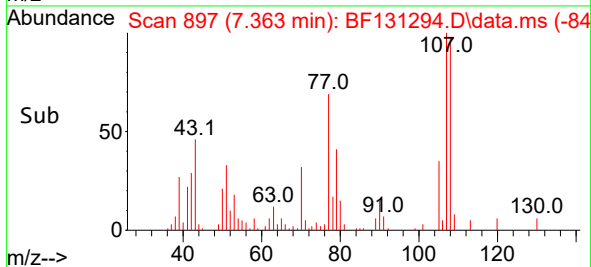
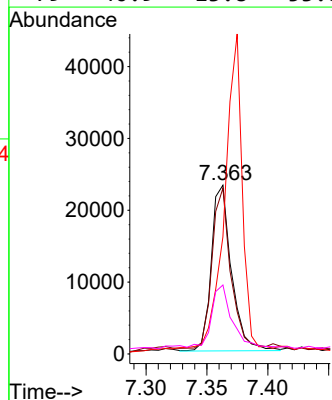
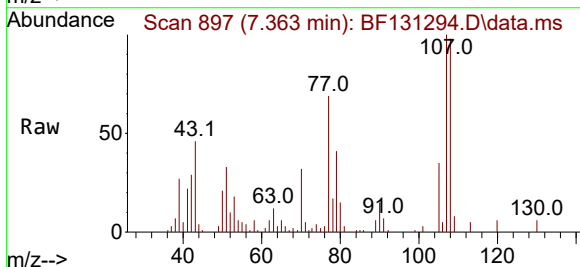
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

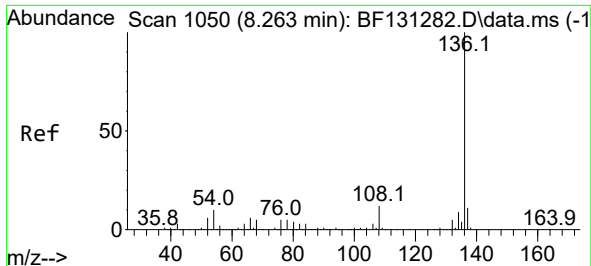
Tgt Ion:	70	Resp:	21105
Ion	Ratio	Lower	Upper
70	100		
42	74.1	58.9	88.3
101	10.1	7.2	10.8
130	22.2	15.2	22.8



#20
3+4-Methylphenols
Concen: 5.136 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:	107	Resp:	26667
Ion	Ratio	Lower	Upper
107	100		
108	98.2	69.0	109.0
77	69.4	36.9	76.9
79	40.9	13.8	53.8

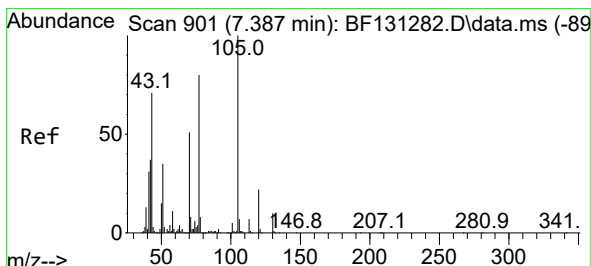
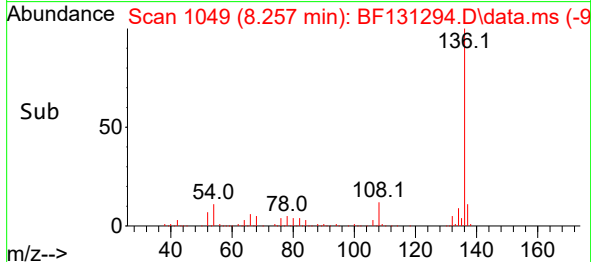
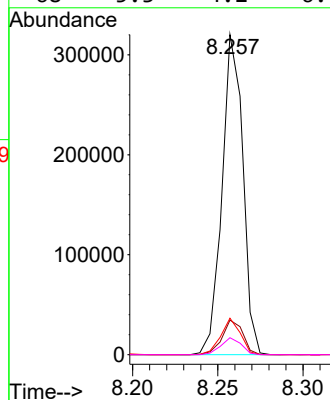
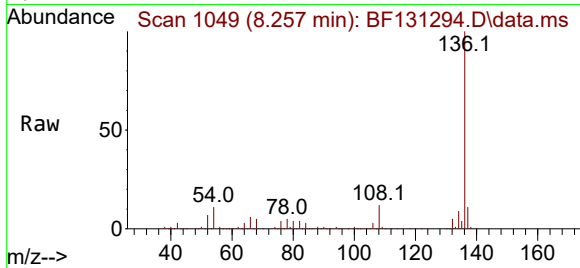




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

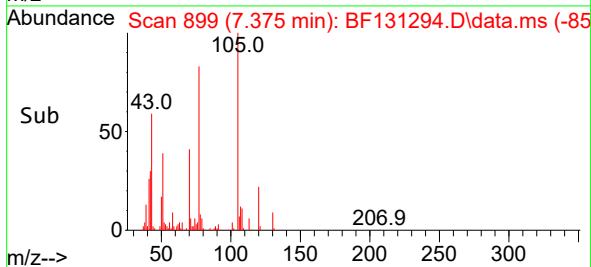
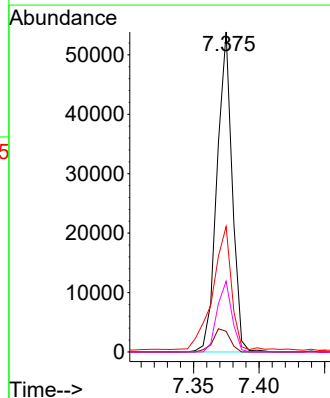
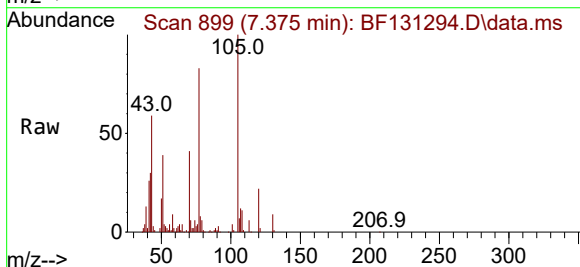
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

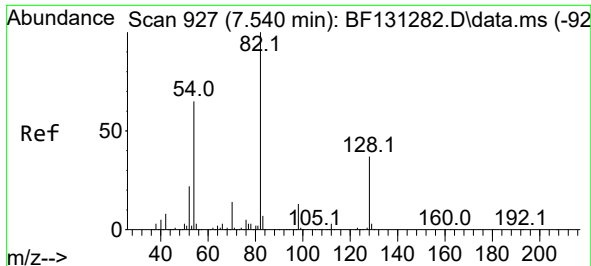
Tgt Ion:136	Resp: 272071
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 11.4	8.2 12.2
68 5.3	4.2 6.4



#22
Acetophenone
Concen: 6.016 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt	Ion:105	Resp:	43252
Ion	Ratio	Lower	Upper
105	100		
71	6.4	6.4	9.6
51	39.2	28.0	42.0
120	22.1	17.7	26.5

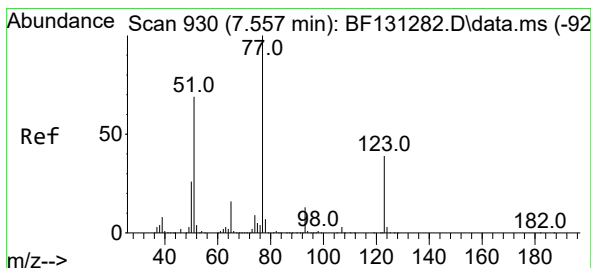
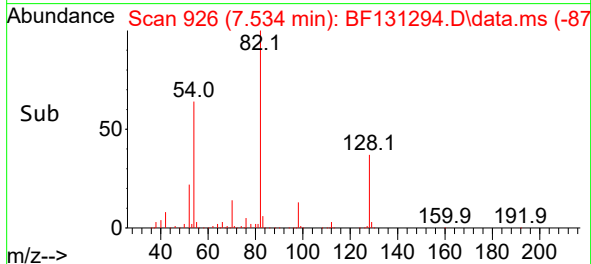
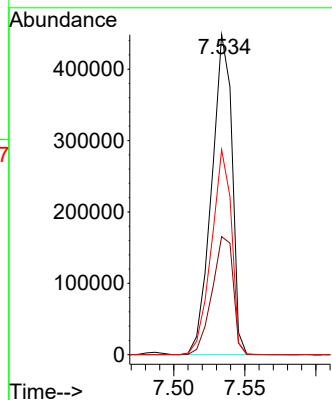
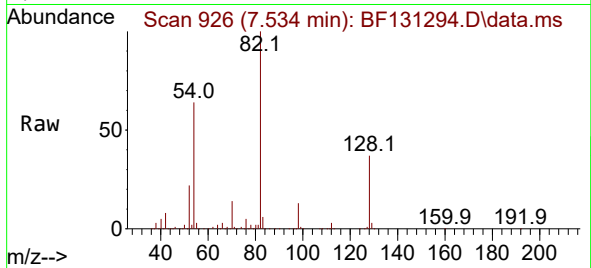




#23
Nitrobenzene-d5
Concen: 87.787 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

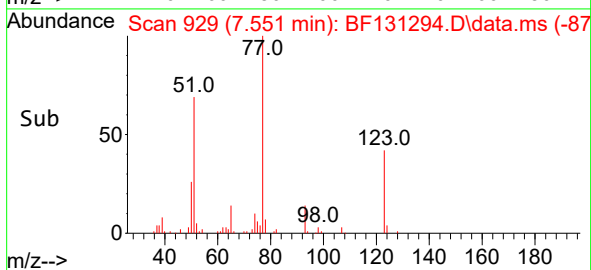
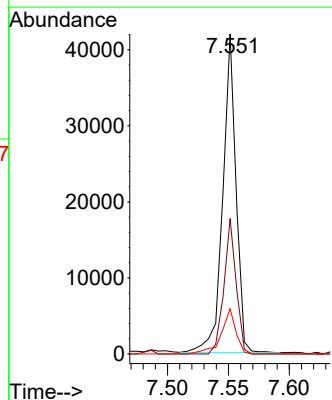
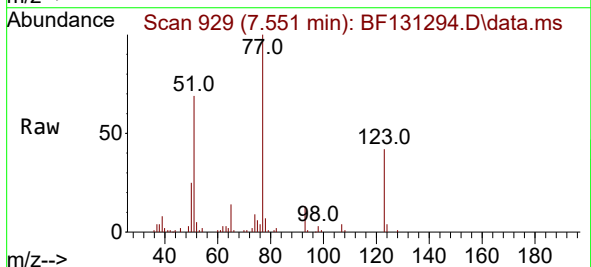
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

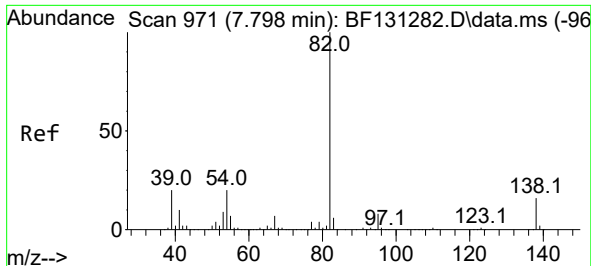
Tgt Ion: 82 Resp: 447126
Ion Ratio Lower Upper
82 100
128 36.9 29.2 43.8
54 64.0 52.2 78.4



#24
Nitrobenzene
Concen: 6.188 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion: 77 Resp: 31900
Ion Ratio Lower Upper
77 100
123 42.3 31.0 46.6
65 14.1 12.6 19.0

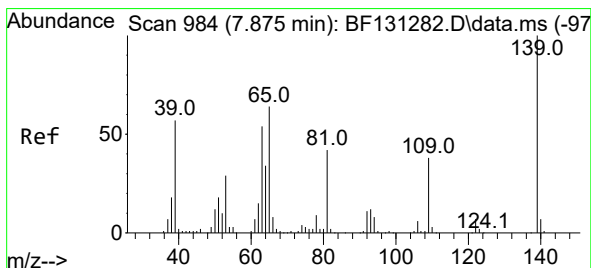
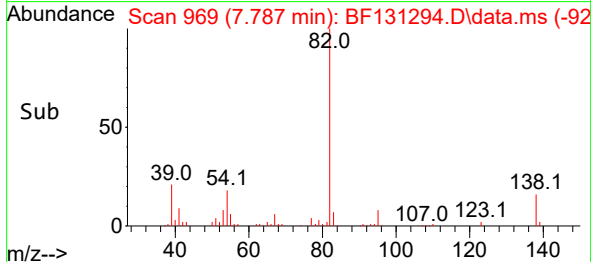
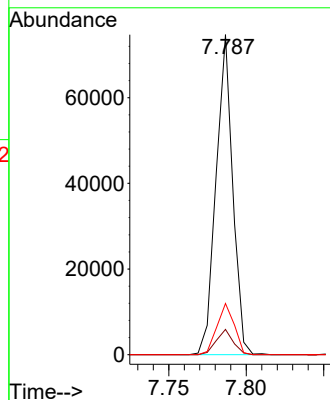
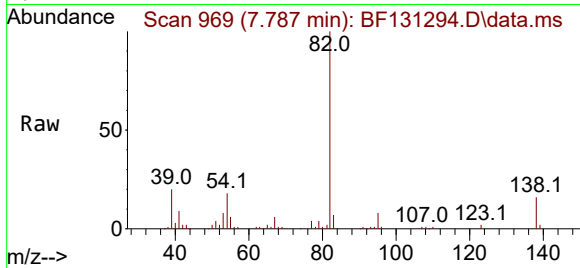




#25
Isophorone
Concen: 5.751 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.011 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

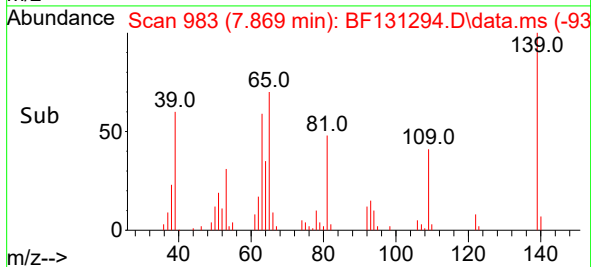
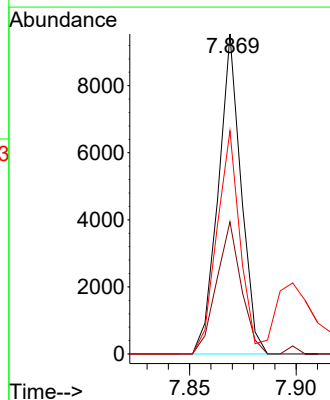
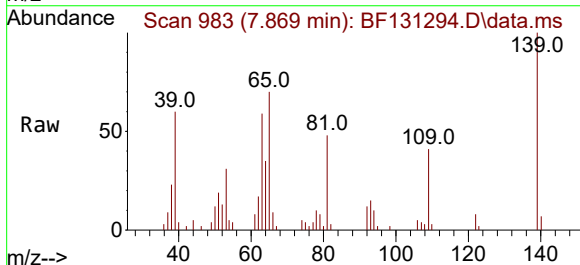
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

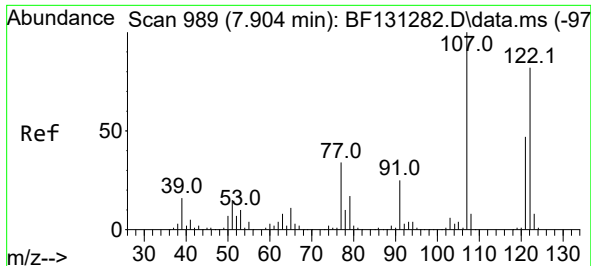
Tgt Ion: 82 Resp: 55924
Ion Ratio Lower Upper
82 100
95 7.9 6.6 9.8
138 16.0 13.0 19.6



#26
2-Nitrophenol
Concen: 4.348 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:139 Resp: 7100
Ion Ratio Lower Upper
139 100
109 41.3 30.4 45.6
65 69.7 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 7.623 ng

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

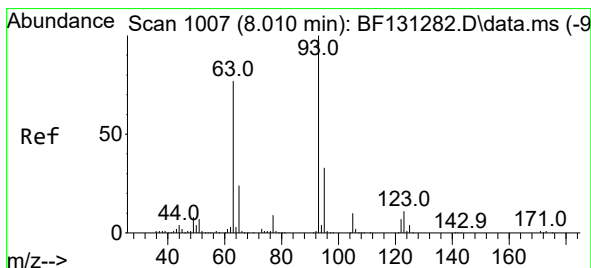
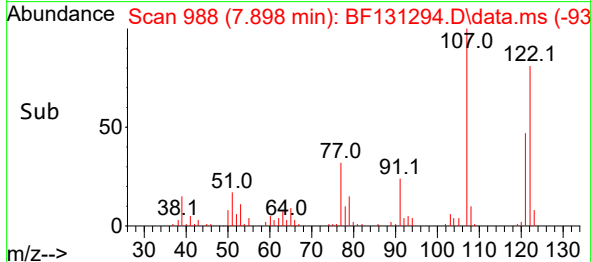
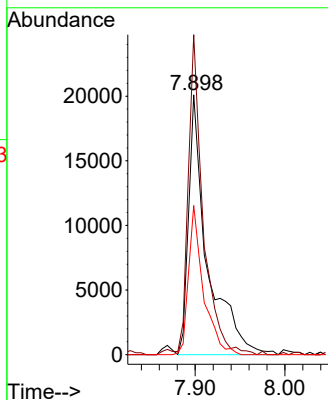
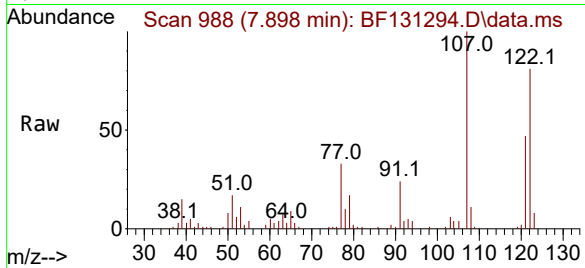
Tgt Ion:122 Resp: 29143

Ion Ratio Lower Upper

122 100

107 123.2 98.2 147.2

121 57.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 6.134 ng

RT: 7.998 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

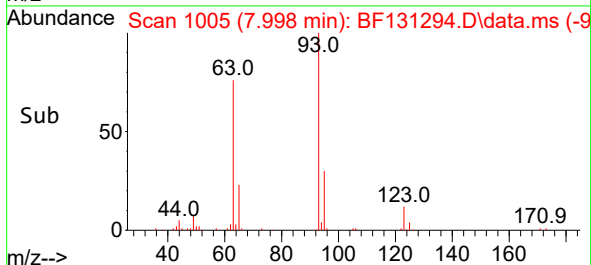
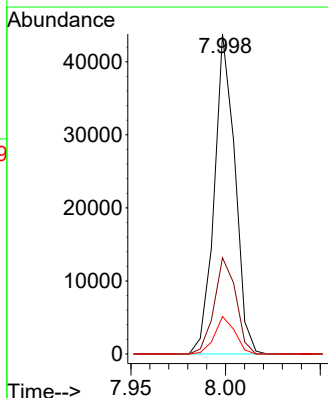
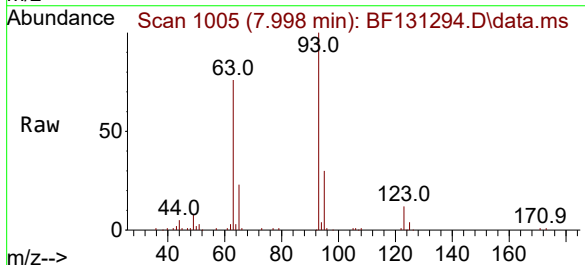
Tgt Ion: 93 Resp: 33317

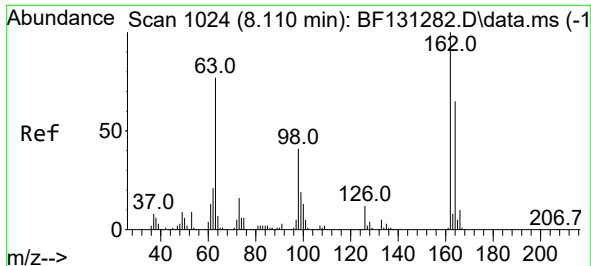
Ion Ratio Lower Upper

93 100

95 30.1 26.4 39.6

123 11.7 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 5.242 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

