

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136597.D
 Acq On : 15 Dec 2023 17:29
 Operator : CG\JU
 Sample : 05624-03MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

Quant Time: Dec 16 02:04:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	99349	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	357926	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	155922	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	249938	20.000	ng	0.00
76) Chrysene-d12	13.968	240	225312	20.000	ng	0.00
86) Perylene-d12	15.439	264	221214	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	613183	91.150	ng	0.01
7) Phenol-d6	6.439	99	717726	85.513	ng	0.00
23) Nitrobenzene-d5	7.351	82	435455	65.770	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	162553	84.552	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	820809	71.830	ng	0.00
79) Terphenyl-d14	12.904	244	751251	43.947	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.604	88	96011	36.083	ng	96
3) Pyridine	3.357	79	229368	35.596	ng	93
4) n-Nitrosodimethylamine	3.322	42	104663	37.386	ng	94
6) Aniline	6.451	93	203766	24.022	ng	# 3
8) 2-Chlorophenol	6.575	128	270188	36.790	ng	98
9) Benzaldehyde	6.339	77	103957	21.901	ng	96
10) Phenol	6.451	94	313056	35.052	ng	91
11) bis(2-Chloroethyl)ether	6.528	93	249632	37.498	ng	97
12) 1,3-Dichlorobenzene	6.728	146	296895	35.947	ng	97
13) 1,4-Dichlorobenzene	6.804	146	301089	35.937	ng	98
14) 1,2-Dichlorobenzene	6.957	146	282105	35.807	ng	97
15) Benzyl Alcohol	6.934	79	206185	36.685	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	294306	34.373	ng	93
17) 2-Methylphenol	7.051	107	203886	34.363	ng	95
18) Hexachloroethane	7.292	117	102088	34.901	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	167608	34.618	ng	95
20) 3+4-Methylphenols	7.204	107	252959	34.348	ng	# 72
22) Acetophenone	7.198	105	367997	41.635	ng	97
24) Nitrobenzene	7.369	77	250632	37.630	ng	98
25) Isophorone	7.604	82	443865	37.315	ng	98
26) 2-Nitrophenol	7.686	139	131116	40.043	ng	89
27) 2,4-Dimethylphenol	7.728	122	186258	46.132	ng	100
28) bis(2-Chloroethoxy)met...	7.822	93	288383	39.454	ng	99
29) 2,4-Dichlorophenol	7.928	162	199457	37.427	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	237633	38.240	ng	98
31) Naphthalene	8.086	128	744278	37.708	ng	99
32) Benzoic acid	7.839	122	91371	22.813	ng	97
33) 4-Chloroaniline	8.139	127	89815	12.764	ng	97
34) Hexachlorobutadiene	8.204	225	138417	37.584	ng	96
35) Caprolactam	8.504	113	50908	31.019	ng	92
36) 4-Chloro-3-methylphenol	8.628	107	191963	33.925	ng	99
37) 2-Methylnaphthalene	8.780	142	449966	35.833	ng	94
38) 1-Methylnaphthalene	8.880	142	428820	34.801	ng	97
40) 1,2,4,5-Tetrachloroben...	8.945	216	219900	45.331	ng	99
41) Hexachlorocyclopentadiene	8.928	237	91510	50.919	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	128961	40.829	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136597.D
 Acq On : 15 Dec 2023 17:29
 Operator : CG\JU
 Sample : 05624-03MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

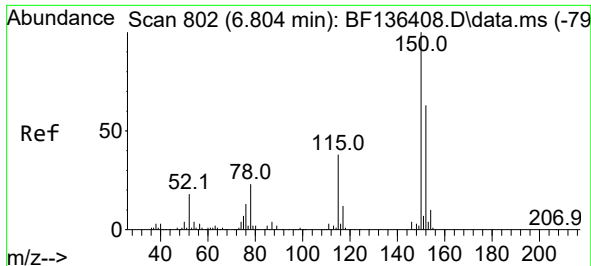
Quant Time: Dec 16 02:04:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	132224	37.507	ng	96
46) 1,1'-Biphenyl	9.245	154	573114	43.197	ng	97
47) 2-Chloronaphthalene	9.269	162	419152	40.591	ng	98
48) 2-Nitroaniline	9.369	65	107907	38.962	ng	90
49) Acenaphthylene	9.686	152	622864	42.343	ng	98
50) Dimethylphthalate	9.545	163	476285	41.490	ng	99
51) 2,6-Dinitrotoluene	9.610	165	101204	39.187	ng	99
52) Acenaphthene	9.857	154	368084	39.048	ng	95
53) 3-Nitroaniline	9.780	138	73649	27.927	ng	97
54) 2,4-Dinitrophenol	9.886	184	46844	35.875	ng #	86
55) Dibenzofuran	10.027	168	544155	39.515	ng	99
56) 4-Nitrophenol	9.951	139	133345	67.448	ng	98
57) 2,4-Dinitrotoluene	10.016	165	124856	36.546	ng	94
58) Fluorene	10.374	166	412329	37.301	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	100035	35.426	ng	98
60) Diethylphthalate	10.251	149	438944	38.885	ng	98
61) 4-Chlorophenyl-phenyle...	10.363	204	213365	39.594	ng	98
62) 4-Nitroaniline	10.392	138	80071	30.577	ng	96
63) Azobenzene	10.527	77	366349	35.656	ng	97
65) 4,6-Dinitro-2-methylph...	10.422	198	39371	25.435	ng	95
66) n-Nitrosodiphenylamine	10.486	169	355696	44.351	ng	97
67) 4-Bromophenyl-phenylether	10.857	248	122837	42.271	ng	97
68) Hexachlorobenzene	10.922	284	132510	39.454	ng #	91
69) Atrazine	11.016	200	113917	49.766	ng	98
70) Pentachlorophenol	11.121	266	130249	68.714	ng	96
71) Phenanthrene	11.339	178	550905	40.102	ng	98
72) Anthracene	11.386	178	554934	40.106	ng	98
73) Carbazole	11.545	167	483000	39.439	ng	99
74) Di-n-butylphthalate	11.880	149	605472	40.329	ng	99
75) Fluoranthene	12.527	202	588599	40.885	ng	96
77) Benzidine	12.657	184	199129	39.263	ng	99
78) Pyrene	12.763	202	621642	28.172	ng	98
80) Butylbenzylphthalate	13.386	149	254775	32.434	ng	94
81) Benzo(a)anthracene	13.957	228	629777	40.128	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	190347	43.257	ng	99
83) Chrysene	13.992	228	602555	39.023	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	360582	37.445	ng	98
85) Di-n-octyl phthalate	14.568	149	688526	48.406	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	447623	29.127	ng	99
88) Benzo(b)fluoranthene	15.009	252	603398	39.894	ng	98
89) Benzo(k)fluoranthene	15.039	252	567580	39.819	ng	97
90) Benzo(a)pyrene	15.380	252	493765	39.530	ng	98
91) Dibenzo(a,h)anthracene	16.962	278	381857	30.330	ng	99
92) Benzo(g,h,i)perylene	17.392	276	333964	25.843	ng	98

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

Quant Time: Dec 16 02:04:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
Response via : Initial Calibration