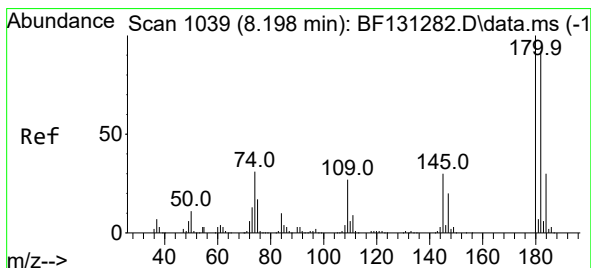
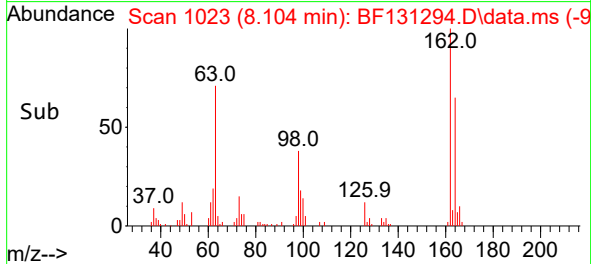
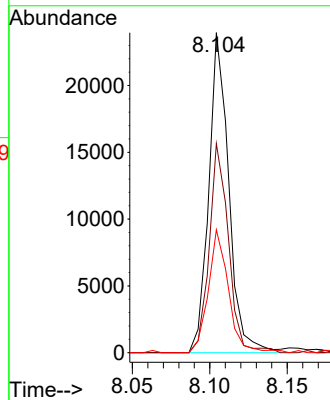
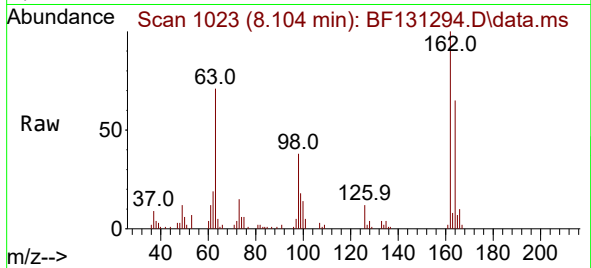
Tgt Ion:162 Resp: 21463

Ion Ratio Lower Upper

162 100

164 65.3 44.7 84.7

98 38.4 21.5 61.5



#30

1,2,4-Trichlorobenzene

Concen: 5.538 ng

RT: 8.198 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

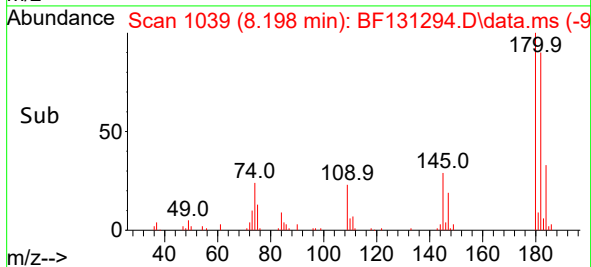
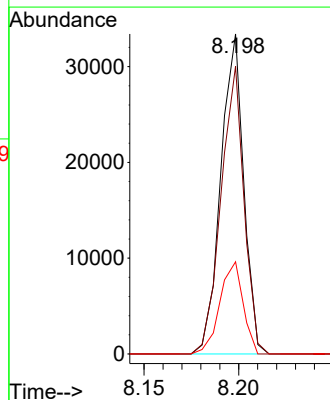
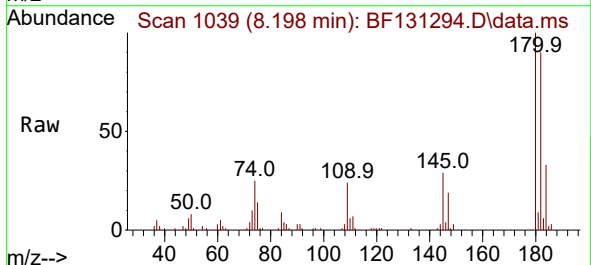
Tgt Ion:180 Resp: 28149

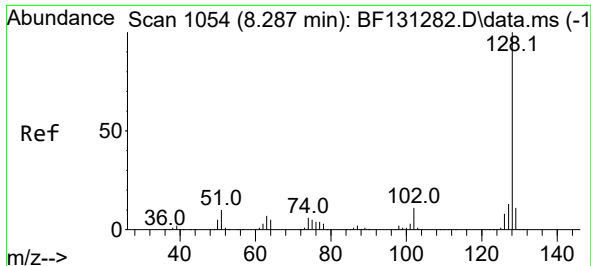
Ion Ratio Lower Upper

180 100

182 89.9 74.0 111.0

145 28.8 23.8 35.6

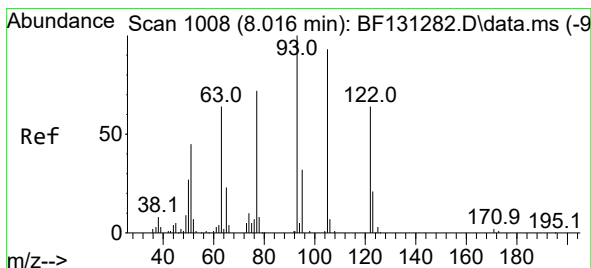
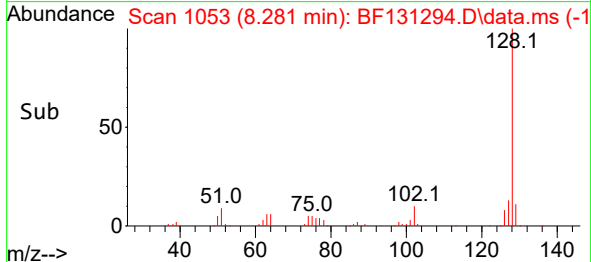
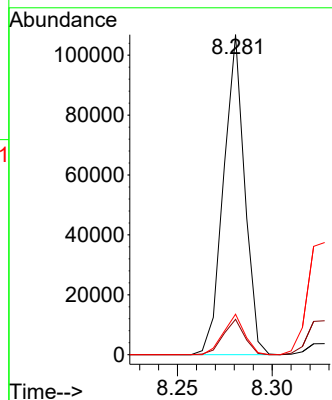
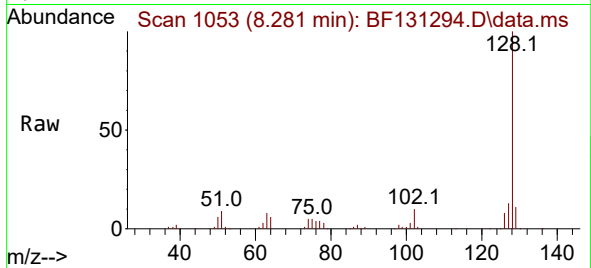




#31
Naphthalene
Concen: 5.608 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

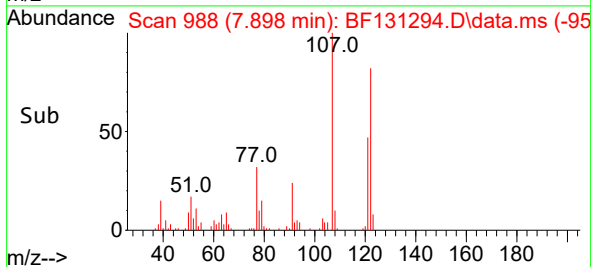
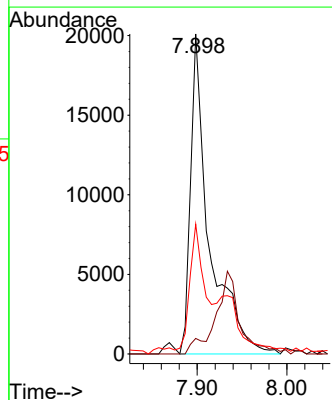
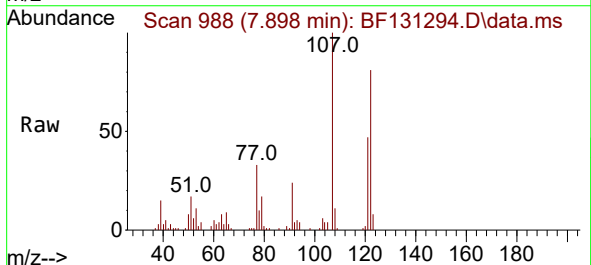
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

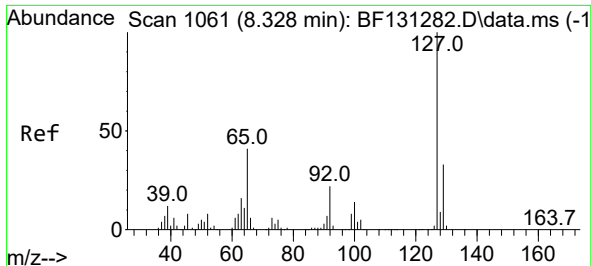
Tgt Ion:128 Resp: 82738
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.7 10.6 16.0



#32
Benzoic acid
Concen: 12.742 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.118 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:122 Resp: 29143
Ion Ratio Lower Upper
122 100
105 4.8 121.4 161.4#
77 40.6 91.2 131.2#

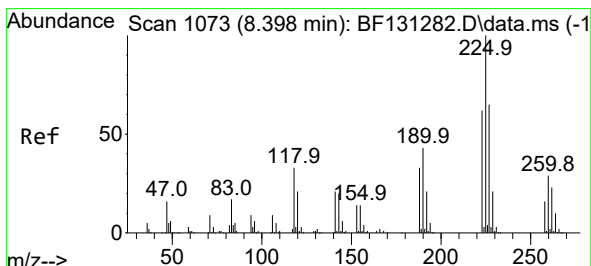
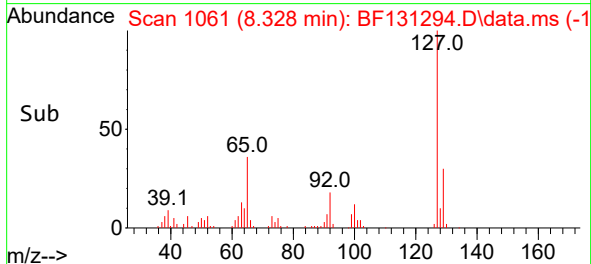
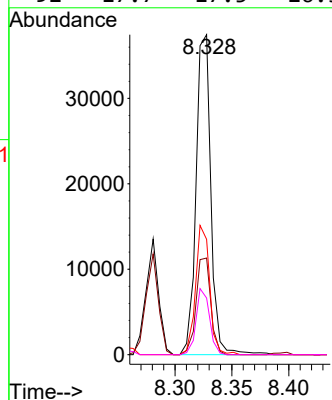
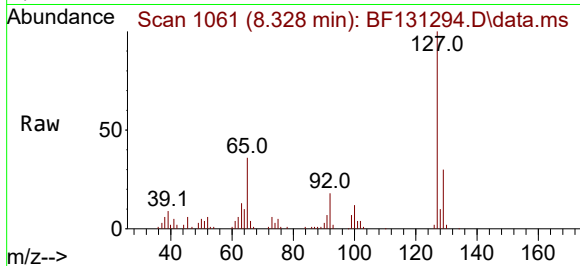




#33
4-Chloroaniline
Concen: 5.963 ng
RT: 8.328 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

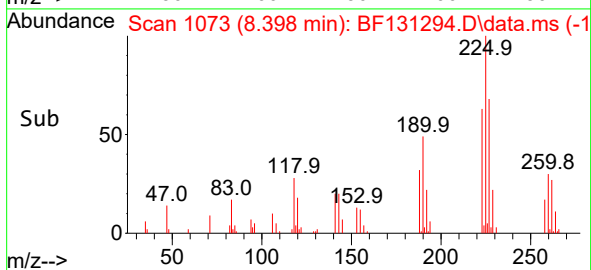
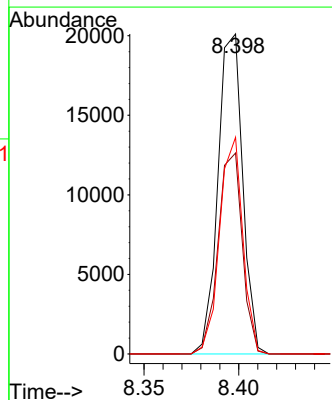
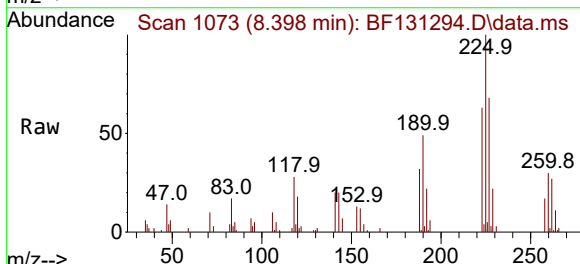
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

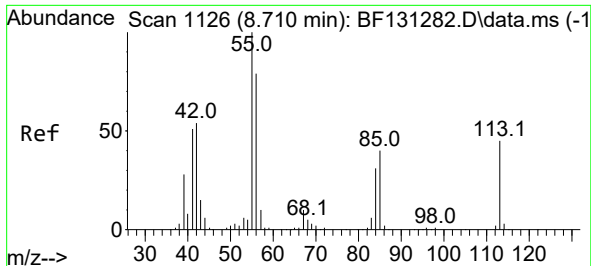
Tgt Ion:	127	Resp:	34170
Ion Ratio	Lower	Upper	
127	100		
129	30.2	26.6	40.0
65	36.1	33.2	49.8
92	17.7	17.5	26.3



#34
Hexachlorobutadiene
Concen: 5.445 ng
RT: 8.398 min Scan# 1073
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:	225	Resp:	18291
Ion Ratio	Lower	Upper	
225	100		
223	62.8	49.4	74.2
227	67.7	51.7	77.5

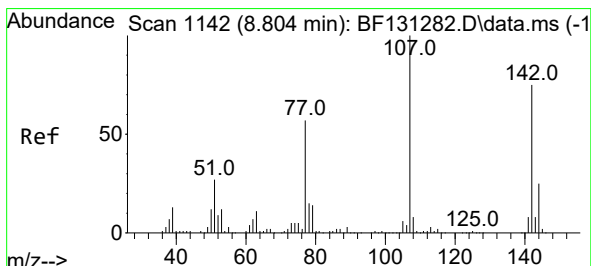
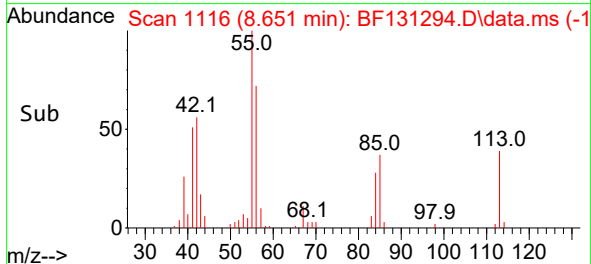
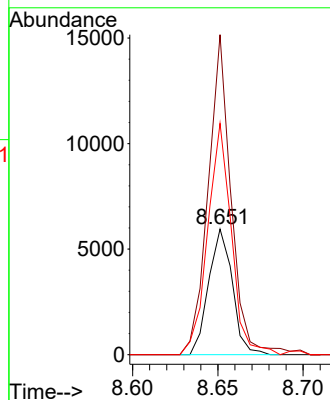
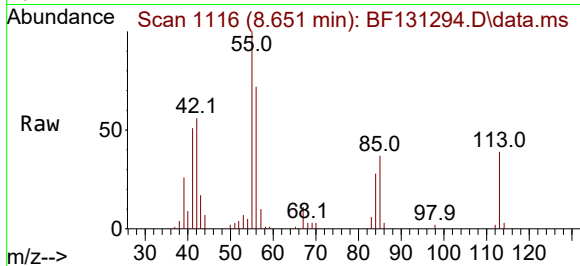




#35
Caprolactam
Concen: 5.048 ng
RT: 8.651 min Scan# 1116
Delta R.T. -0.059 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

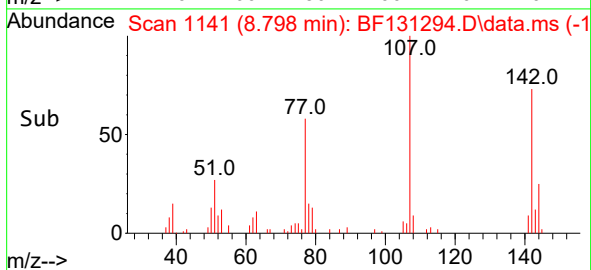
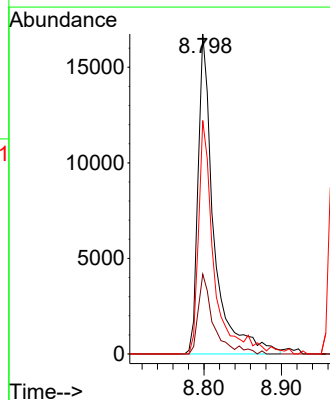
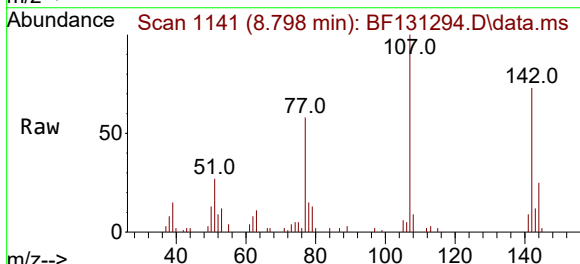
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

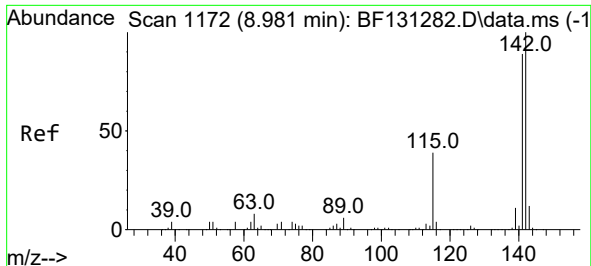
Tgt Ion:113 Resp: 5754
Ion Ratio Lower Upper
113 100
55 254.6 200.6 240.6#
56 184.1 154.5 194.5



#36
4-Chloro-3-methylphenol
Concen: 5.377 ng
RT: 8.798 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:107 Resp: 23726
Ion Ratio Lower Upper
107 100
144 24.9 19.6 29.4
142 72.9 60.1 90.1

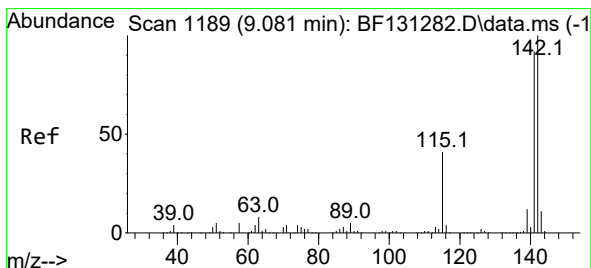
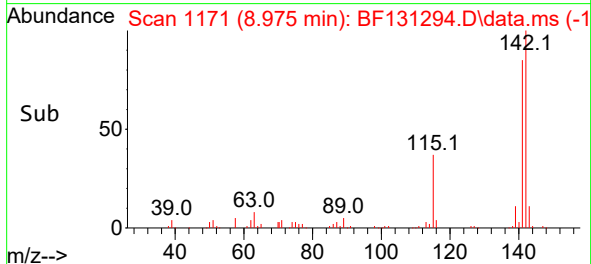
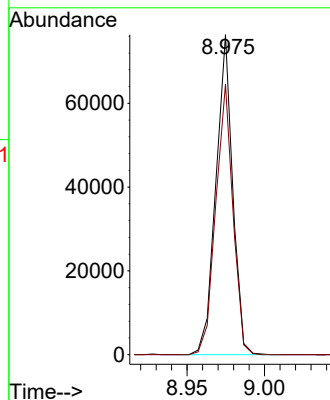
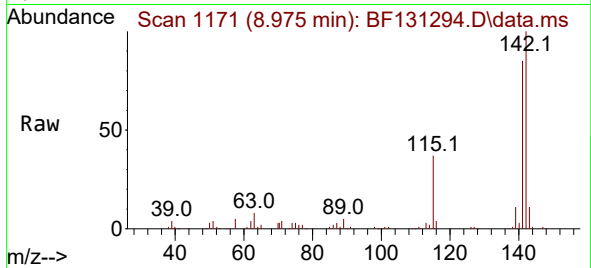




#37
2-Methylnaphthalene
Concen: 5.785 ng
RT: 8.975 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

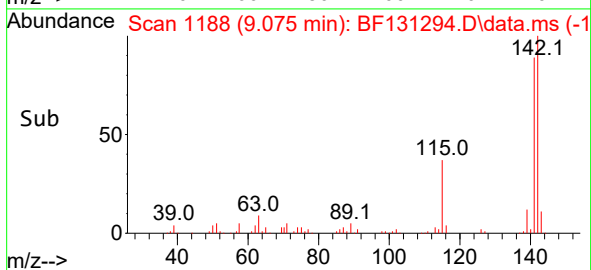
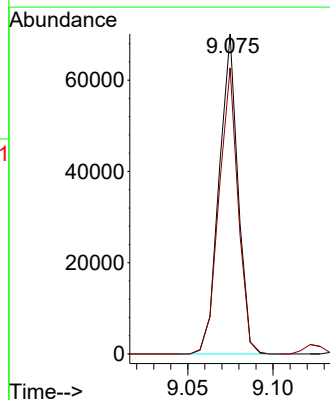
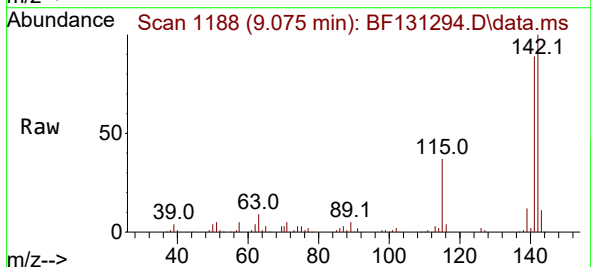
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

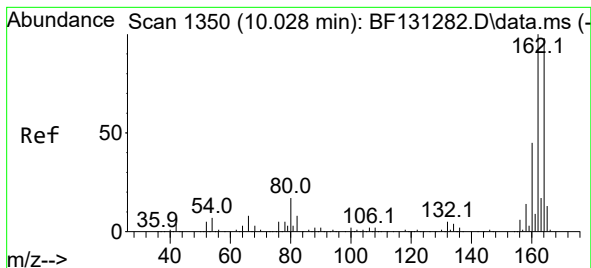
Tgt Ion:142 Resp: 57519
Ion Ratio Lower Upper
142 100
141 84.6 71.4 107.2



#38
1-Methylnaphthalene
Concen: 5.603 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:142 Resp: 53986
Ion Ratio Lower Upper
142 100
141 89.4 74.0 111.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.028 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

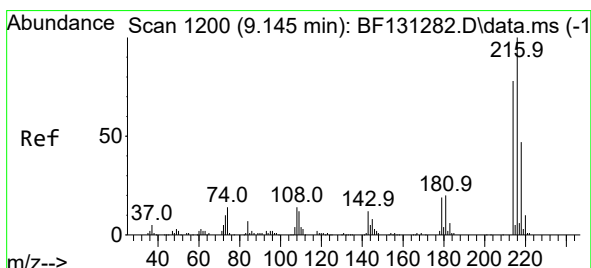
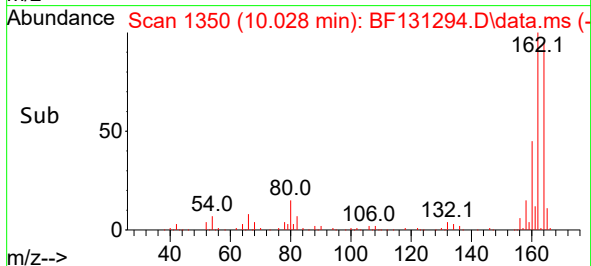
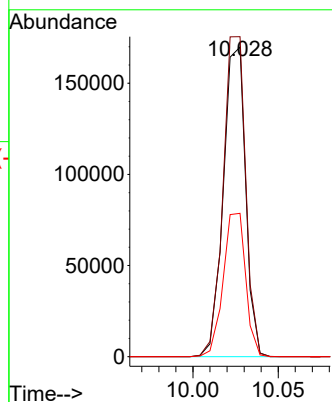
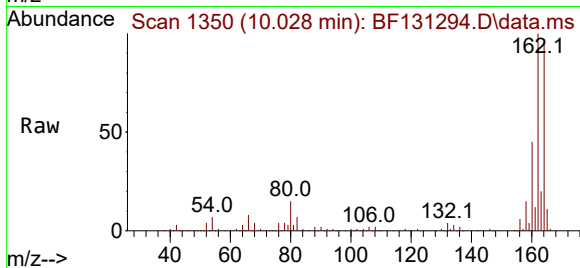
Tgt Ion:164 Resp: 154523

Ion Ratio Lower Upper

164 100

162 103.4 81.8 122.6

160 46.3 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.994 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion:216 Resp: 30304

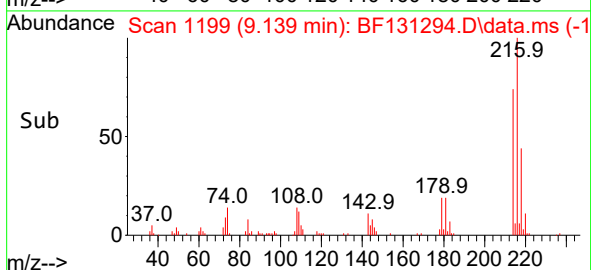
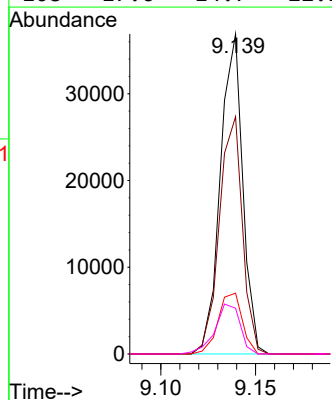
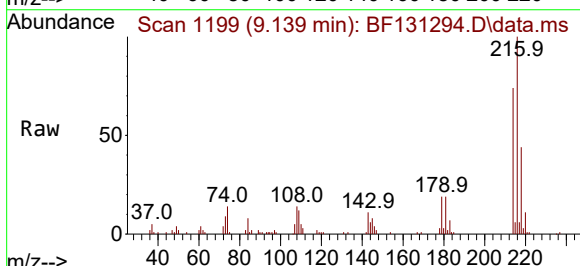
Ion Ratio Lower Upper

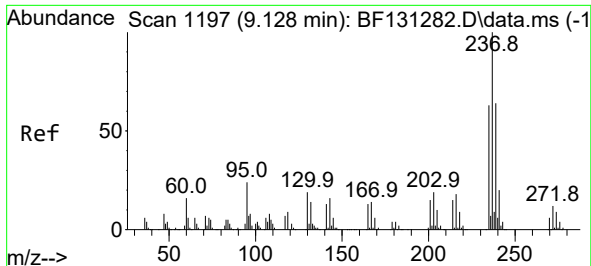
216 100

214 76.6 62.5 93.7

179 20.5 16.7 25.1

108 17.6 14.7 22.1

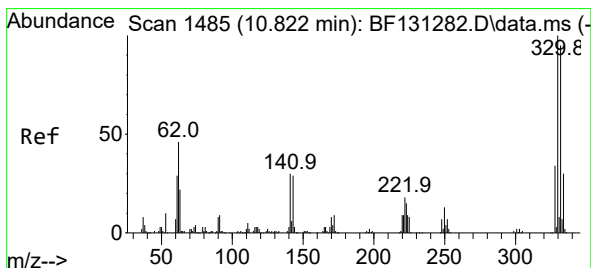
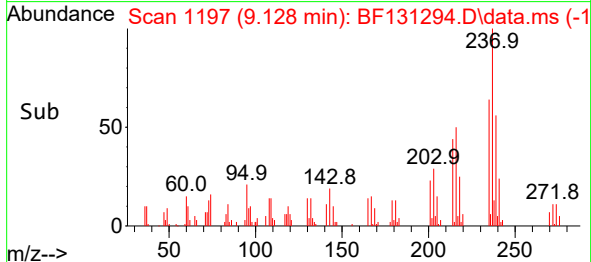
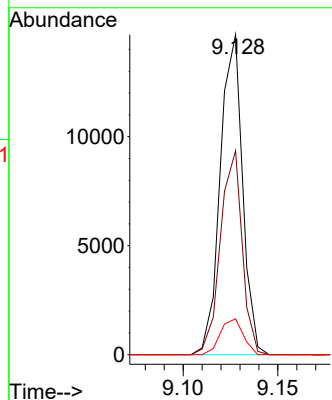
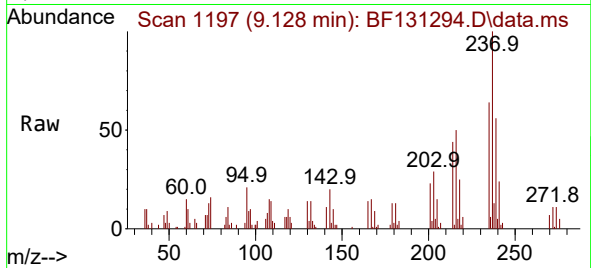




#41
Hexachlorocyclopentadiene
Concen: 5.502 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

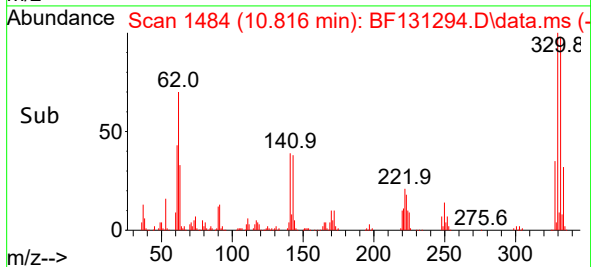
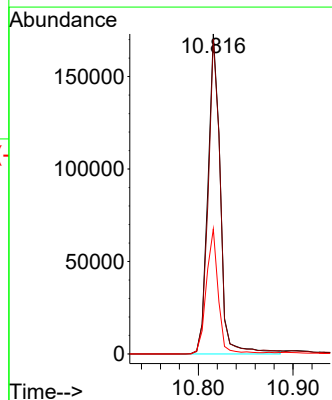
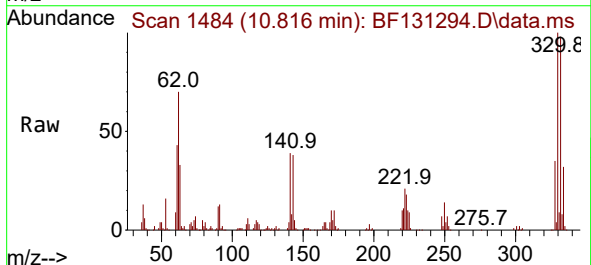
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

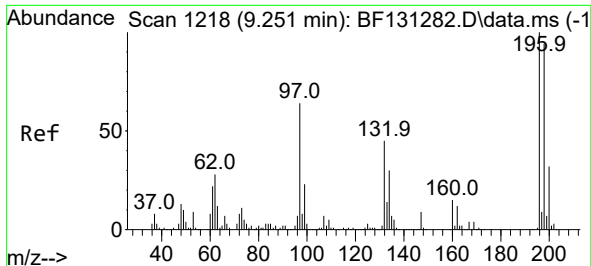
Tgt Ion:237 Resp: 12035
Ion Ratio Lower Upper
237 100
235 63.7 42.7 82.7
272 11.2 0.0 31.6



#42
2,4,6-Tribromophenol
Concen: 114.081 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:330 Resp: 156926
Ion Ratio Lower Upper
330 100
332 97.4 75.4 113.0
141 37.8 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 4.098 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131294.D

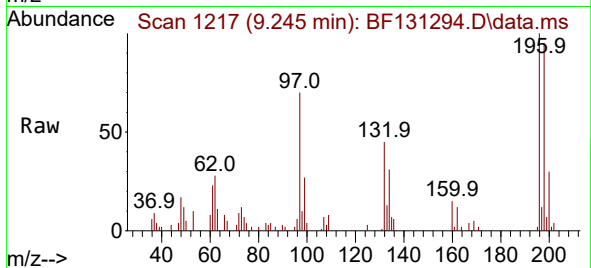
Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



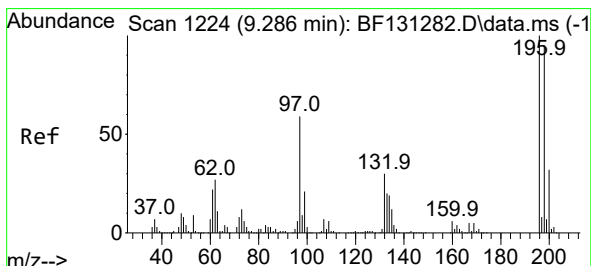
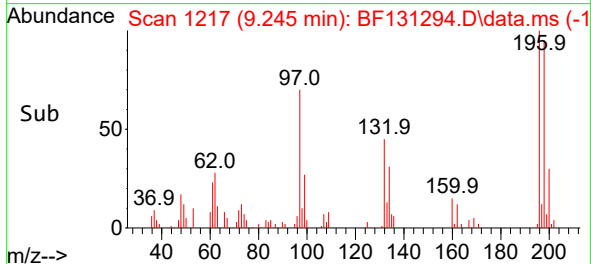
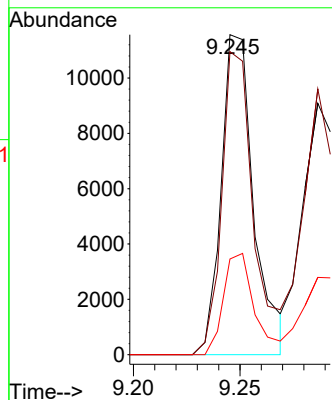
Tgt Ion:196 Resp: 12319

Ion Ratio Lower Upper

196 100

198 94.7 74.8 112.2

200 29.9 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 5.284 ng

RT: 9.287 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion:196 Resp: 17308

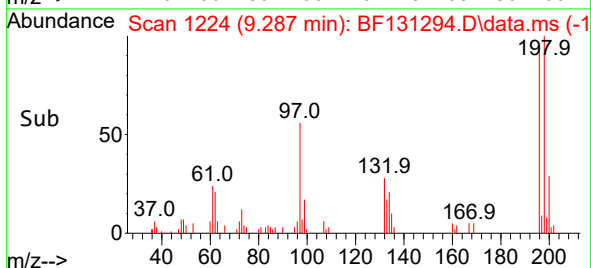
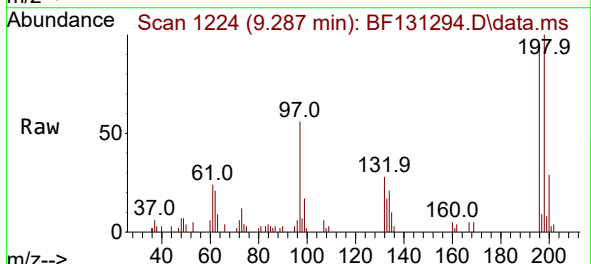
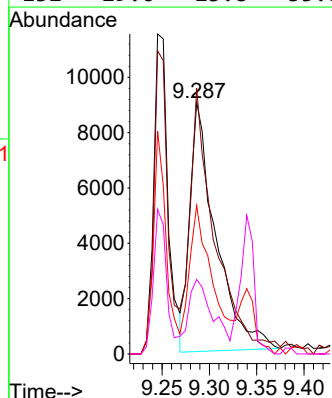
Ion Ratio Lower Upper

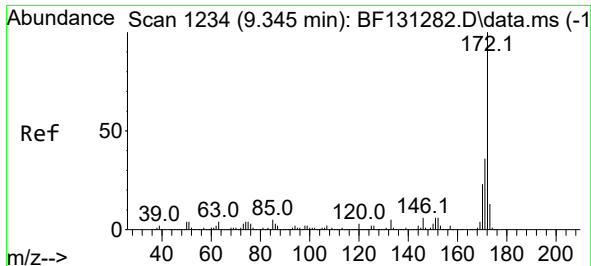
196 100

198 105.7 75.6 113.4

97 59.0 47.4 71.0

132 29.6 23.8 35.8

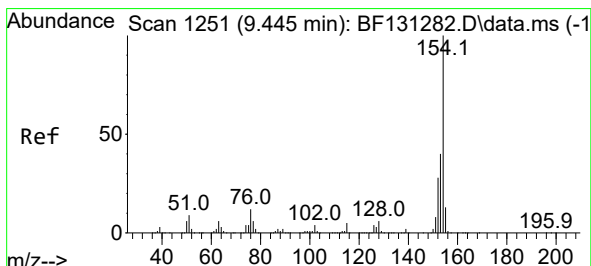
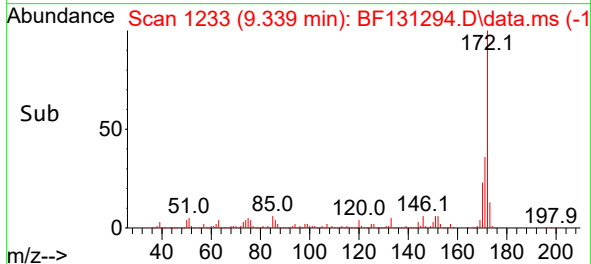
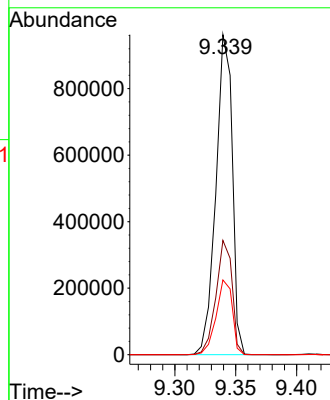
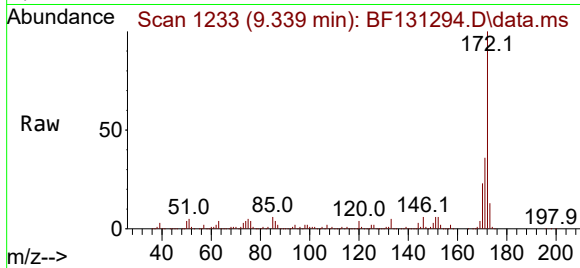




#45
2-Fluorobiphenyl
Concen: 83.196 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

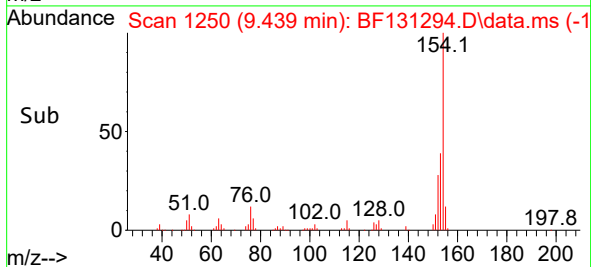
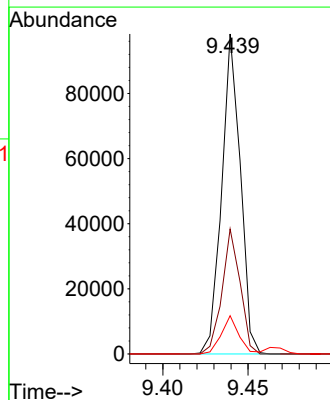
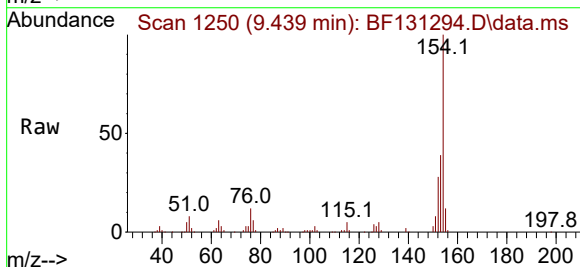
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

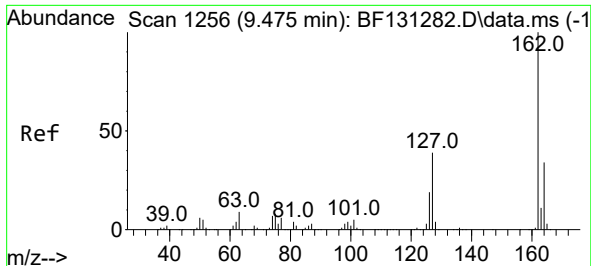
Tgt Ion:172 Resp: 900094
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.4 18.5 27.7