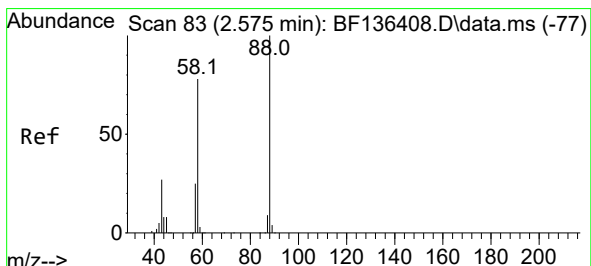
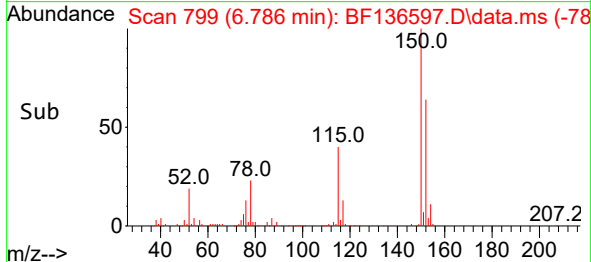
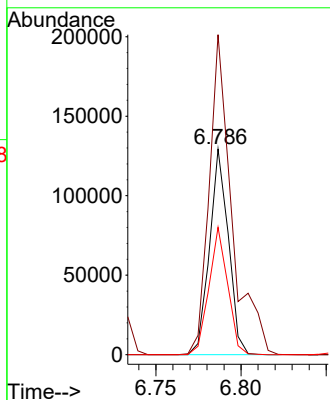
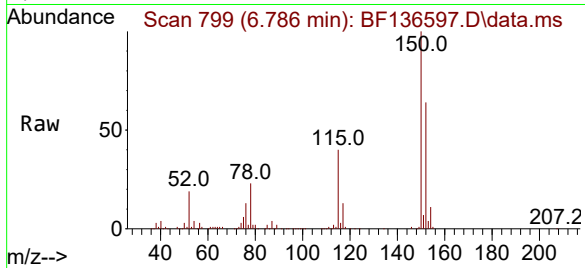




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 79
 Delta R.T. -0.001 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

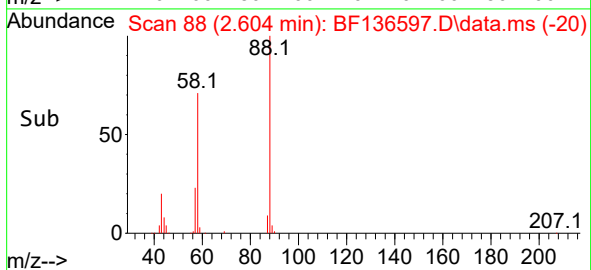
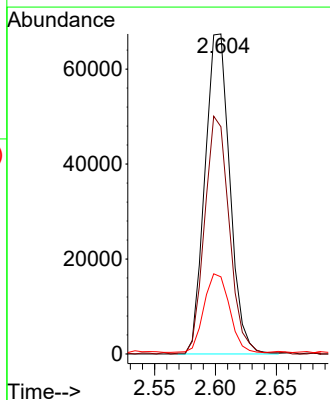
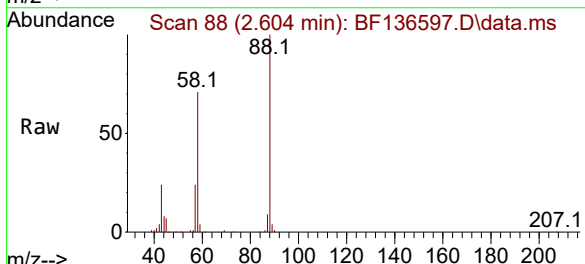
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

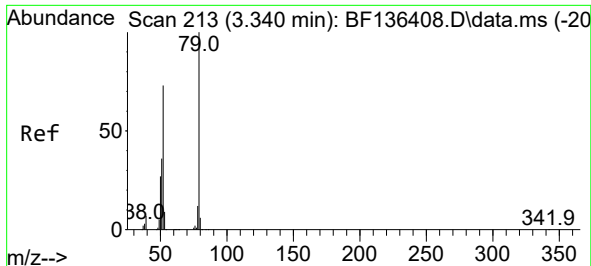
Tgt Ion:152 Resp: 99349
 Ion Ratio Lower Upper
 152 100
 150 155.6 126.4 189.6
 115 61.9 48.2 72.4



#2
 1,4-Dioxane
 Concen: 36.083 ng
 RT: 2.604 min Scan# 88
 Delta R.T. 0.053 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

Tgt Ion: 88 Resp: 96011
 Ion Ratio Lower Upper
 88 100
 58 73.8 62.2 93.2
 43 25.2 21.5 32.3

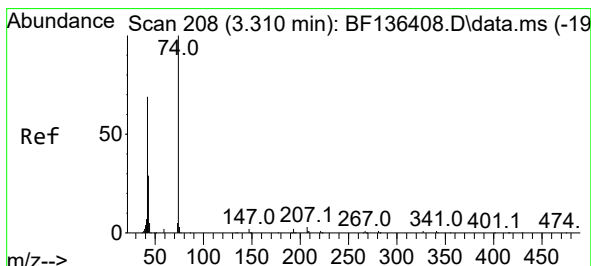
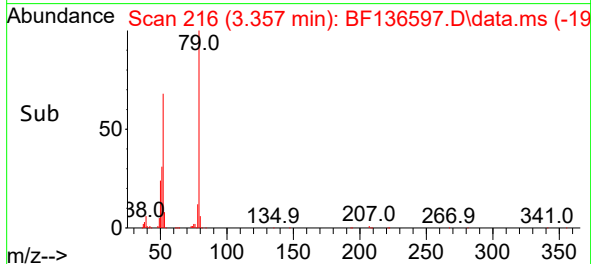
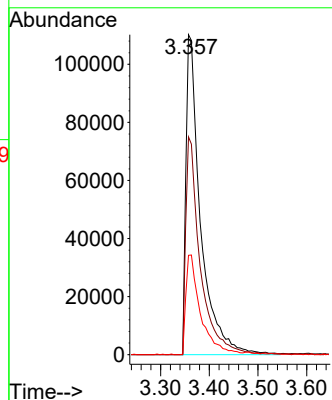
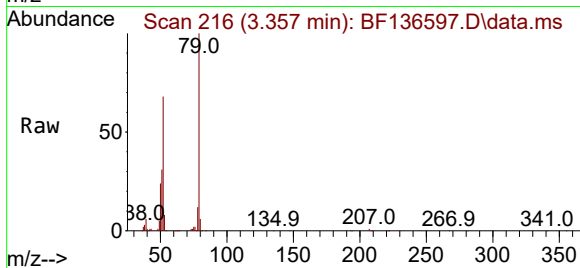




#3
 Pyridine
 Concen: 35.596 ng
 RT: 3.357 min Scan# 213
 Delta R.T. 0.047 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

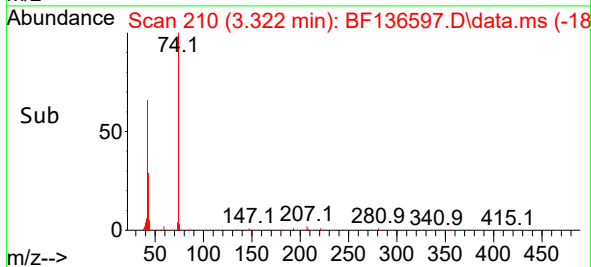
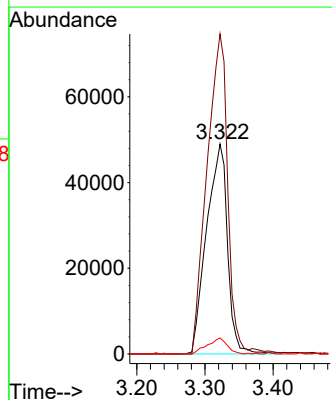
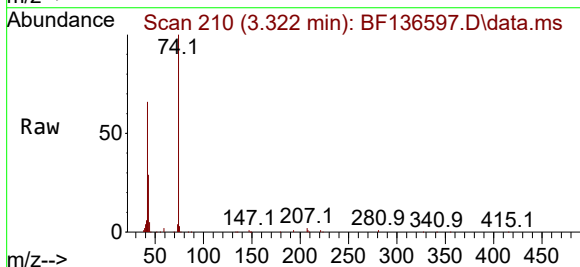
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

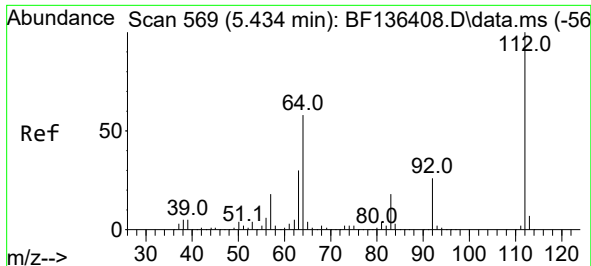
Tgt Ion: 79 Resp: 229368
 Ion Ratio Lower Upper
 79 100
 52 68.1 58.2 87.2
 51 31.0 29.1 43.7



#4
 n-Nitrosodimethylamine
 Concen: 37.386 ng
 RT: 3.322 min Scan# 210
 Delta R.T. 0.035 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

Tgt Ion: 42 Resp: 104663
 Ion Ratio Lower Upper
 42 100
 74 152.5 115.4 173.0
 44 7.6 6.2 9.2

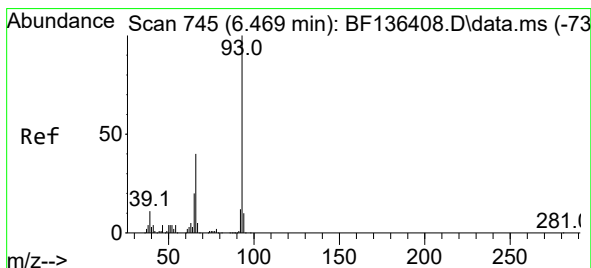
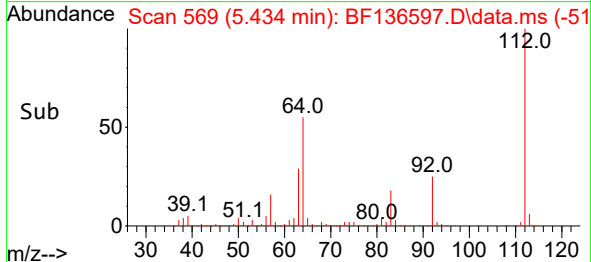
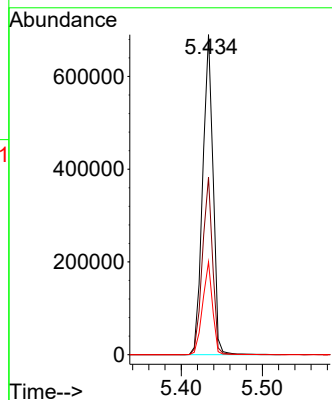
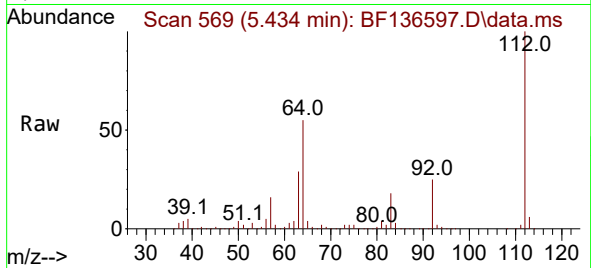




#5
2-Fluorophenol
Concen: 91.150 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

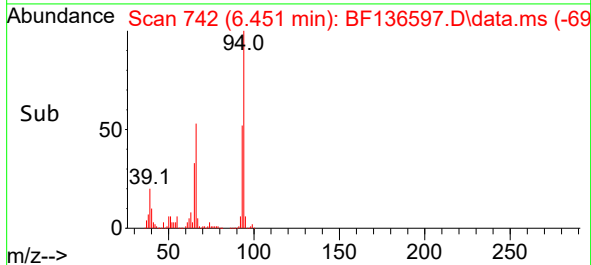
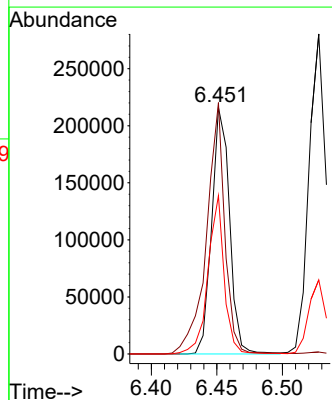
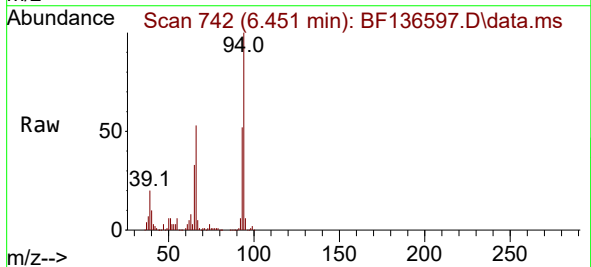
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

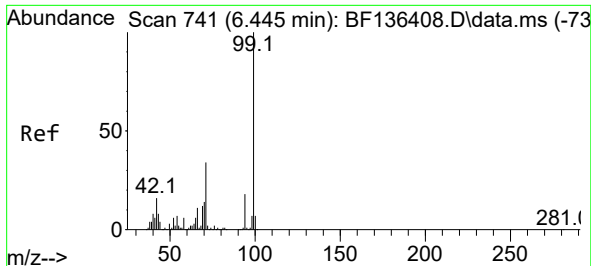
Tgt Ion:112 Resp: 613183
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 29.0 23.9 35.9



#6
Aniline
Concen: 24.022 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion: 93 Resp: 203766
Ion Ratio Lower Upper
93 100
66 101.9 32.5 48.7#
65 64.1 16.4 24.6#





#7

Phenol-d6

Concen: 85.513 ng

RT: 6.439 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

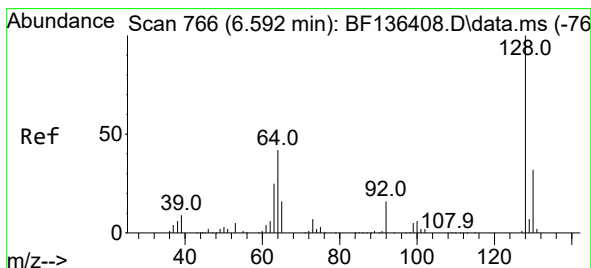
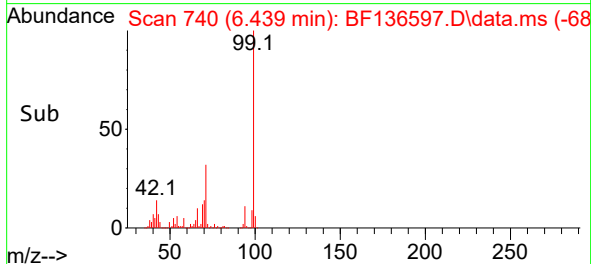
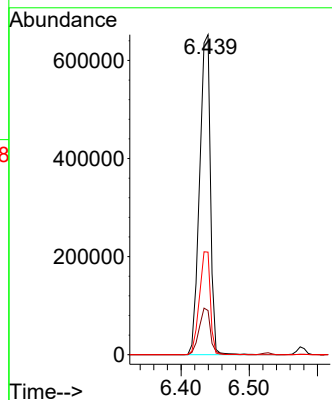
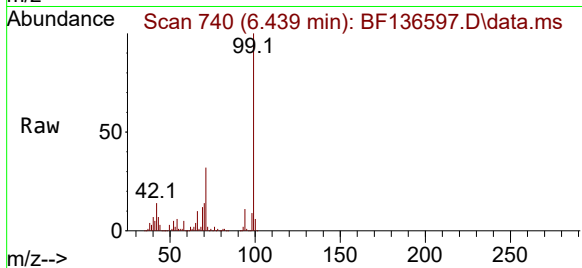
Tgt Ion: 99 Resp: 717726