#46
1,1'-Biphenyl
Concen: 6.263 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:154 Resp: 74728
Ion Ratio Lower Upper
154 100
153 39.0 20.1 60.1
76 11.9 0.0 31.8





#47

2-Chloronaphthalene

Concen: 5.918 ng

RT: 9.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131294.D

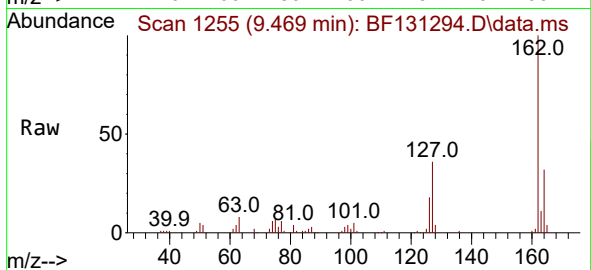
Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



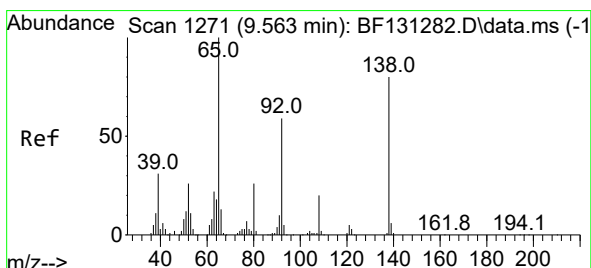
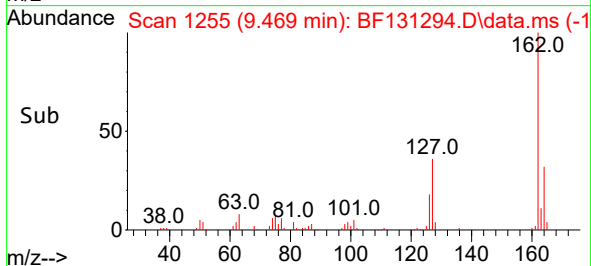
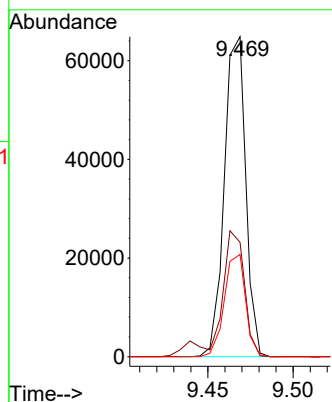
Tgt Ion:162 Resp: 56692

Ion Ratio Lower Upper

162 100

127 35.7 31.1 46.7

164 32.0 26.9 40.3



#48

2-Nitroaniline

Concen: 4.777 ng

RT: 9.557 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

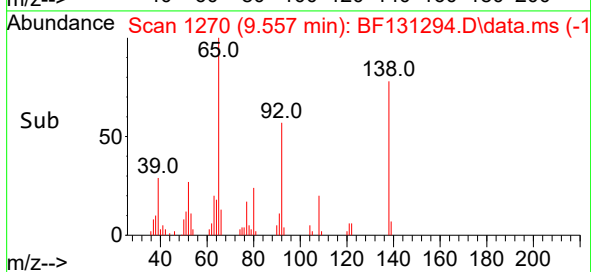
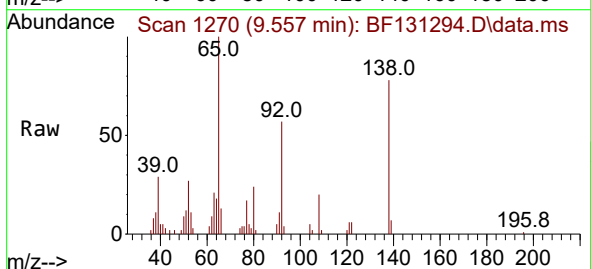
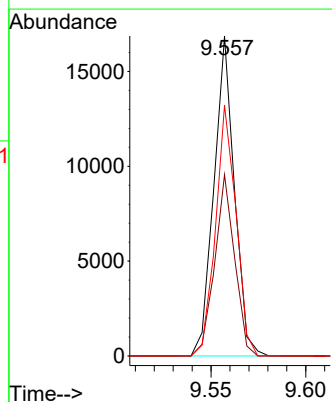
Tgt Ion: 65 Resp: 12651

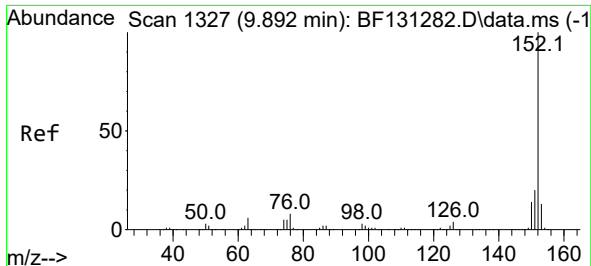
Ion Ratio Lower Upper

65 100

92 56.7 47.2 70.8

138 78.3 64.2 96.4





#49

Acenaphthylene

Concen: 5.831 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

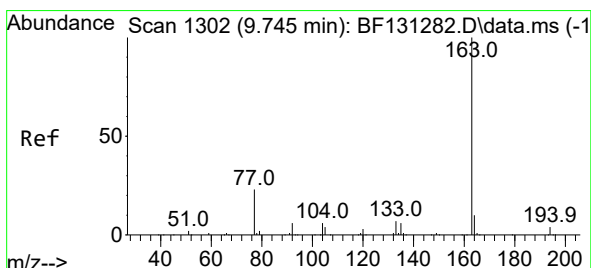
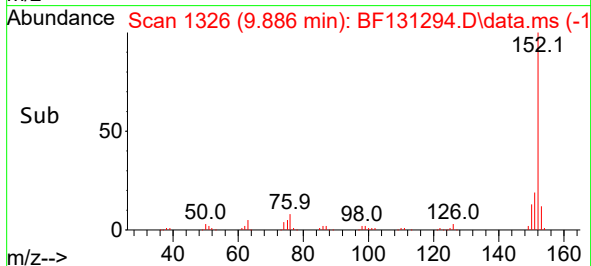
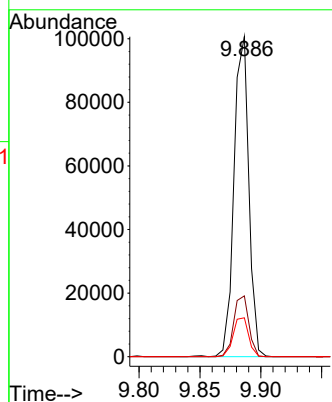
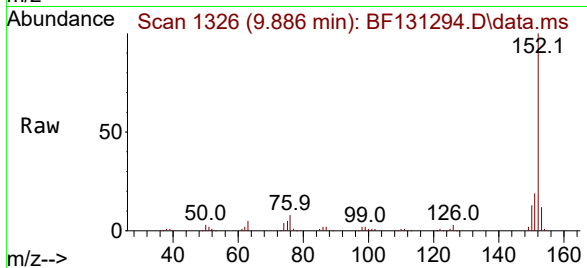
Tgt Ion:152 Resp: 85334

Ion Ratio Lower Upper

152 100

151 19.0 15.9 23.9

153 12.2 10.4 15.6



#50

Dimethylphthalate

Concen: 5.590 ng

RT: 9.734 min Scan# 1300

Delta R.T. -0.011 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

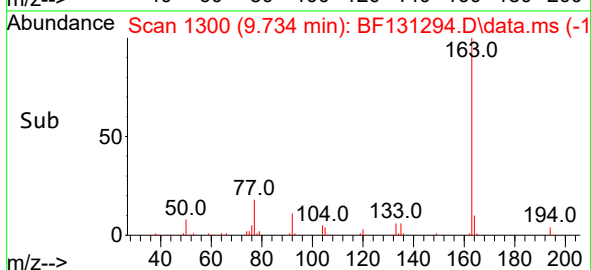
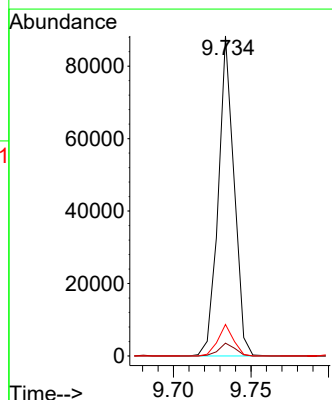
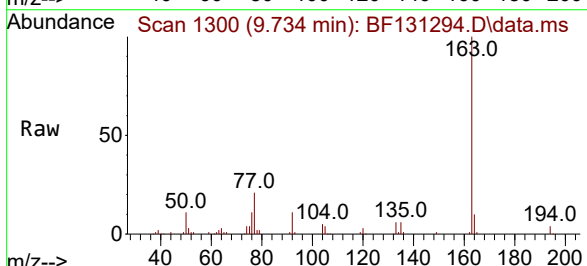
Tgt Ion:163 Resp: 62550

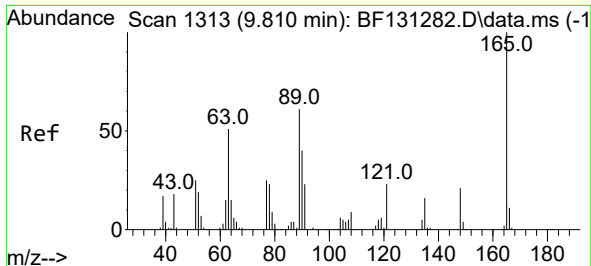
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.8 8.4 12.6

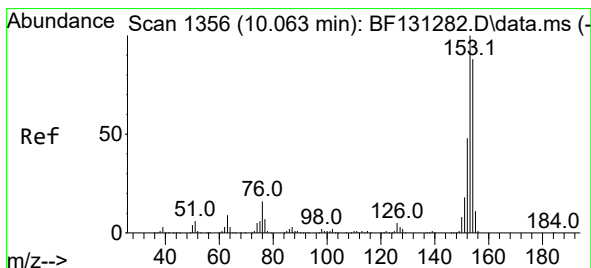
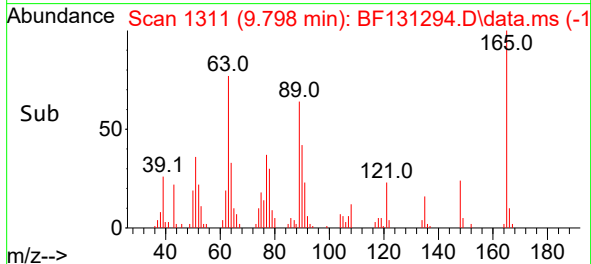
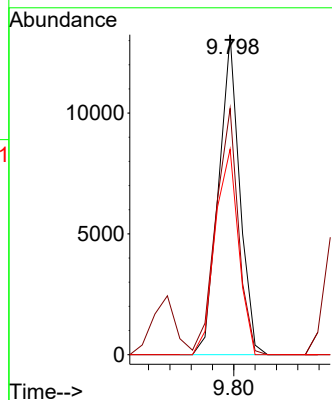
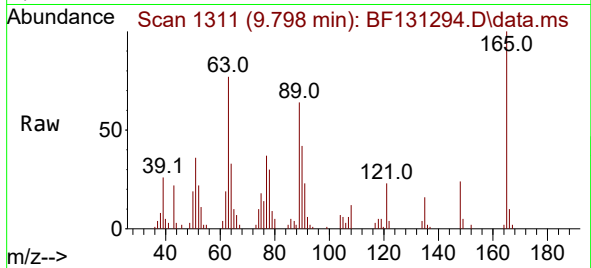




#51
2,6-Dinitrotoluene
Concen: 4.951 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

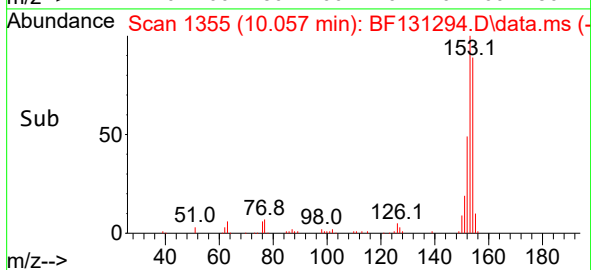
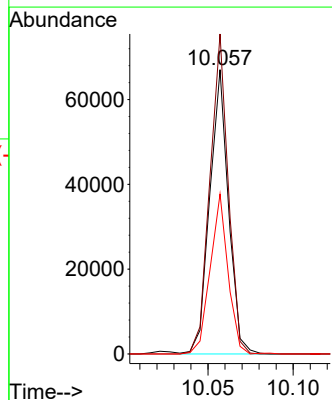
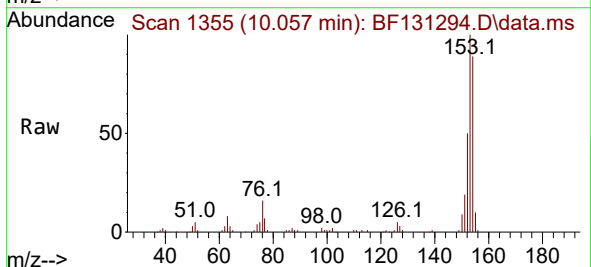
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

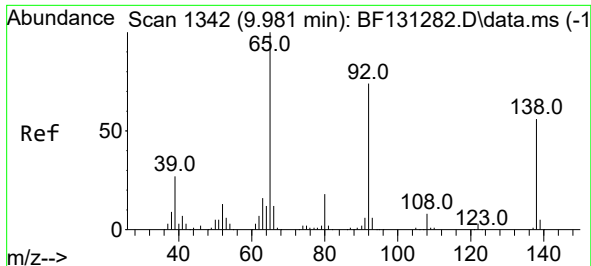
Tgt Ion:165 Resp: 9100
Ion Ratio Lower Upper
165 100
63 76.9 53.3 79.9
89 64.2 49.4 74.0



#52
Acenaphthene
Concen: 5.611 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:154 Resp: 51235
Ion Ratio Lower Upper
154 100
153 112.6 90.7 136.1
152 56.3 43.1 64.7

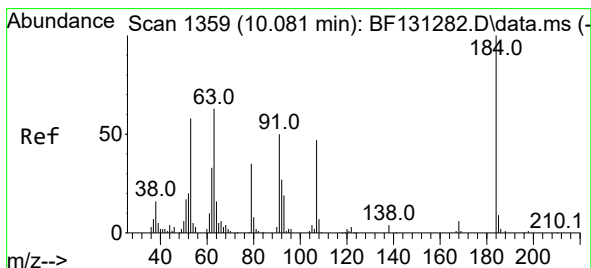
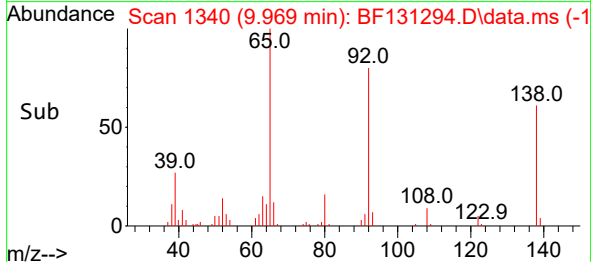
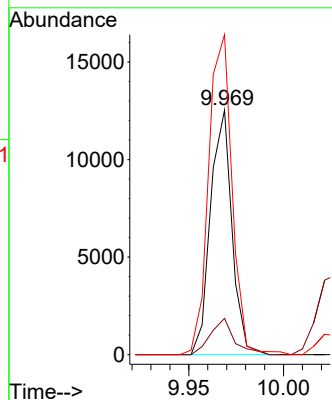
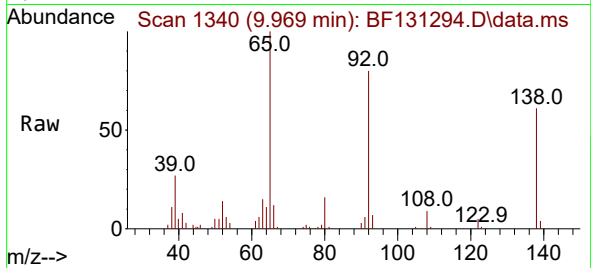




#53
3-Nitroaniline
Concen: 5.075 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

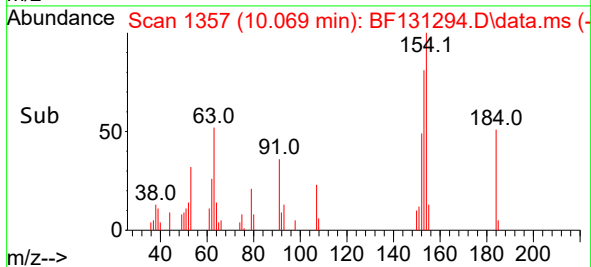
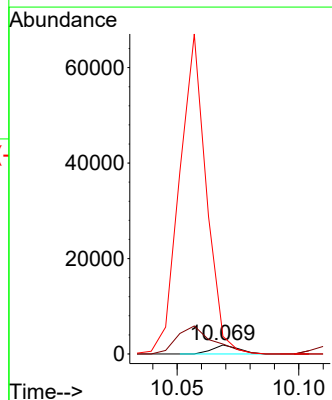
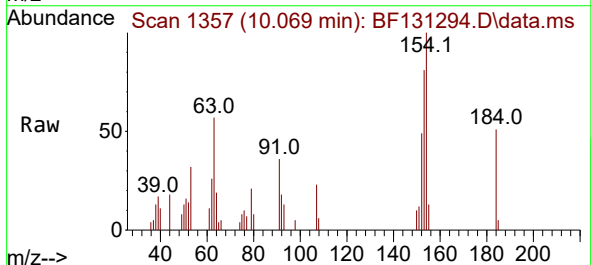
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

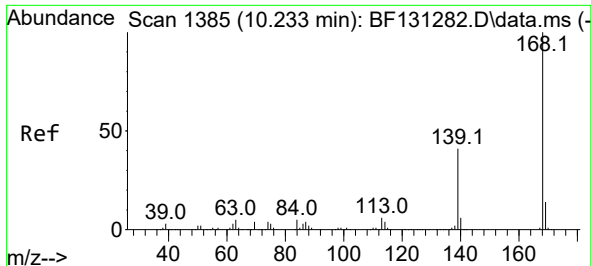
Tgt Ion:138 Resp: 9871
Ion Ratio Lower Upper
138 100
108 14.9 11.1 16.7
92 130.8 105.4 158.2



#54
2,4-Dinitrophenol
Concen: 2.199 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:184 Resp: 1424
Ion Ratio Lower Upper
184 100
63 110.3 64.8 97.2#
154 194.3 58.0 87.0#

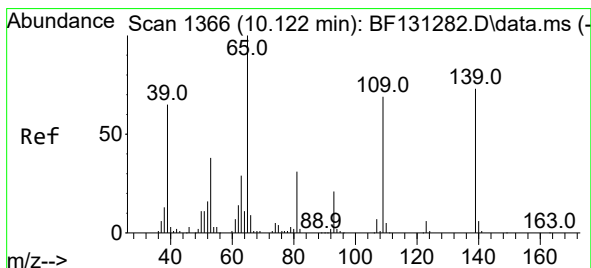
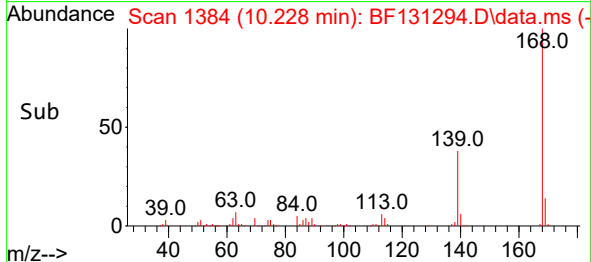
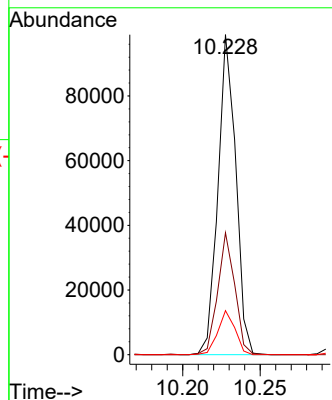
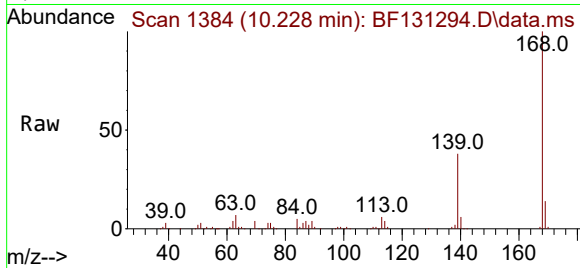