Ion Ratio Lower Upper

99 100

42 13.8 12.8 19.2

71 32.1 27.0 40.4



#8

2-Chlorophenol

Concen: 36.790 ng

RT: 6.575 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

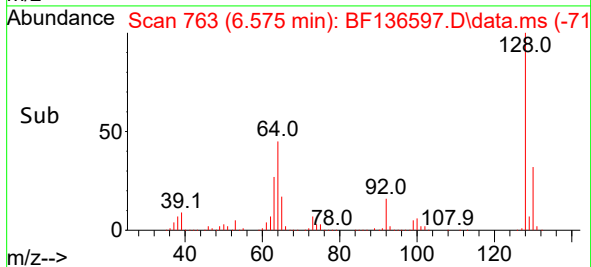
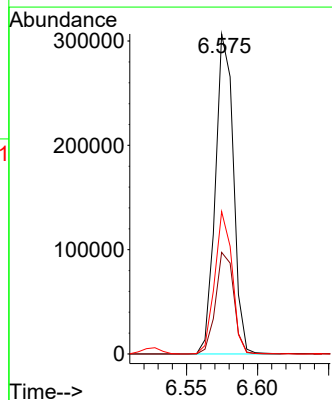
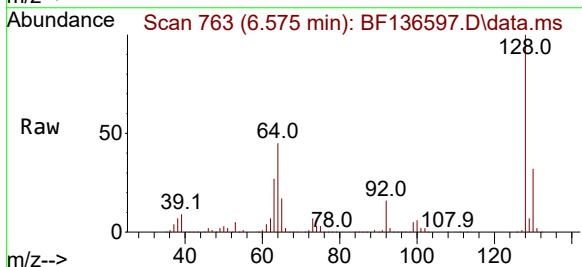
Tgt Ion:128 Resp: 270188

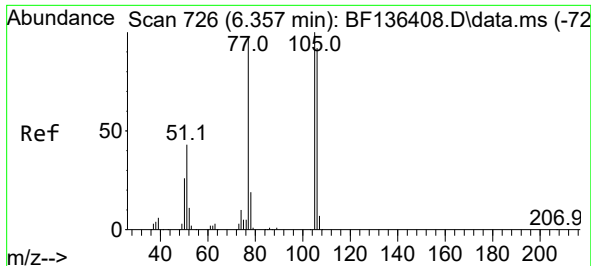
Ion Ratio Lower Upper

128 100

130 31.8 11.7 51.7

64 44.5 22.5 62.5

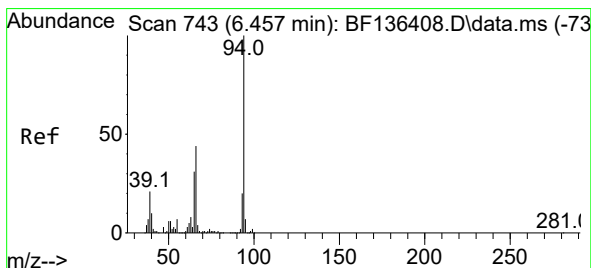
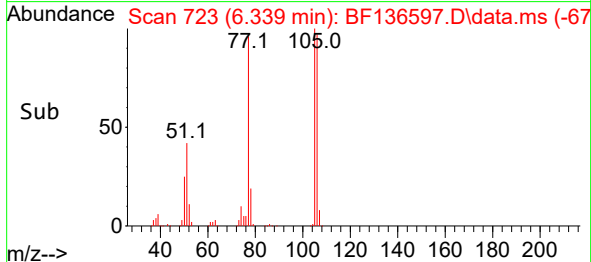
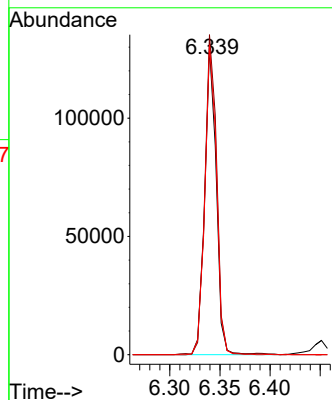
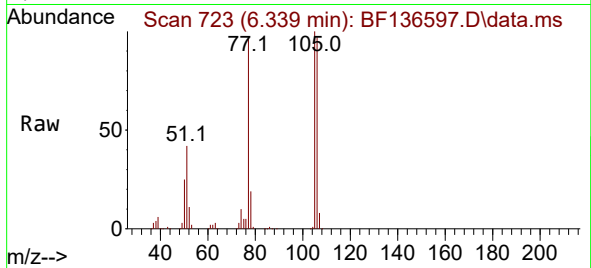




#9
Benzaldehyde
Concen: 21.901 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

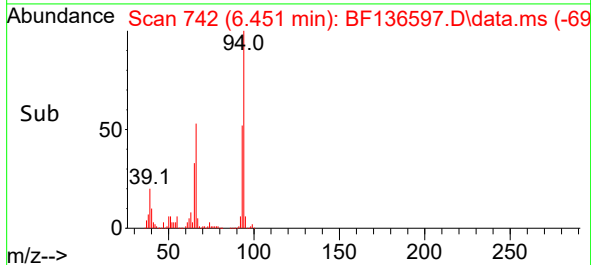
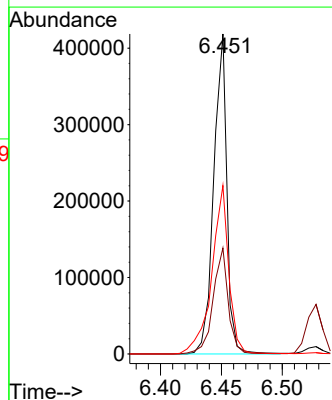
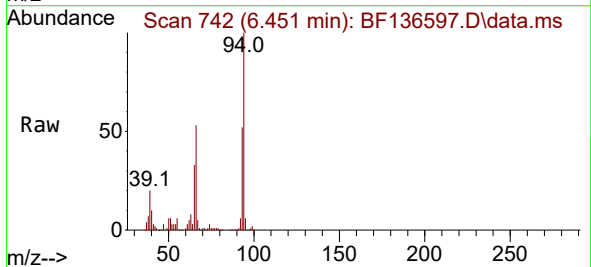
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

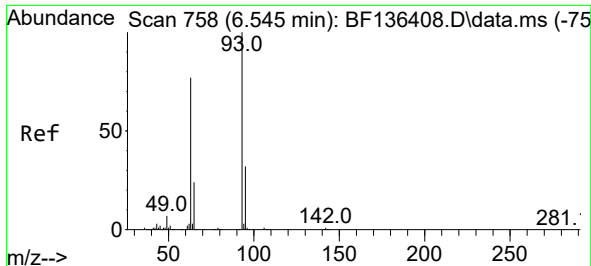
Tgt Ion: 77 Resp: 103957
Ion Ratio Lower Upper
77 100
105 104.2 82.5 122.5
106 100.9 74.5 114.5



#10
Phenol
Concen: 35.052 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion: 94 Resp: 313056
Ion Ratio Lower Upper
94 100
65 33.1 11.2 51.2
66 52.6 24.2 64.2

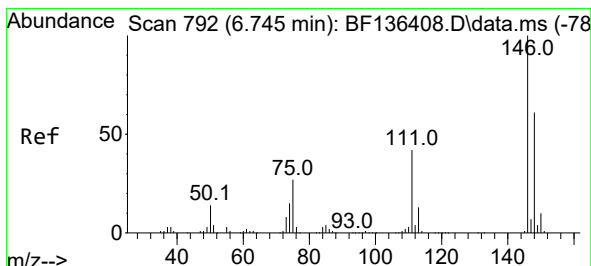
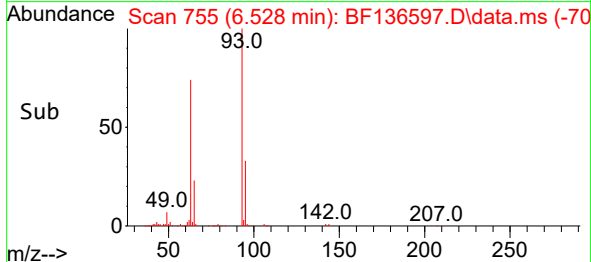
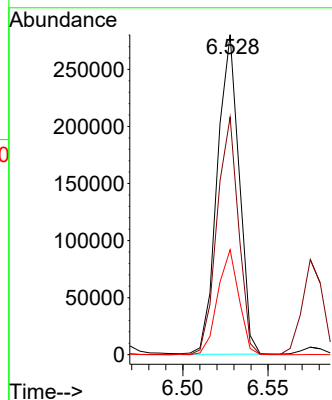
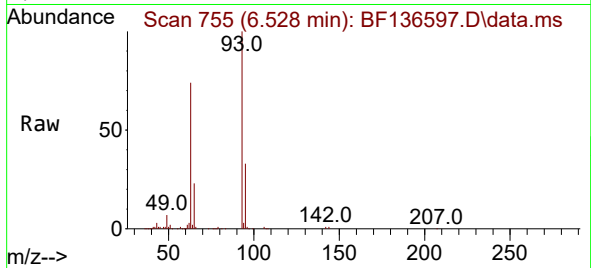




#11
bis(2-Chloroethyl)ether
Concen: 37.498 ng
RT: 6.528 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

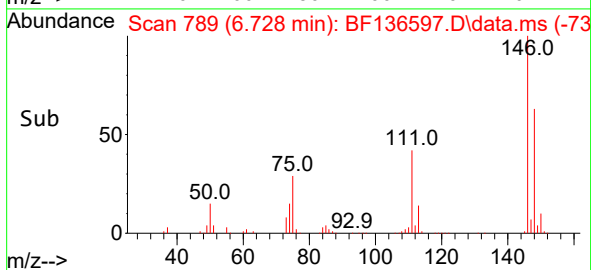
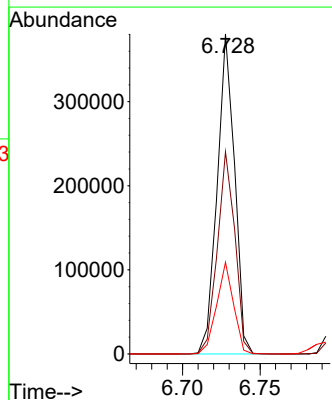
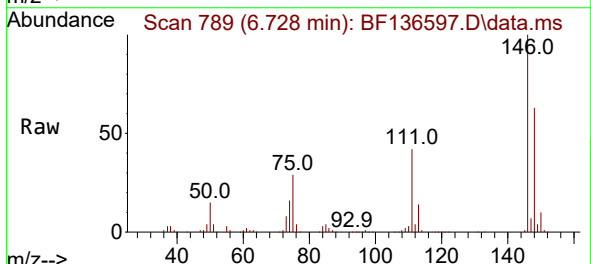
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

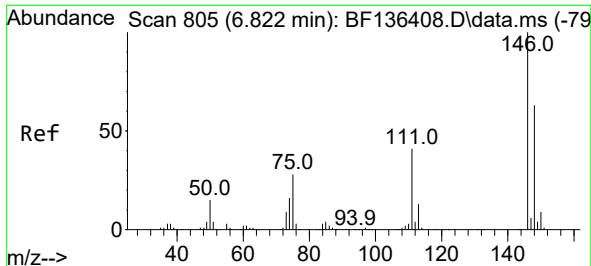
Tgt Ion: 93 Resp: 249632
Ion Ratio Lower Upper
93 100
63 74.3 56.8 96.8
95 32.8 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 35.947 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:146 Resp: 296895
Ion Ratio Lower Upper
146 100
148 63.2 49.0 73.6
75 28.7 21.8 32.6

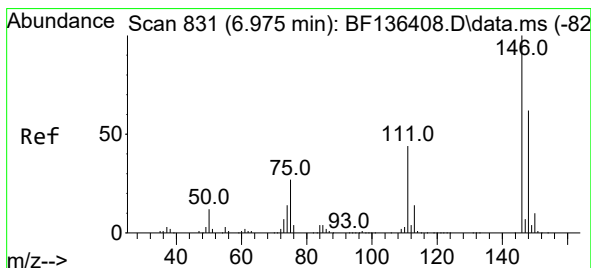
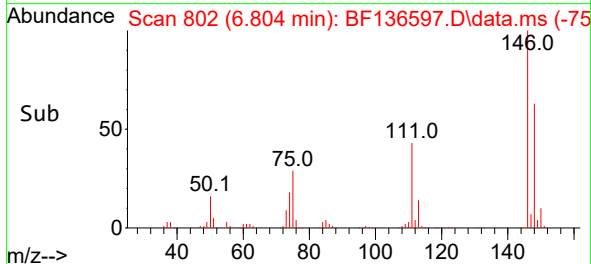
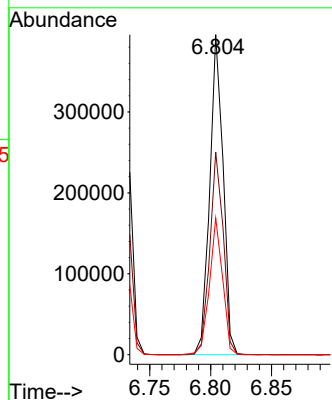
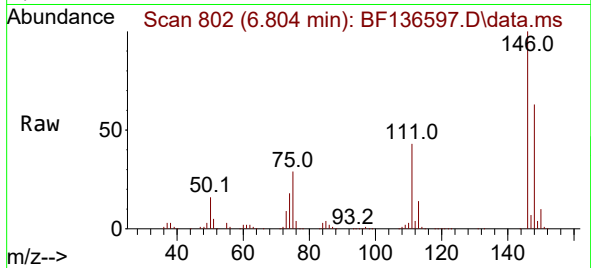




#13
1,4-Dichlorobenzene
Concen: 35.937 ng
RT: 6.804 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

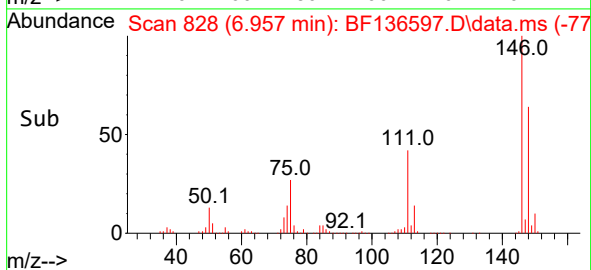
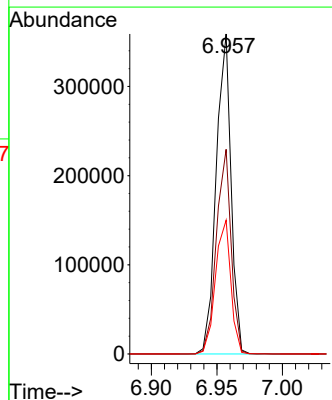
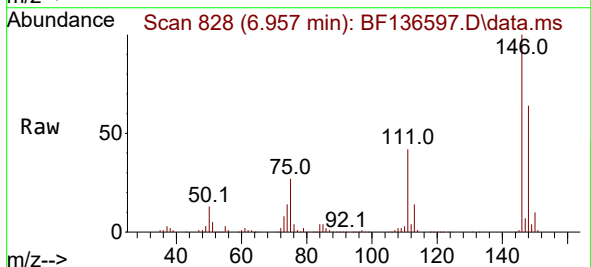
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