#55
Dibenzofuran
Concen: 5.965 ng
RT: 10.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

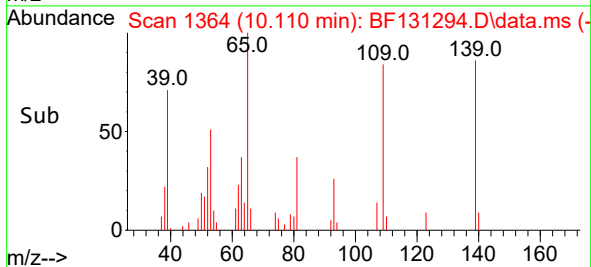
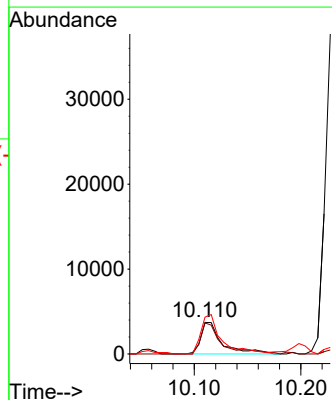
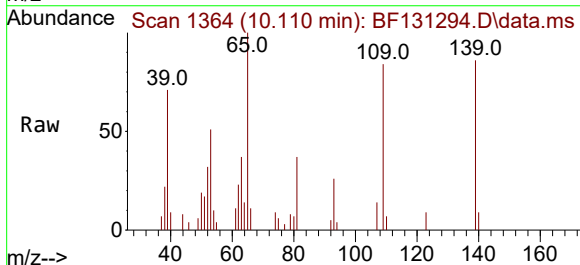
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

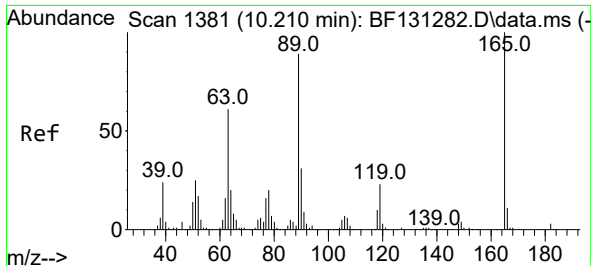
Tgt Ion:168 Resp: 78985
Ion Ratio Lower Upper
168 100
139 38.1 33.2 49.8
169 13.8 11.0 16.4



#56
4-Nitrophenol
Concen: 3.541 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:139 Resp: 5183
Ion Ratio Lower Upper
139 100
109 98.4 74.2 114.2
65 116.7 116.8 156.8#

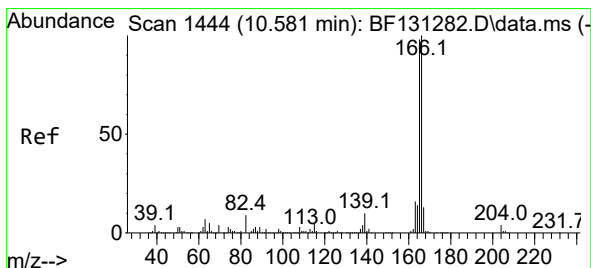
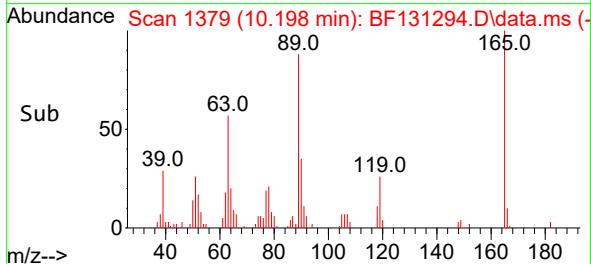
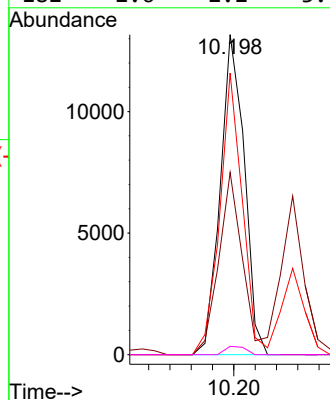
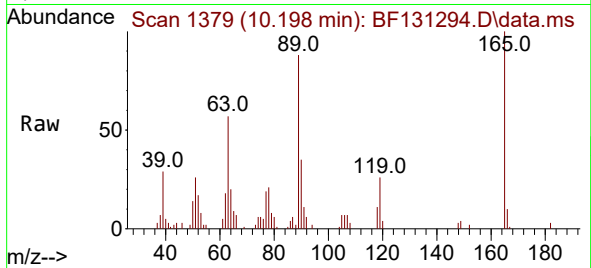




#57
2,4-Dinitrotoluene
Concen: 4.646 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

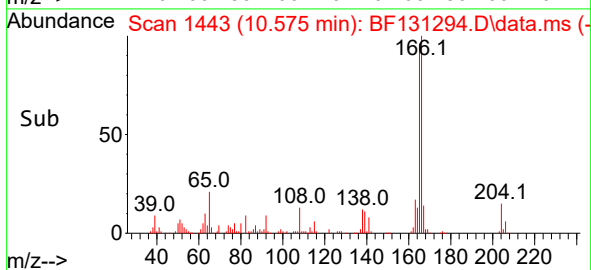
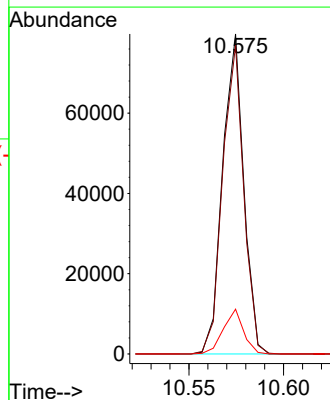
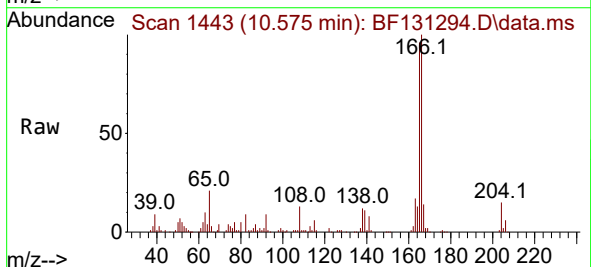
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

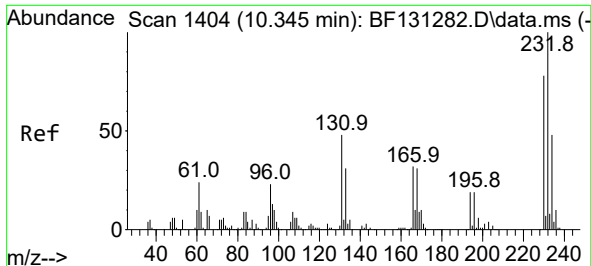
Tgt Ion:165 Resp: 10325
Ion Ratio Lower Upper
165 100
63 56.9 49.0 73.6
89 88.0 71.1 106.7
182 2.6 2.2 3.4



#58
Fluorene
Concen: 5.876 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:166 Resp: 61784
Ion Ratio Lower Upper
166 100
165 96.5 78.2 117.2
167 14.0 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.436 ng

RT: 10.339 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:232 Resp: 12306

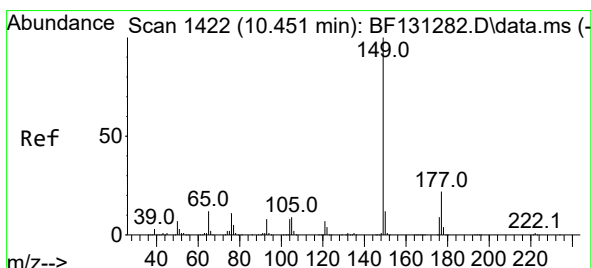
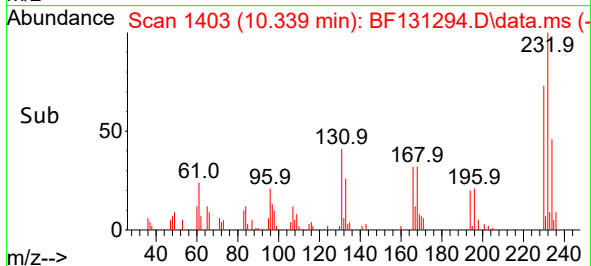
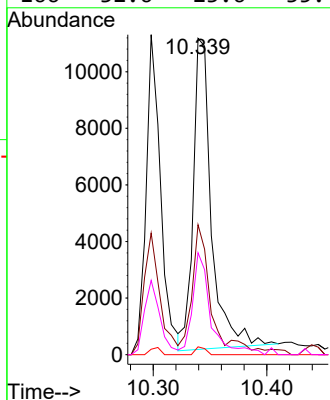
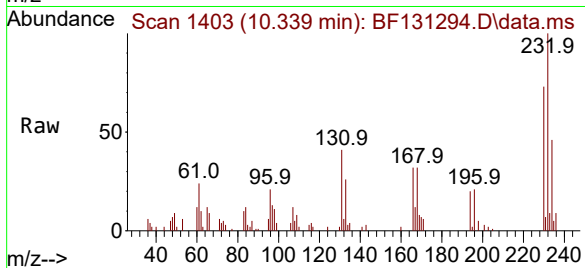
Ion Ratio Lower Upper

232 100

131 45.5 36.0 54.0

130 1.4 1.8 2.6#

166 32.6 23.6 35.4



#60

Diethylphthalate

Concen: 5.569 ng

RT: 10.439 min Scan# 1420

Delta R.T. -0.012 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

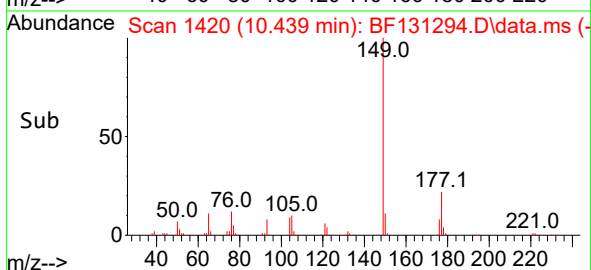
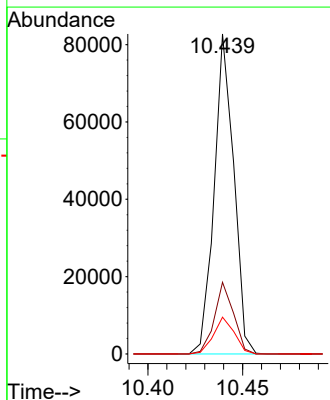
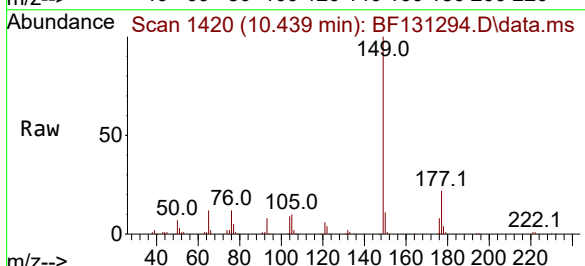
Tgt Ion:149 Resp: 59447

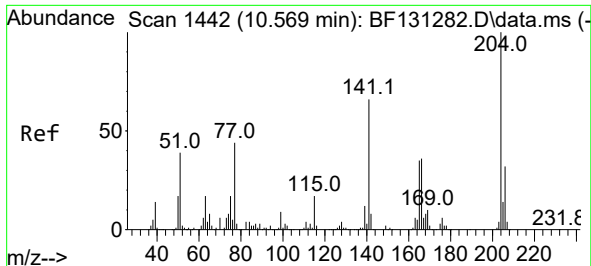
Ion Ratio Lower Upper

149 100

177 22.4 17.9 26.9

150 11.5 9.8 14.6

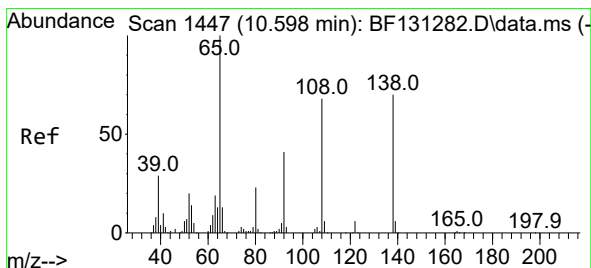
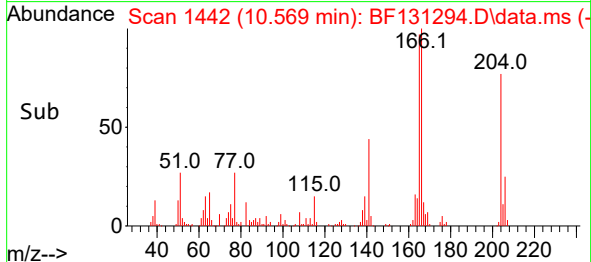
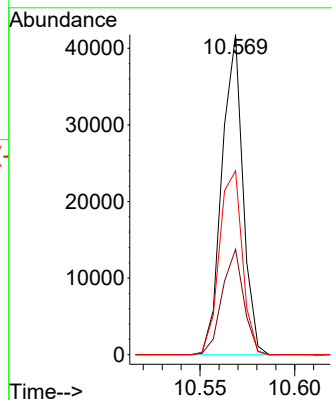
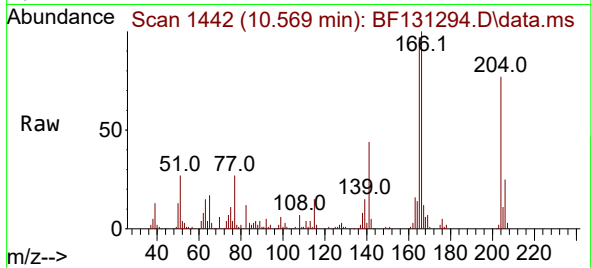




#61
4-Chlorophenyl-phenylether
Concen: 6.021 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

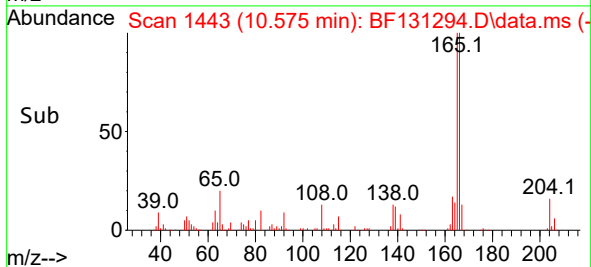
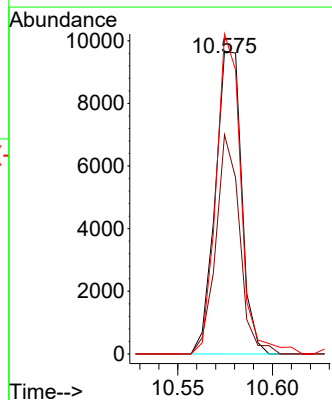
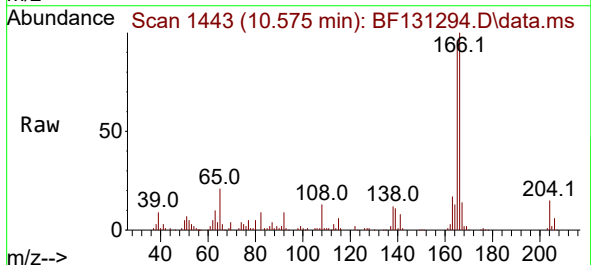
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

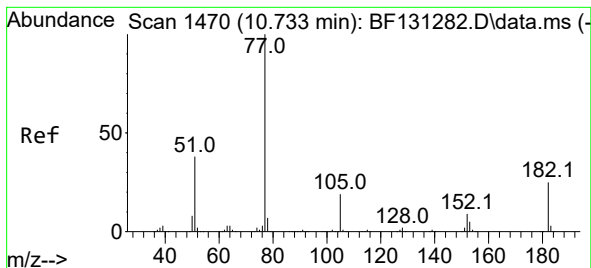
Tgt Ion:204 Resp: 32098
Ion Ratio Lower Upper
204 100
206 33.0 25.7 38.5
141 57.4 53.1 79.7



#62
4-Nitroaniline
Concen: 4.720 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.023 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:138 Resp: 9328
Ion Ratio Lower Upper
138 100
92 72.4 37.5 77.5
108 105.7 76.3 116.3





#63

Azobenzene

Concen: 5.522 ng

RT: 10.728 min Scan# 1470

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 77 Resp: 61223

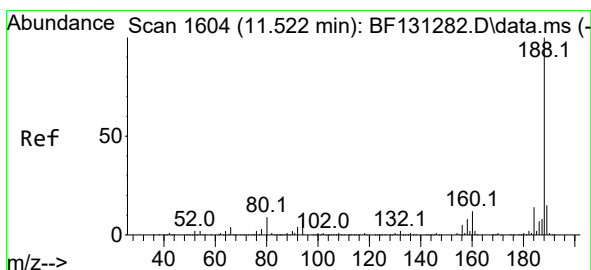
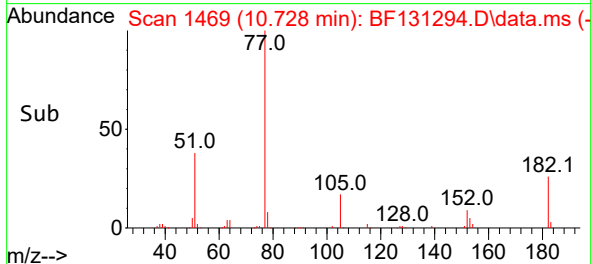
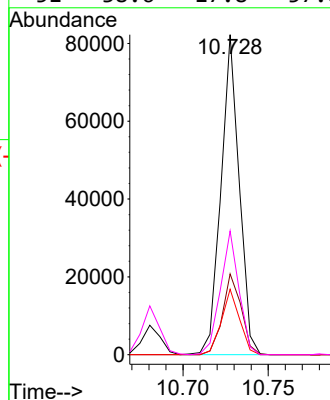
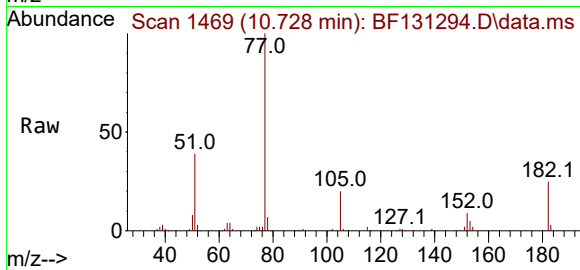
Ion Ratio Lower Upper

77 100

182 25.3 5.0 45.0

105 20.5 0.0 39.5

51 38.6 17.8 57.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

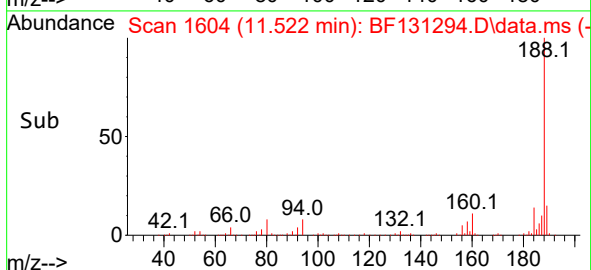
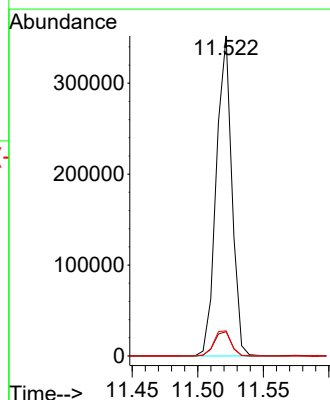
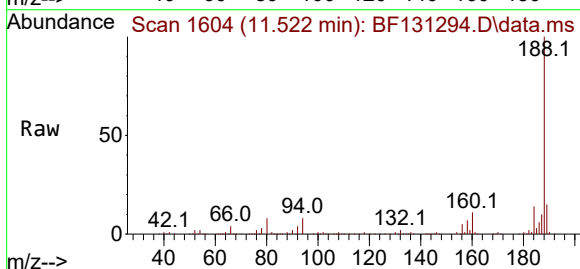
Tgt Ion:188 Resp: 290237