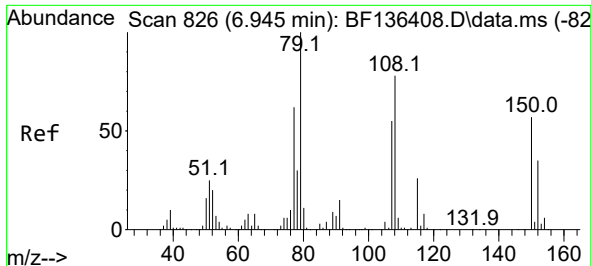
Tgt Ion:146 Resp: 301089
Ion Ratio Lower Upper
146 100
148 63.3 50.3 75.5
111 42.7 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 35.807 ng
RT: 6.957 min Scan# 828
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:146 Resp: 282105
Ion Ratio Lower Upper
146 100
148 64.0 49.8 74.6
111 41.8 34.9 52.3





#15

Benzyl Alcohol

Concen: 36.685 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

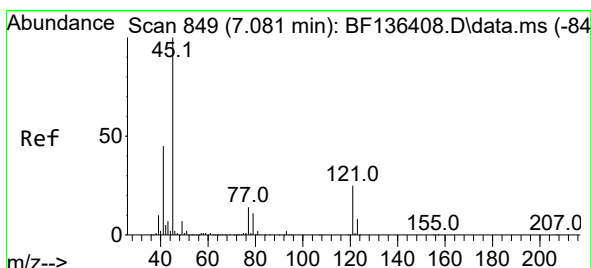
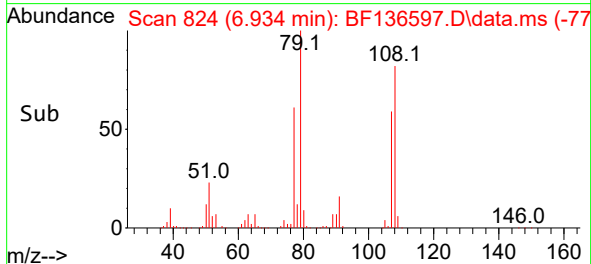
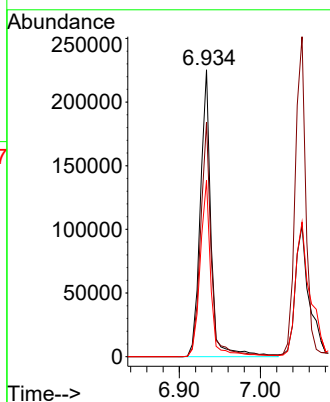
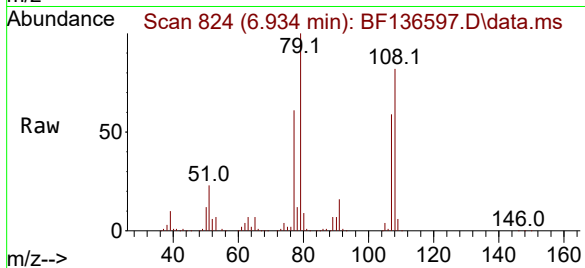
Tgt Ion: 79 Resp: 206185

Ion Ratio Lower Upper

79 100

108 81.8 62.3 93.5

77 61.4 49.8 74.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.373 ng

RT: 7.063 min Scan# 846

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

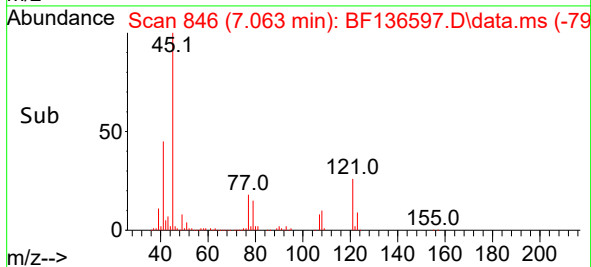
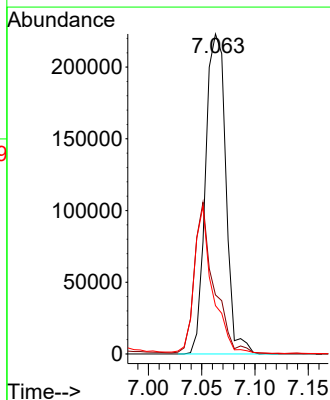
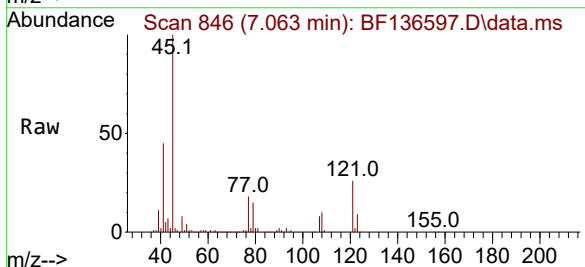
Tgt Ion: 45 Resp: 294306

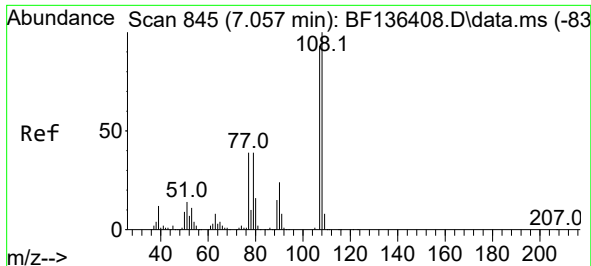
Ion Ratio Lower Upper

45 100

77 18.5 0.0 35.3

79 15.1 0.0 32.5

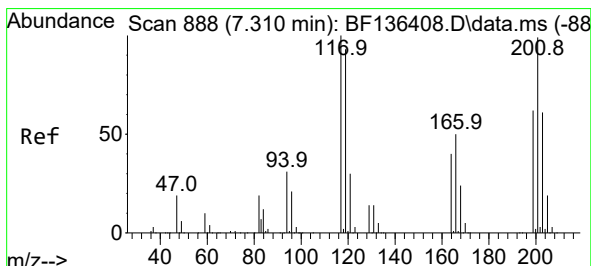
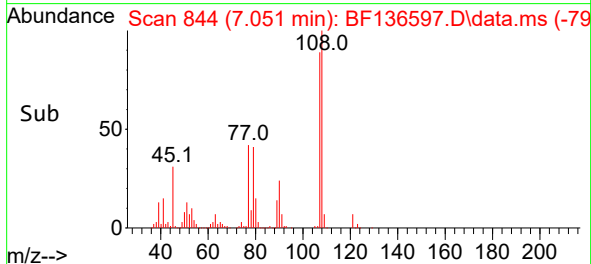
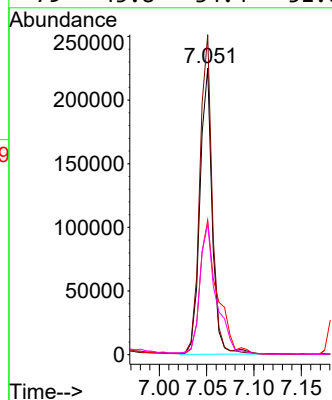
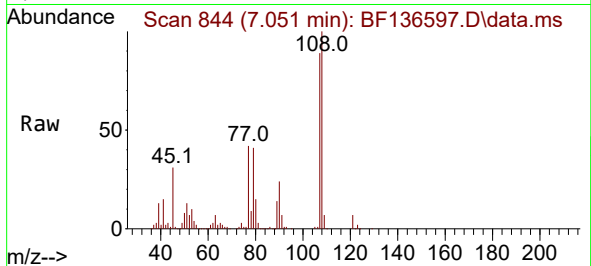




#17
2-Methylphenol
Concen: 34.363 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

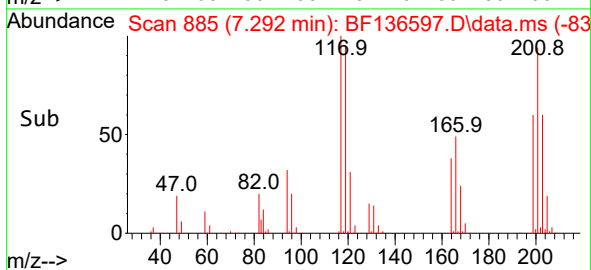
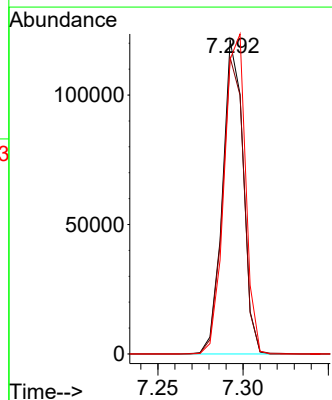
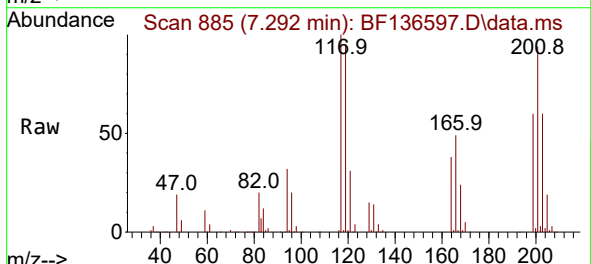
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

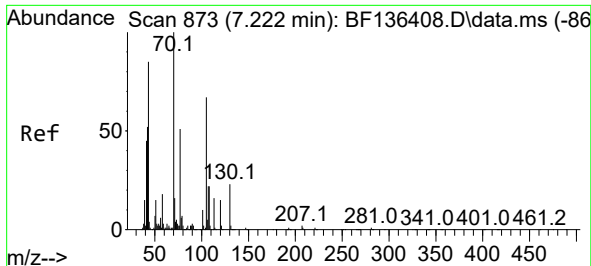
Tgt Ion:	107	Resp:	203886
Ion	Ratio	Lower	Upper
107	100		
108	111.7	86.5	129.7
77	47.0	33.8	50.8
79	45.8	34.4	51.6



#18
Hexachloroethane
Concen: 34.901 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:	117	Resp:	102088
Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.3	111.5
201	94.0	79.3	118.9





#19

n-Nitroso-di-n-propylamine

Concen: 34.618 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

Tgt Ion: 70 Resp: 167608

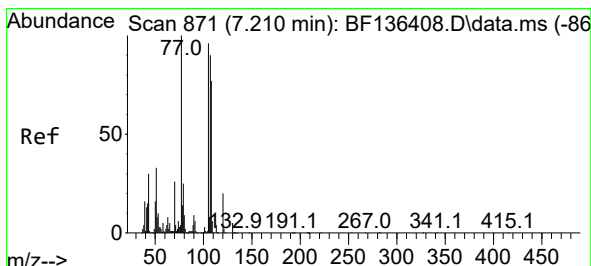
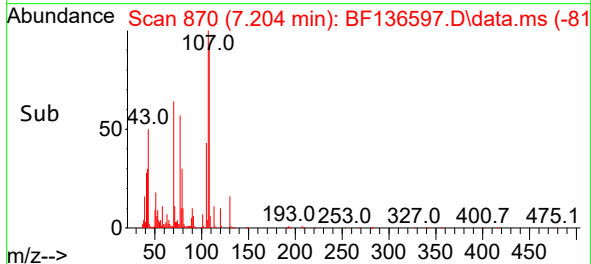
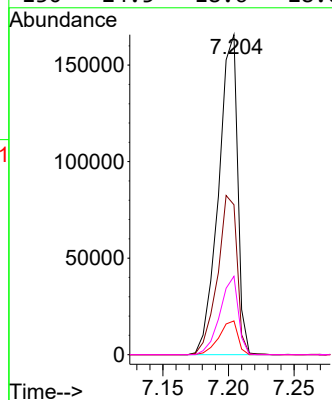
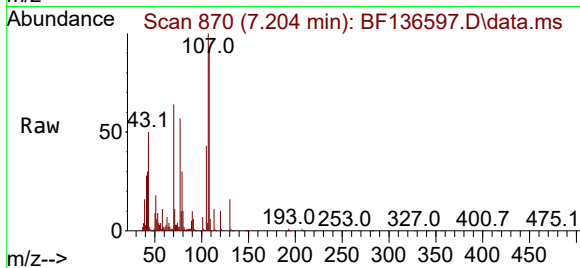
Ion Ratio Lower Upper

70 100

42 46.9 41.4 62.0

101 10.6 8.2 12.4

130 24.5 18.6 28.0



#20

3+4-Methylphenols

Concen: 34.348 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Tgt Ion: 107 Resp: 252959

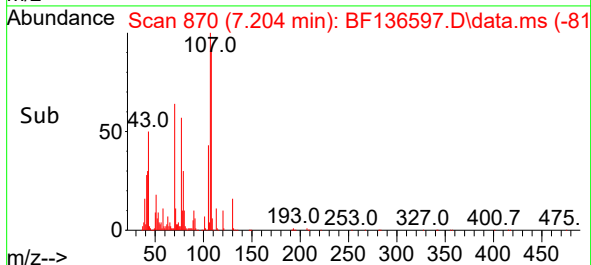
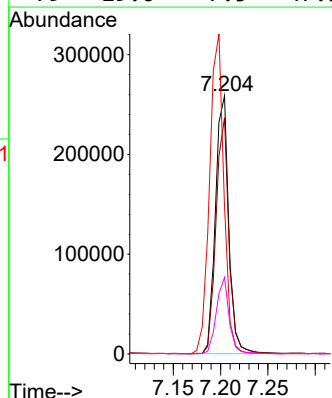
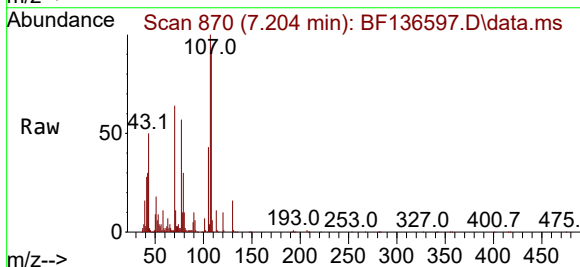
Ion Ratio Lower Upper