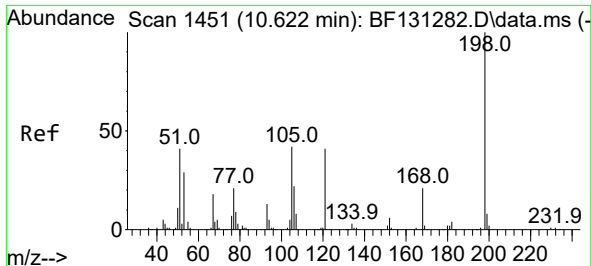
Ion Ratio Lower Upper

188 100

94 7.6 6.5 9.7

80 7.9 7.2 10.8

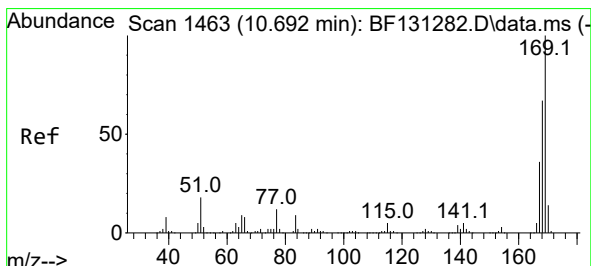
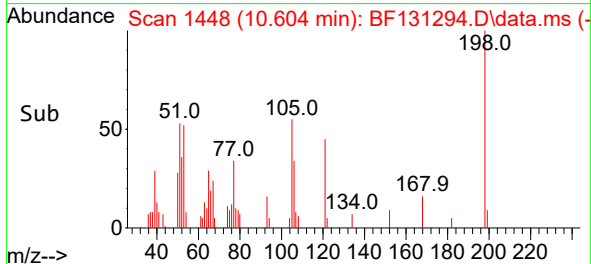
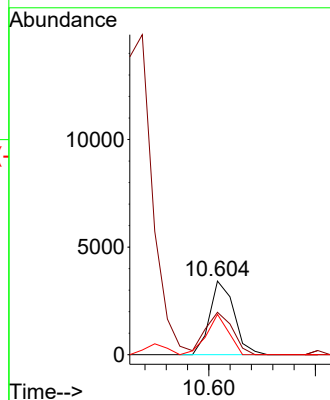
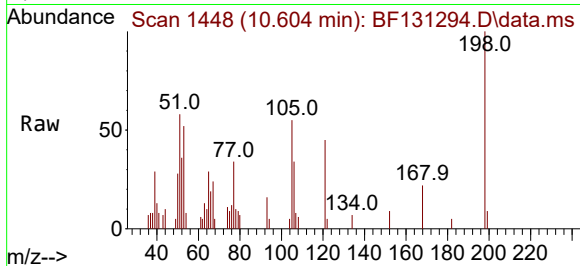




#65
4,6-Dinitro-2-methylphenol
Concen: 2.694 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

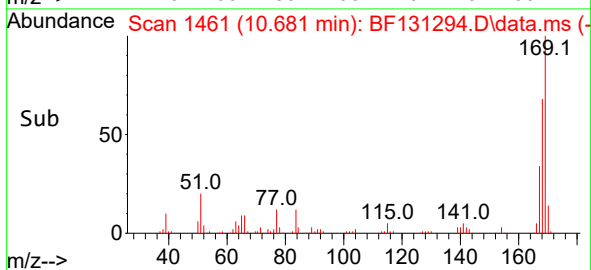
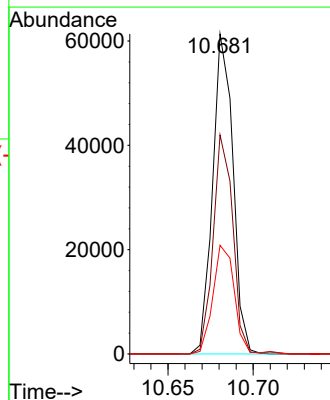
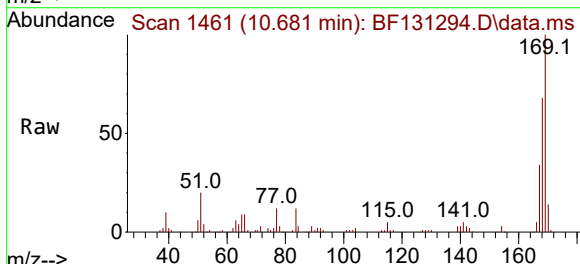
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

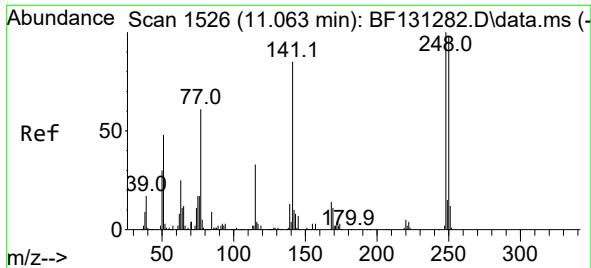
Tgt Ion:198 Resp: 2711
Ion Ratio Lower Upper
198 100
51 57.7 35.7 75.7
105 54.9 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 5.447 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:169 Resp: 50945
Ion Ratio Lower Upper
169 100
168 68.4 53.8 80.6
167 33.9 28.9 43.3

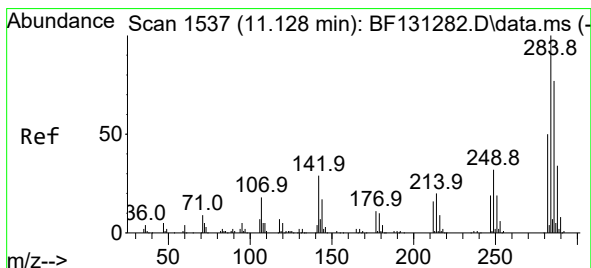
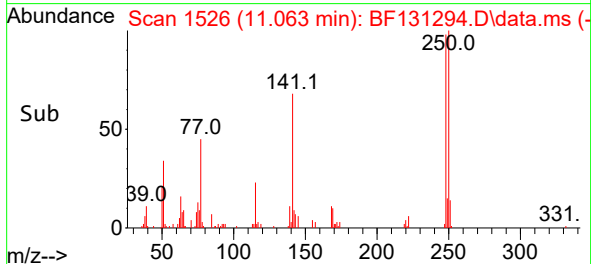
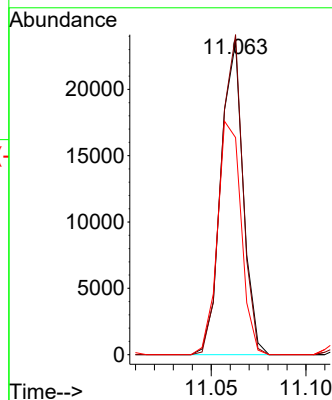
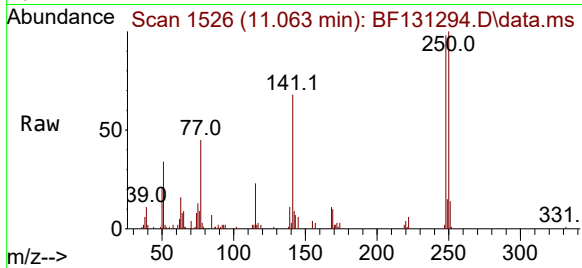




#67
4-Bromophenyl-phenylether
Concen: 5.551 ng
RT: 11.063 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

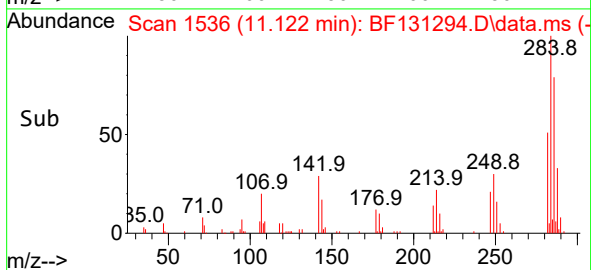
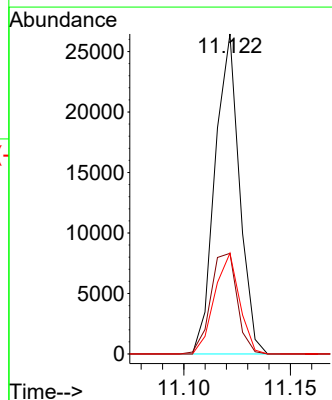
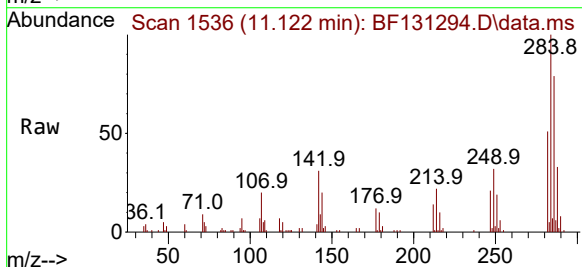
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

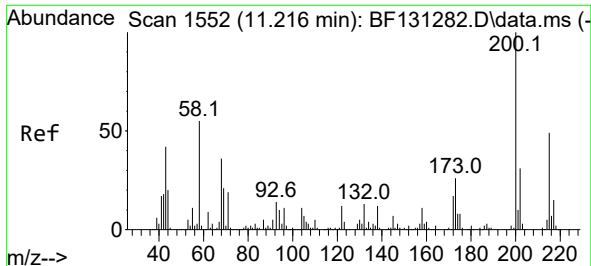
Tgt Ion:248 Resp: 19333
Ion Ratio Lower Upper
248 100
250 102.3 78.3 117.5
141 69.4 67.6 101.4



#68
Hexachlorobenzene
Concen: 5.579 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:284 Resp: 21079
Ion Ratio Lower Upper
284 100
142 31.4 23.4 35.2
249 31.5 25.7 38.5

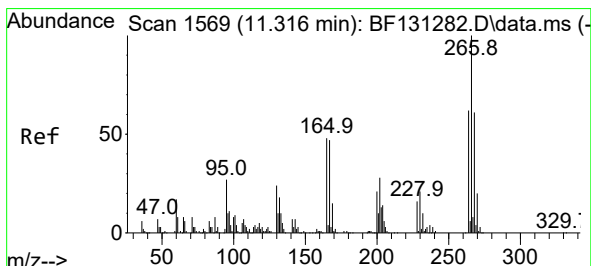
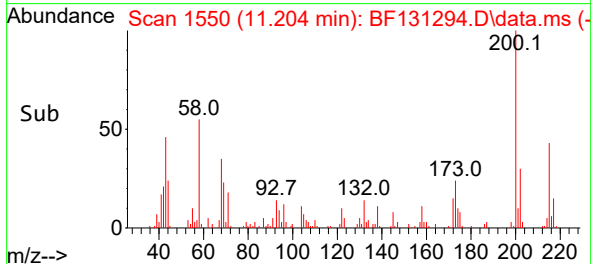
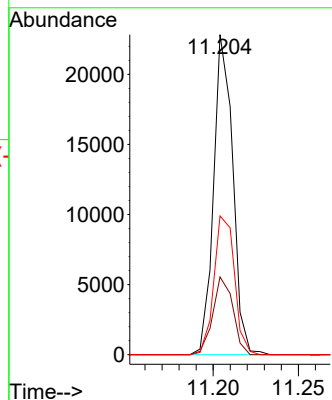
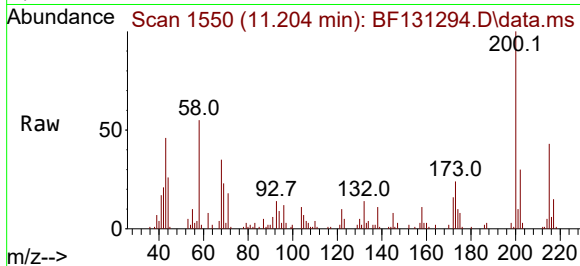




#69
 Atrazine
 Concen: 5.971 ng
 RT: 11.204 min Scan# 1550
 Delta R.T. -0.012 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

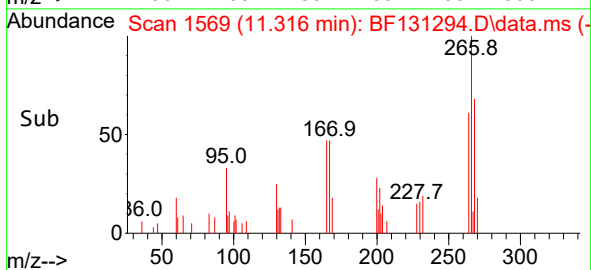
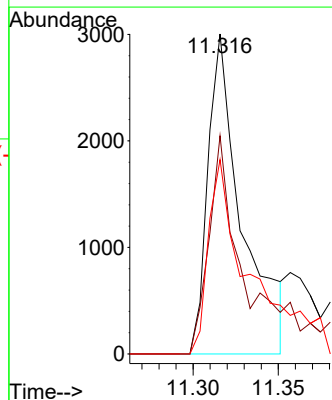
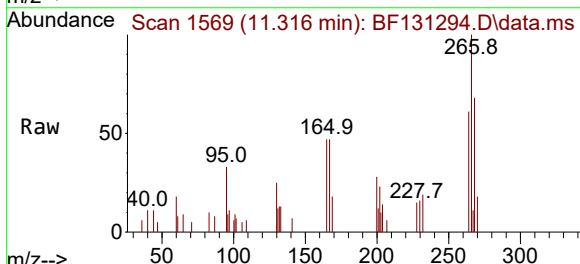
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

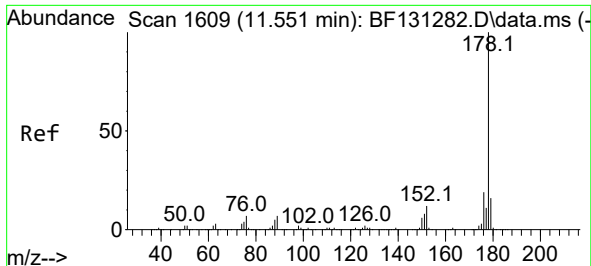
Tgt Ion:200 Resp: 17817
 Ion Ratio Lower Upper
 200 100
 173 24.3 6.0 46.0
 215 43.4 29.0 69.0



#70
 Pentachlorophenol
 Concen: 2.070 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

Tgt Ion:266 Resp: 4179
 Ion Ratio Lower Upper
 266 100
 268 68.2 49.0 73.4
 264 60.8 49.7 74.5

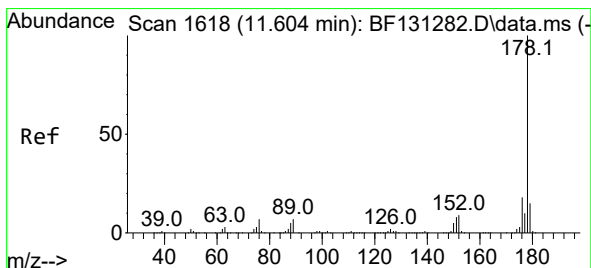
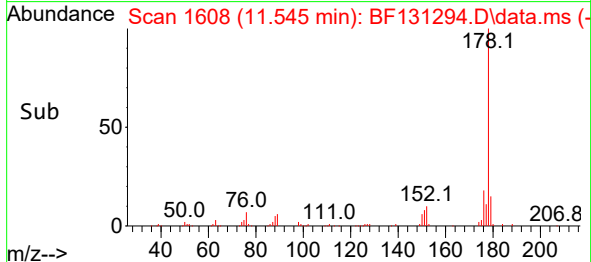
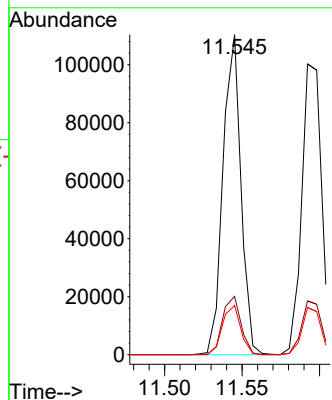
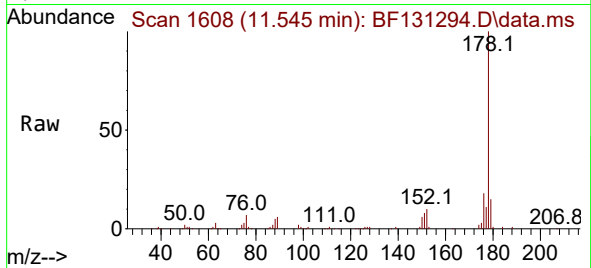




#71
Phenanthrene
Concen: 5.536 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

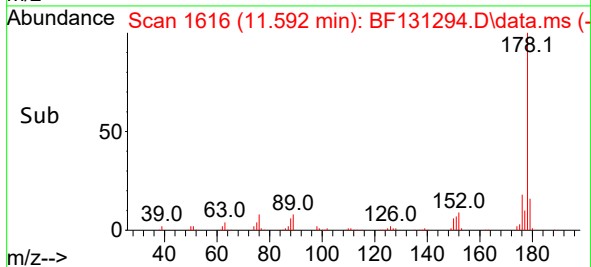
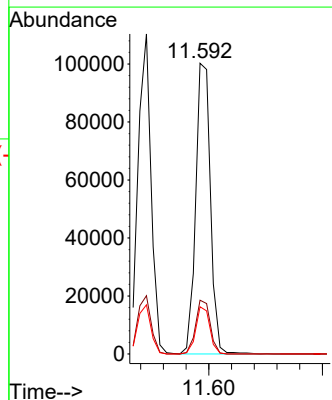
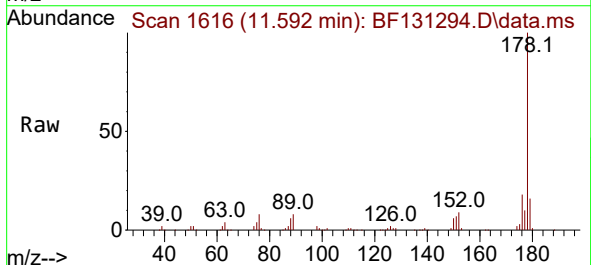
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

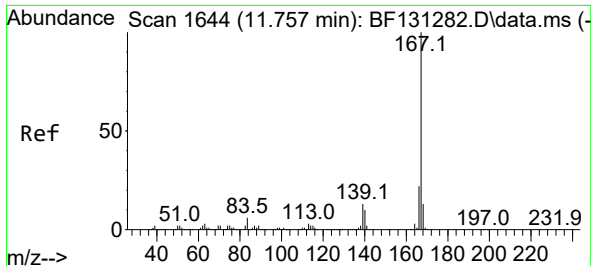
Tgt Ion:178 Resp: 88845
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.3 12.4 18.6



#72
Anthracene
Concen: 5.776 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:178 Resp: 90651
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 16.3 12.0 18.0

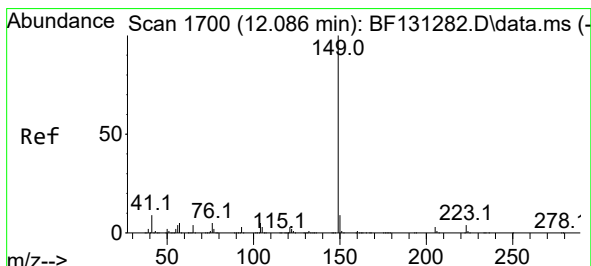
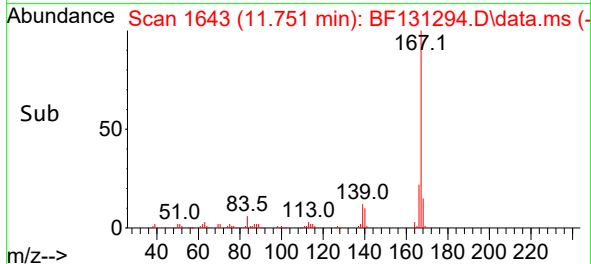
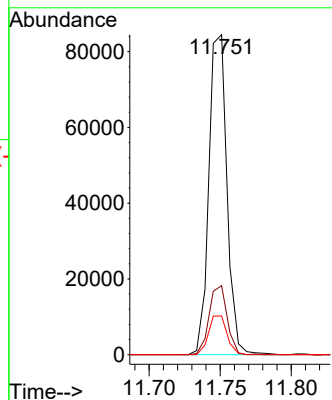
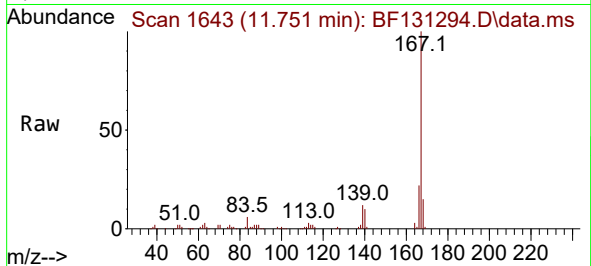




#73
 Carbazole
 Concen: 5.698 ng
 RT: 11.751 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

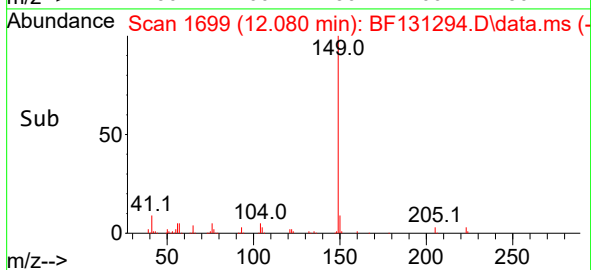
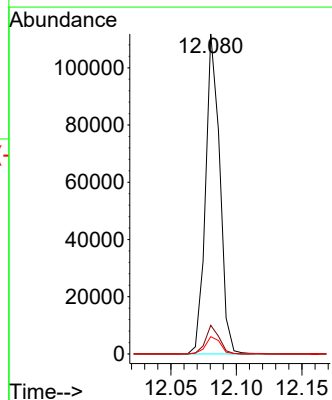
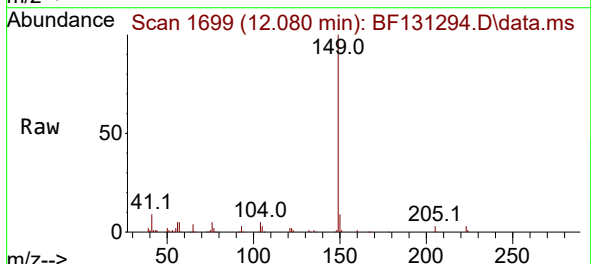
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

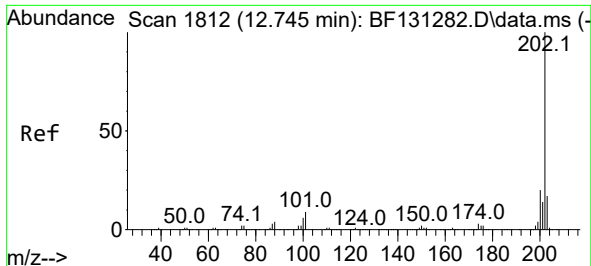
Tgt Ion:167 Resp: 75170
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 12.1 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 5.309 ng
 RT: 12.080 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

Tgt Ion:149 Resp: 84571
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.1 10.7
 104 5.4 4.3 6.5

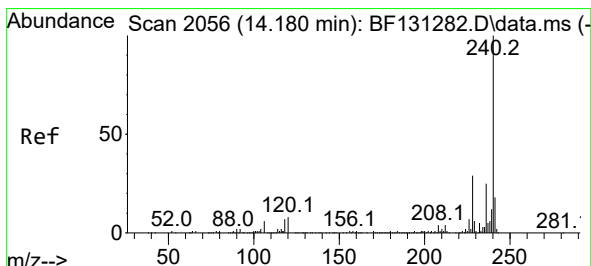
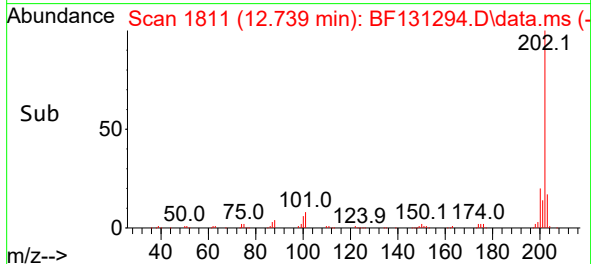
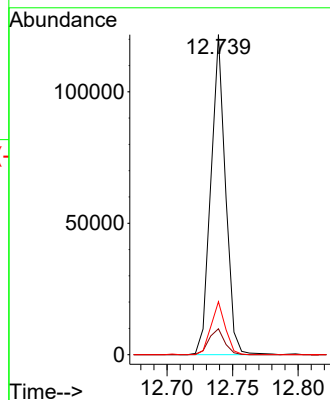
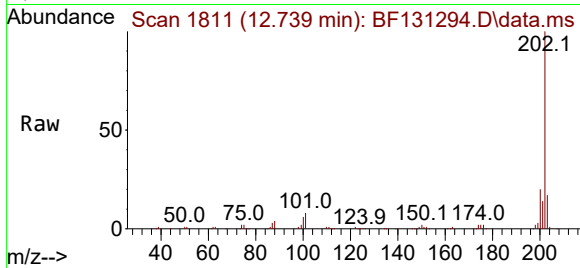




#75
 Fluoranthene
 Concen: 5.686 ng
 RT: 12.739 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

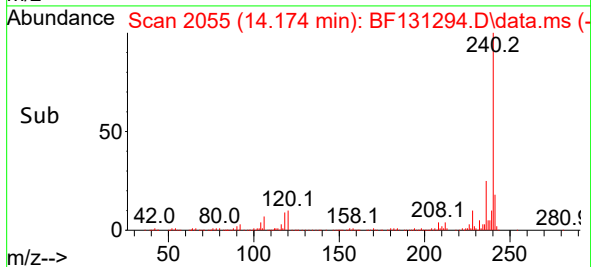
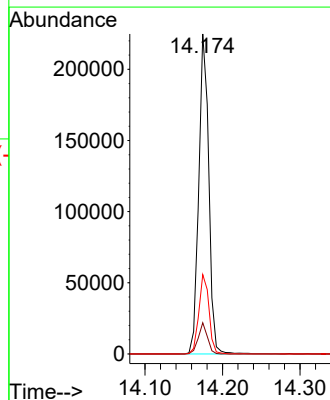
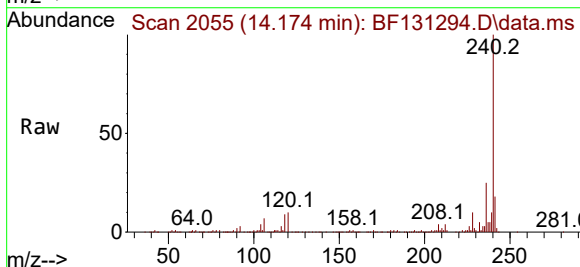
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

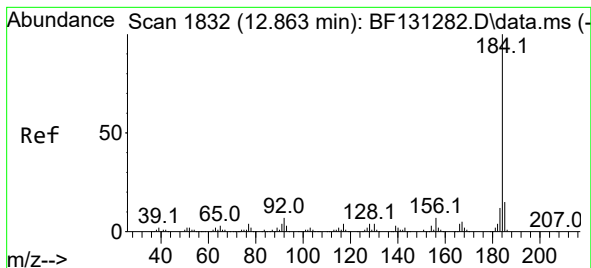
Tgt Ion:202 Resp: 94695
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 28.5
 203 16.5 0.0 37.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.174 min Scan# 2055
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

Tgt Ion:240 Resp: 200929
 Ion Ratio Lower Upper
 240 100
 120 9.8 6.2 9.2#
 236 24.8 19.8 29.6





#77

Benzidine

Concen: 7.519 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

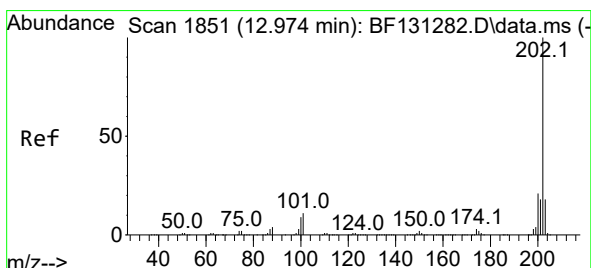
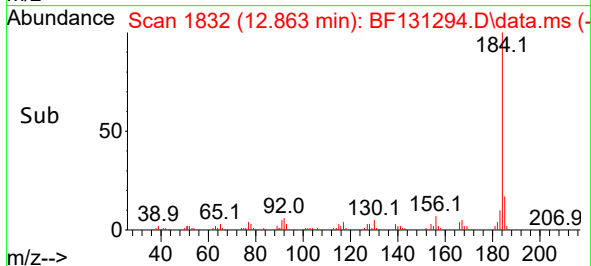
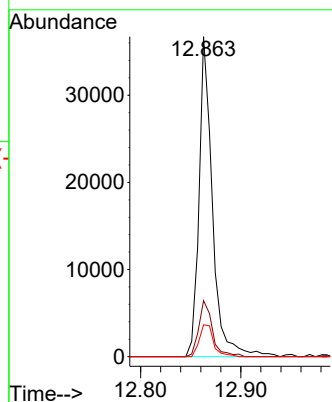
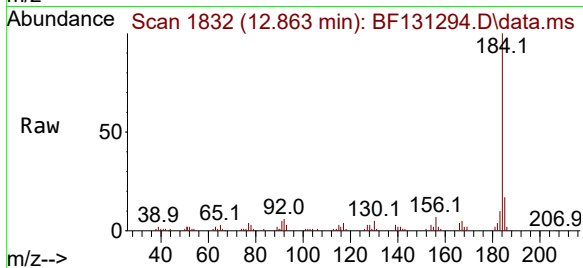
Tgt Ion:184 Resp: 34170

Ion Ratio Lower Upper

184 100

185 17.5 12.3 18.5

183 10.0 9.3 13.9



#78

Pyrene

Concen: 4.870 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

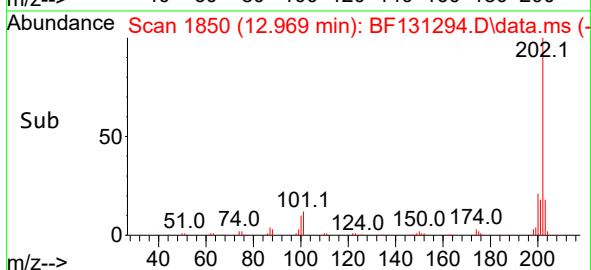
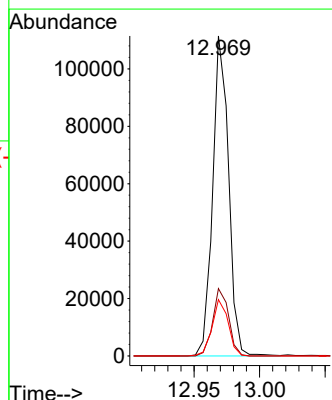
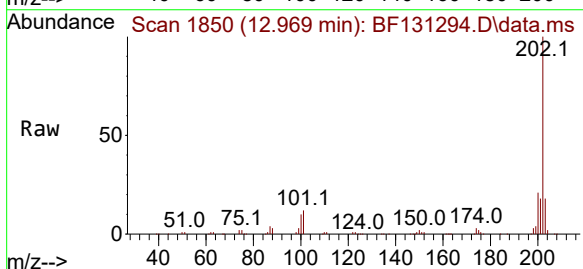
Tgt Ion:202 Resp: 94150

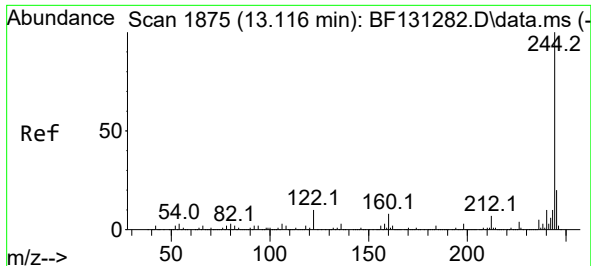
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.6 14.3 21.5

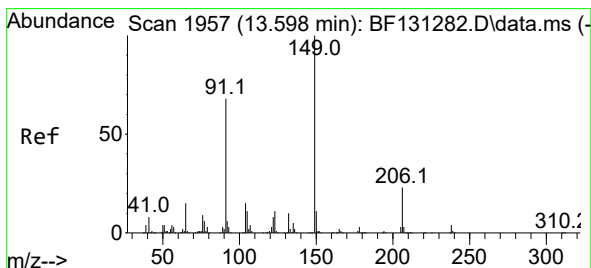
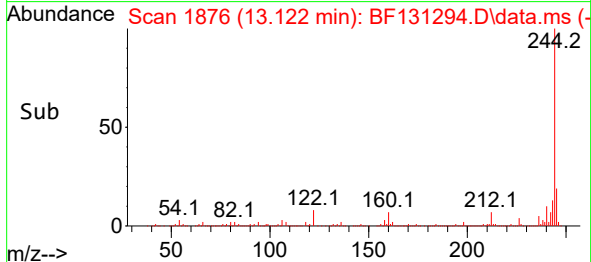
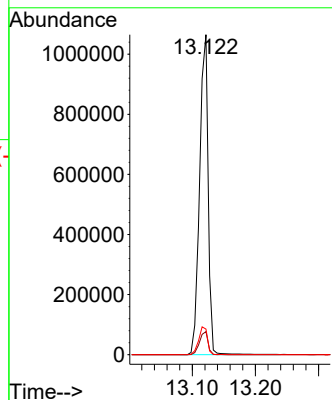
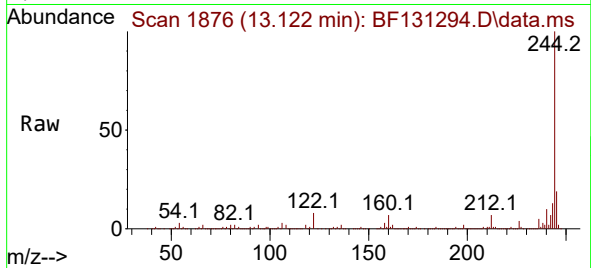




#79
 Terphenyl-d14
 Concen: 74.130 ng
 RT: 13.122 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

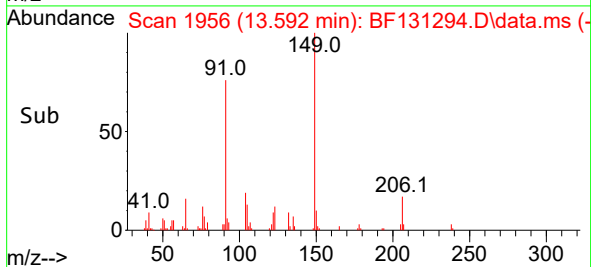
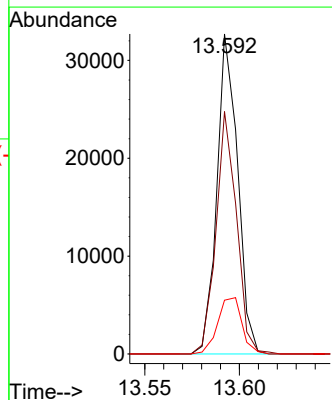
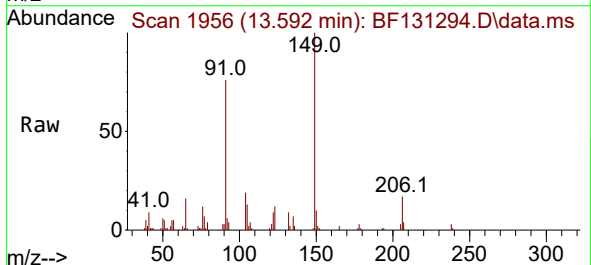
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

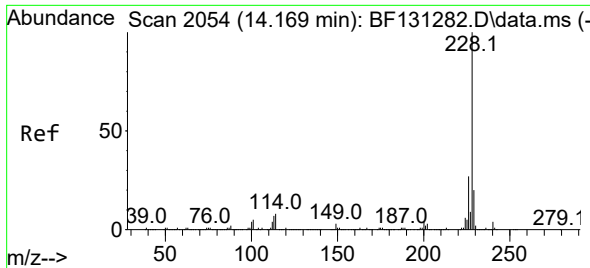
Tgt Ion:244 Resp: 996467
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.0 7.8 11.8



#80
 Butylbenzylphthalate
 Concen: 4.256 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

Tgt Ion:149 Resp: 24888
 Ion Ratio Lower Upper
 149 100
 91 75.7 54.6 82.0
 206 16.8 18.1 27.1#

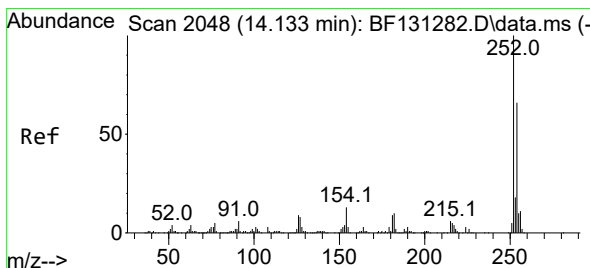
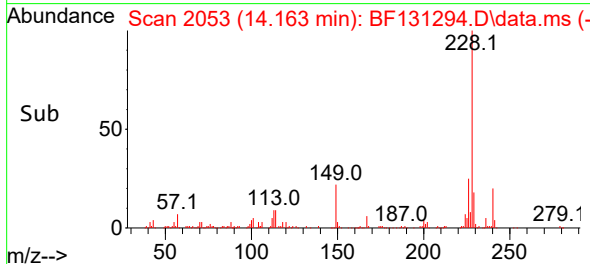
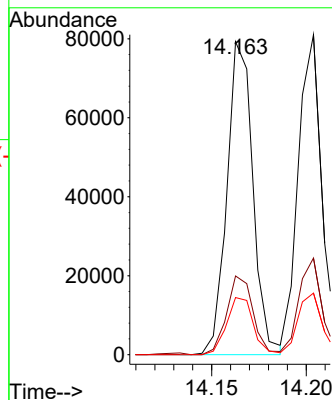
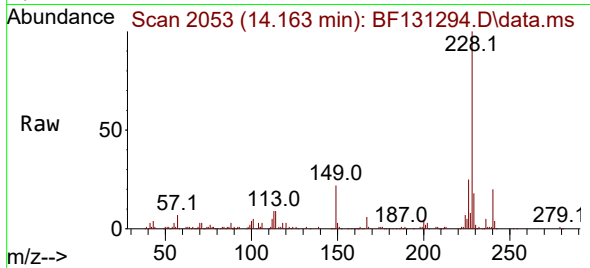




#81
Benzo(a)anthracene
Concen: 5.352 ng
RT: 14.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

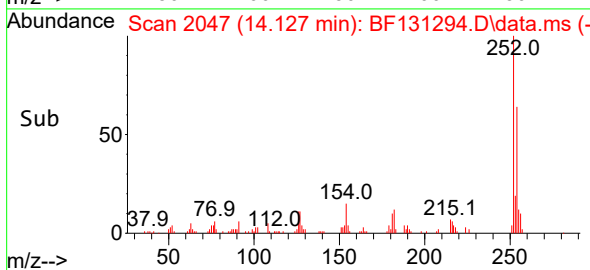
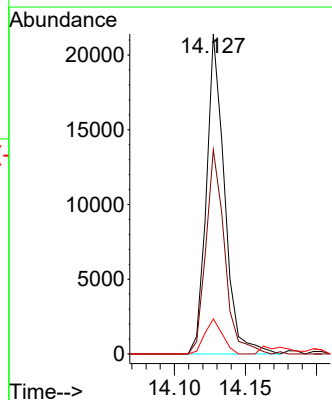
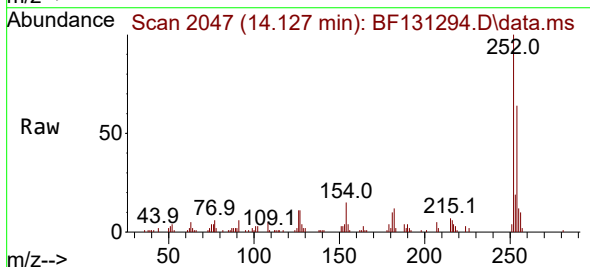
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

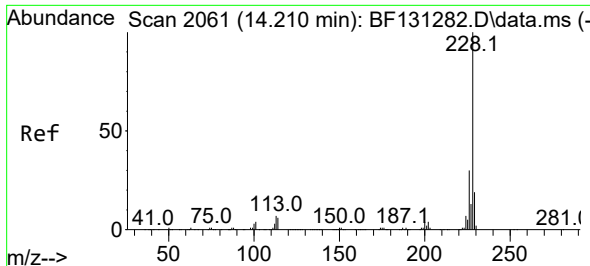
Tgt Ion:228 Resp: 75813
Ion Ratio Lower Upper
228 100
226 25.2 21.5 32.3
229 18.2 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 5.059 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:252 Resp: 19027
Ion Ratio Lower Upper
252 100
254 63.8 52.6 78.8
126 10.9 7.0 10.6#

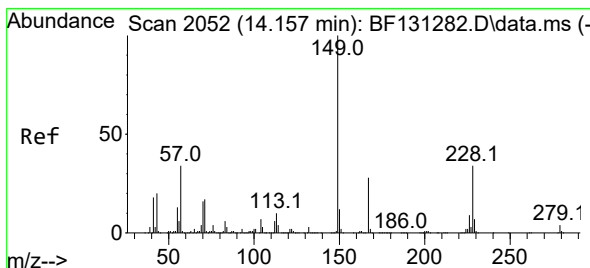
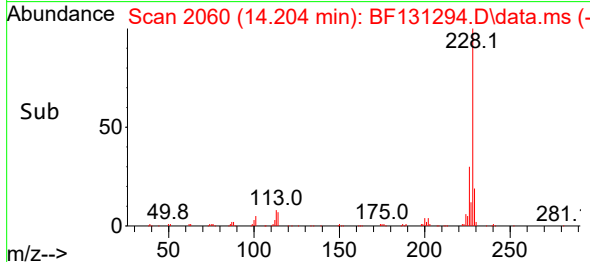
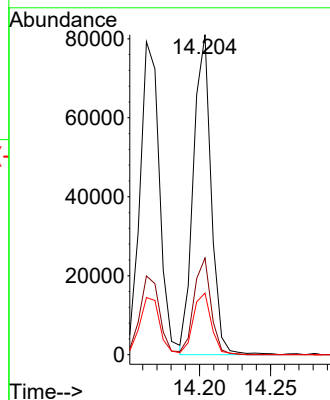
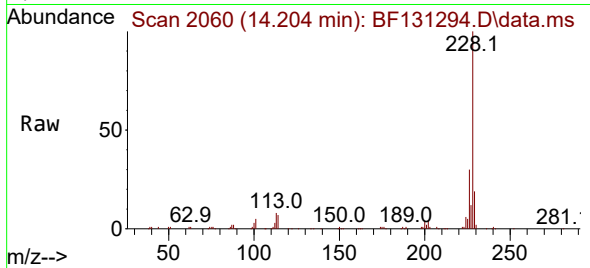




#83
Chrysene
Concen: 5.203 ng
RT: 14.204 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

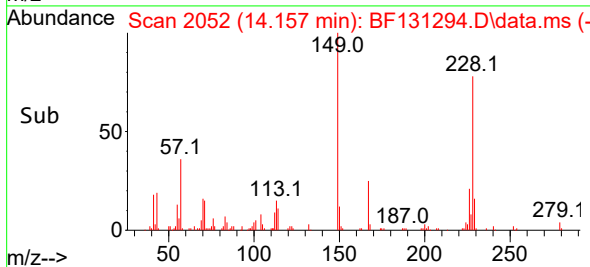
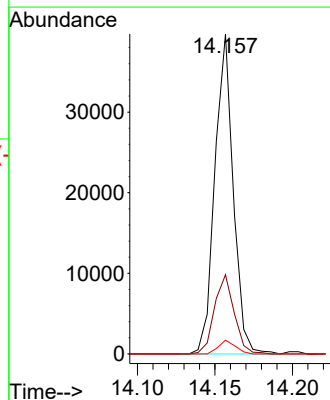
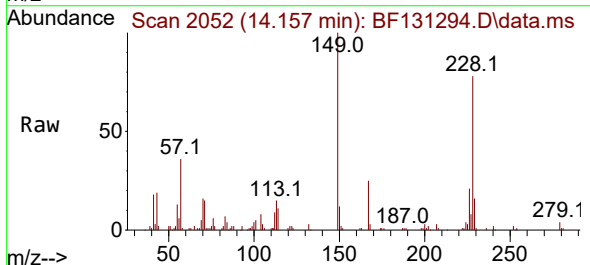
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

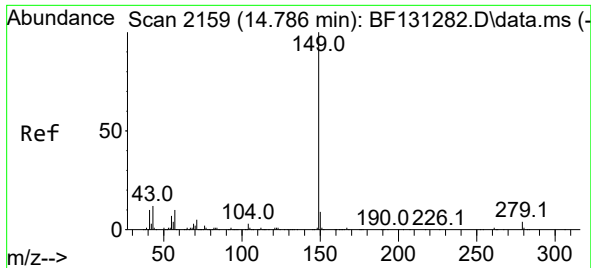
Tgt Ion:	228	Resp:	70495
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	19.3	15.2	22.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.819 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:	149	Resp:	32803
Ion Ratio	Lower	Upper	
149	100		
167	24.8	22.2	33.4
279	4.3	3.4	5.2

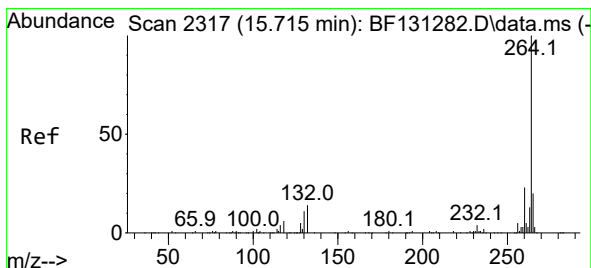
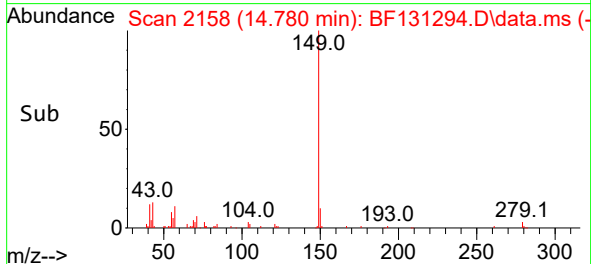
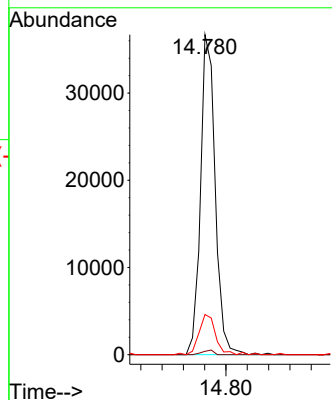
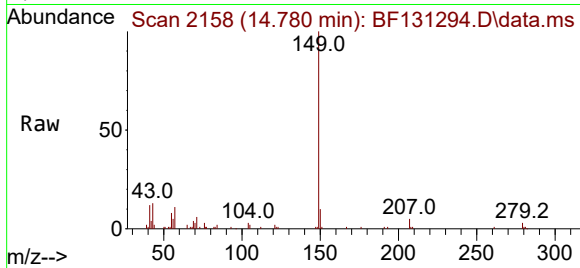




#85
Di-n-octyl phthalate
Concen: 3.649 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

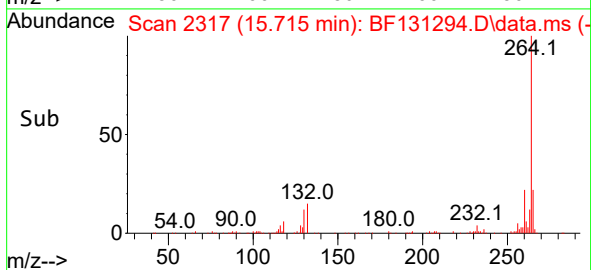
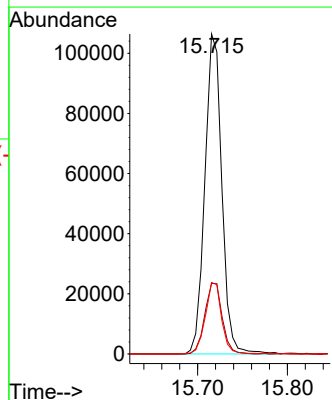
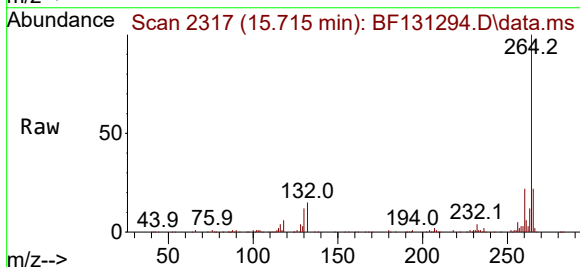
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022

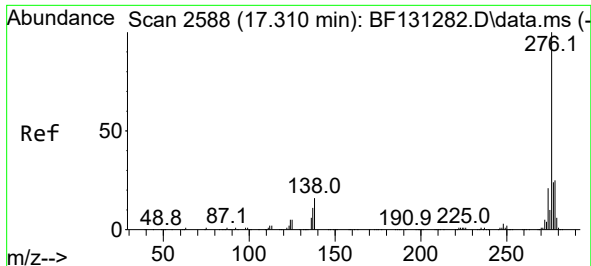
Tgt Ion:149 Resp: 35258
Ion Ratio Lower Upper
149 100
167 1.1 1.2 1.8#
43 14.4 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:264 Resp: 139706
Ion Ratio Lower Upper
264 100
260 22.1 18.7 28.1
265 22.3 16.2 24.4

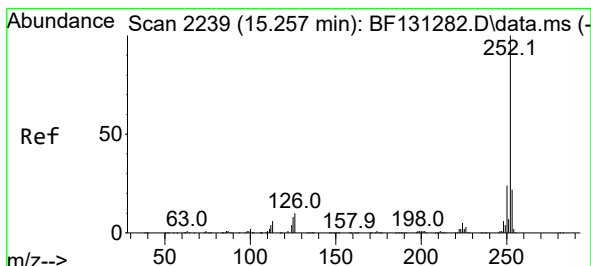
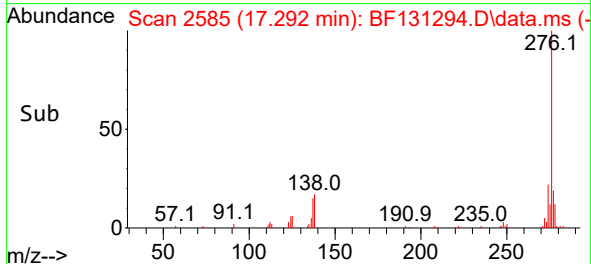
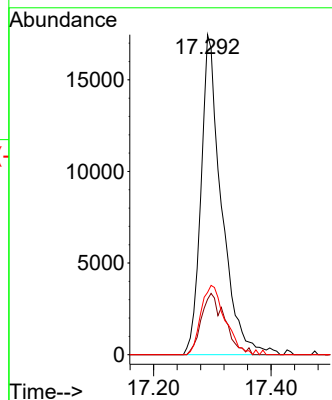
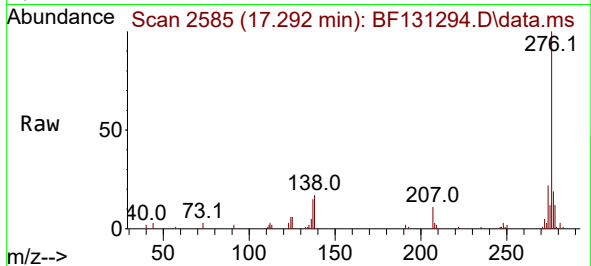




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.004 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

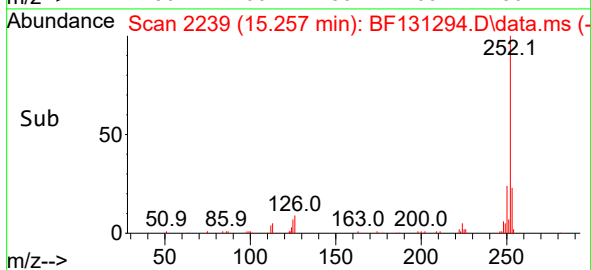
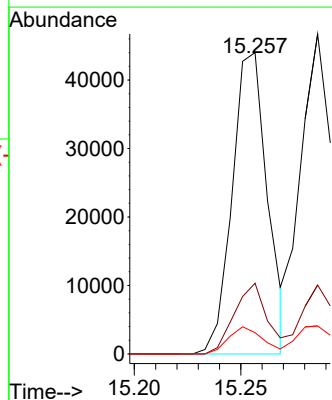
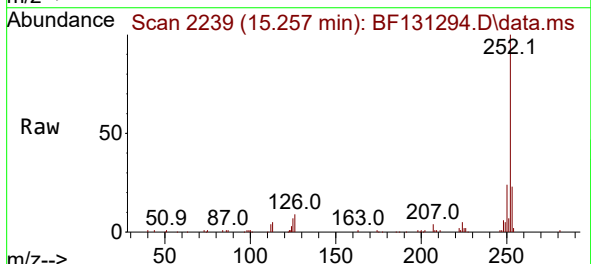
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

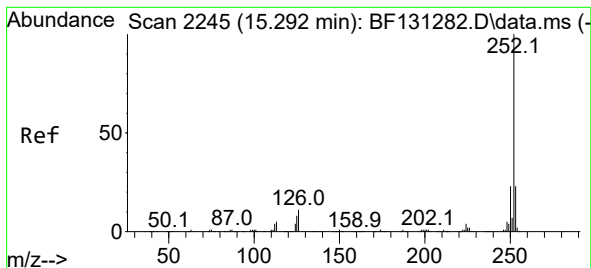
Tgt Ion:276 Resp: 42424
Ion Ratio Lower Upper
276 100
138 22.1 15.1 22.7
277 25.4 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 5.394 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:252 Resp: 50719
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 7.1 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 5.451 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

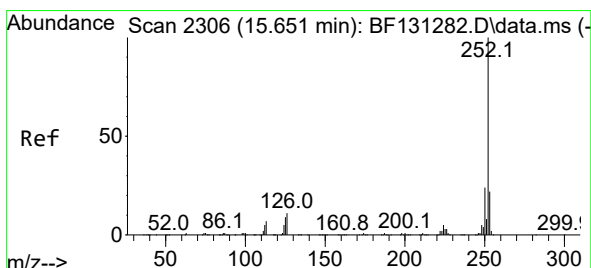
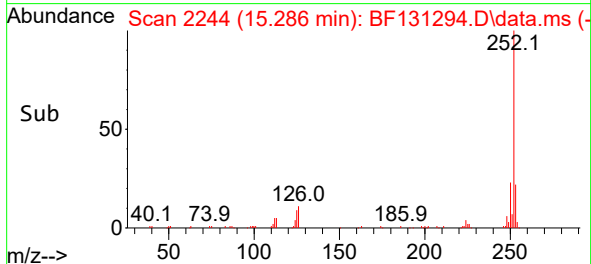
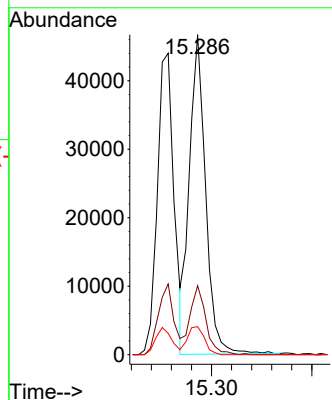
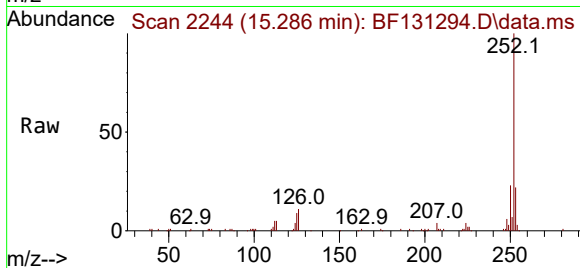
Tgt Ion:252 Resp: 52388

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

125 8.7 6.5 9.7



#90

Benzo(a)pyrene

Concen: 5.368 ng

RT: 15.651 min Scan# 2306

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

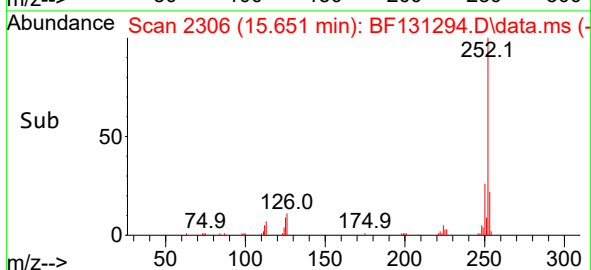
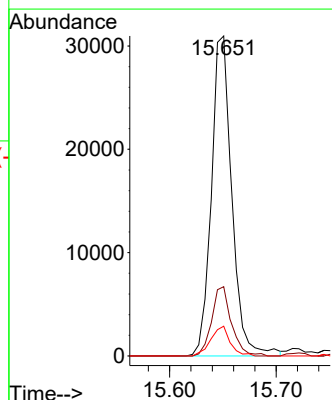
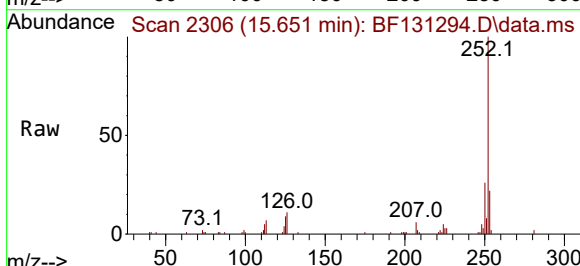
Tgt Ion:252 Resp: 41437

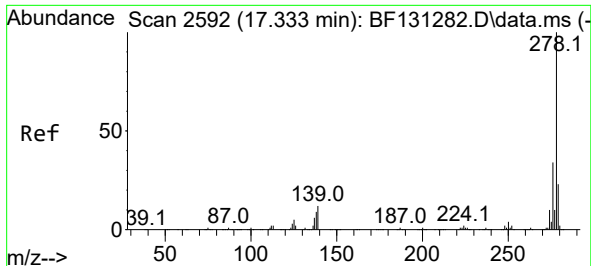
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 9.3 7.2 10.8

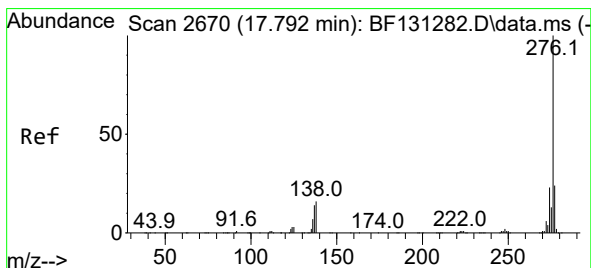
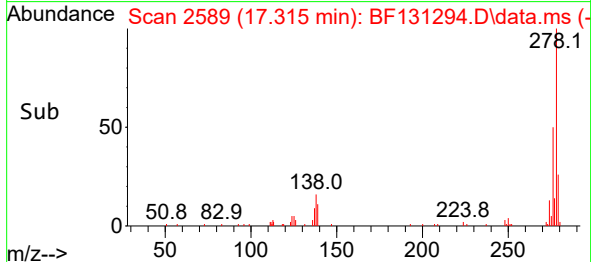
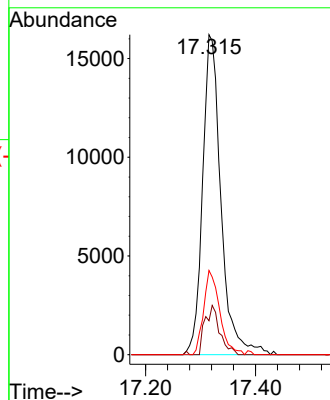
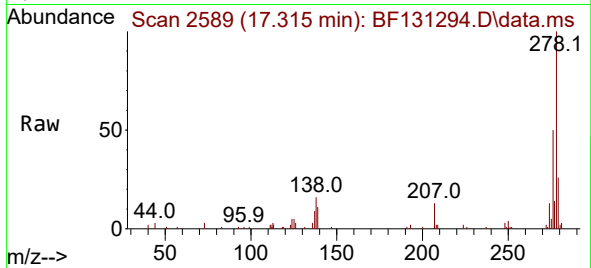




#91
Dibenzo(a,h)anthracene
Concen: 4.312 ng
RT: 17.315 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:278 Resp: 37597
Ion Ratio Lower Upper
278 100
139 10.6 10.0 15.0
279 26.3 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 4.347 ng
RT: 17.774 min Scan# 2667
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:276 Resp: 38323
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 17.4 13.0 19.6