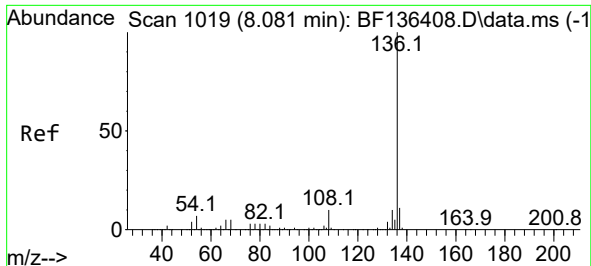
107 100

108 91.5 65.9 105.9

77 57.2 91.7 131.7

79 29.6 7.5 47.5

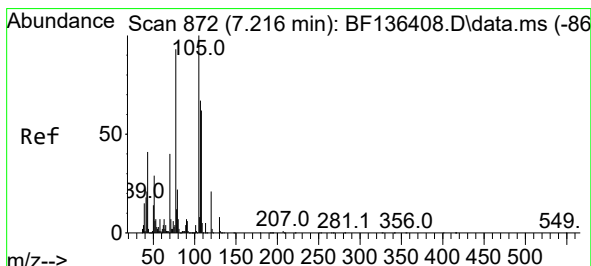
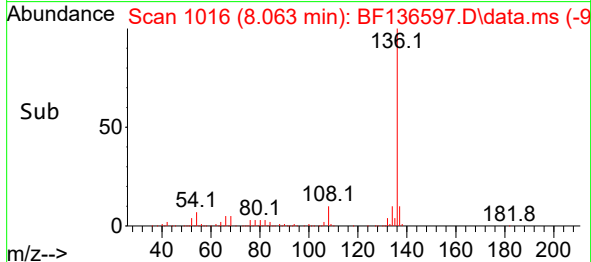
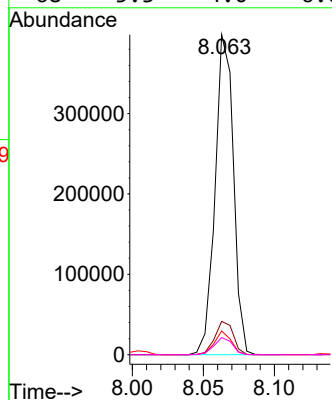
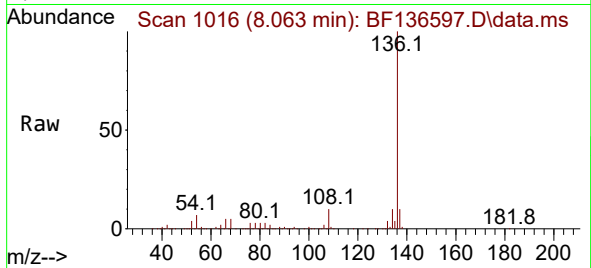




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

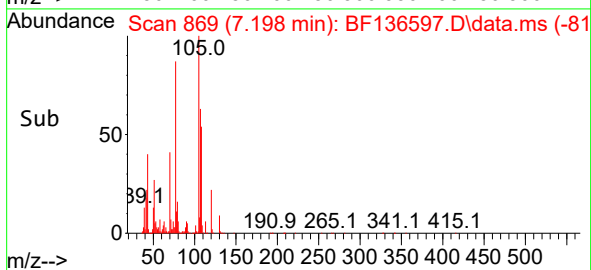
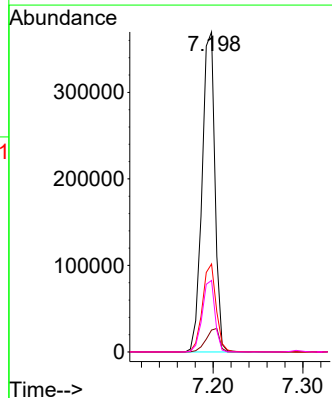
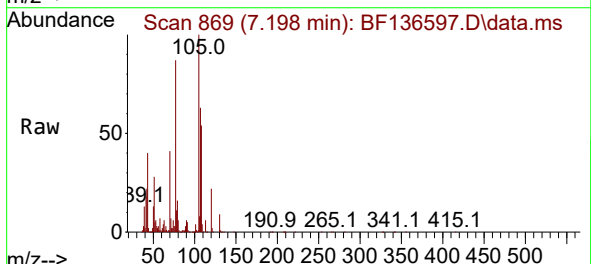
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

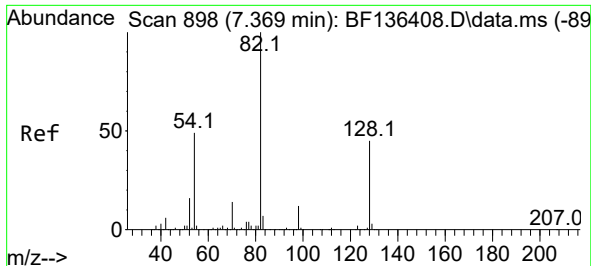
Tgt Ion:	136	Resp:	357926
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	7.4	5.7	8.5
68	5.3	4.0	6.0



#22
Acetophenone
Concen: 41.635 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:	105	Resp:	367997
Ion	Ratio	Lower	Upper
105	100		
71	6.8	5.4	8.0
51	27.5	23.4	35.2
120	22.3	16.6	24.8





#23

Nitrobenzene-d5

Concen: 65.770 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

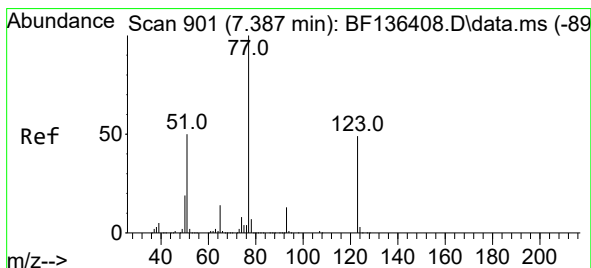
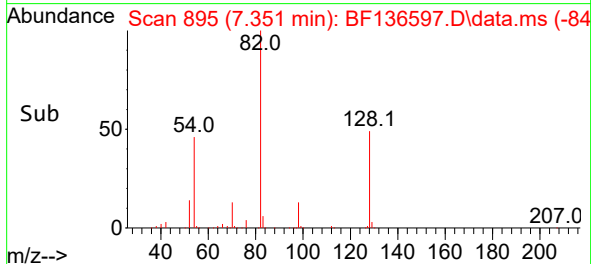
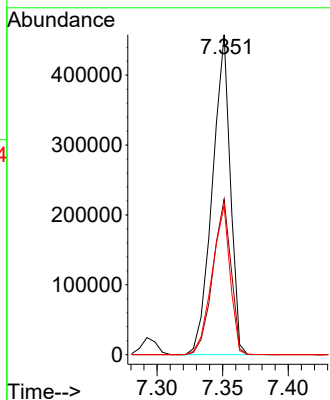
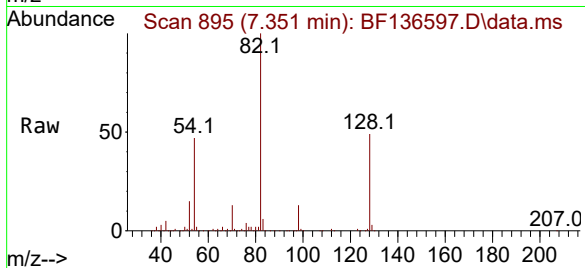
Tgt Ion: 82 Resp: 435455

Ion Ratio Lower Upper

82 100

128 48.6 36.3 54.5

54 46.6 39.0 58.6



#24

Nitrobenzene

Concen: 37.630 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

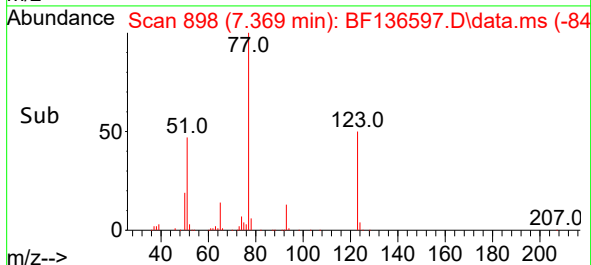
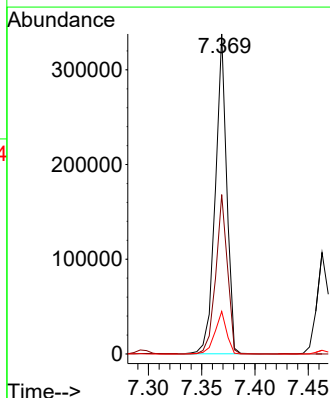
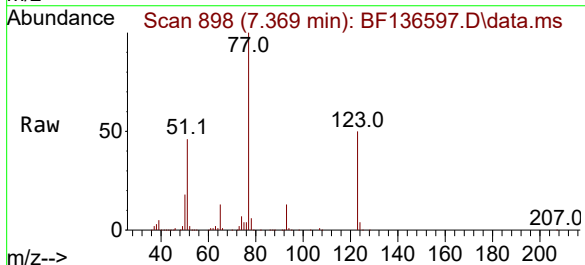
Tgt Ion: 77 Resp: 250632

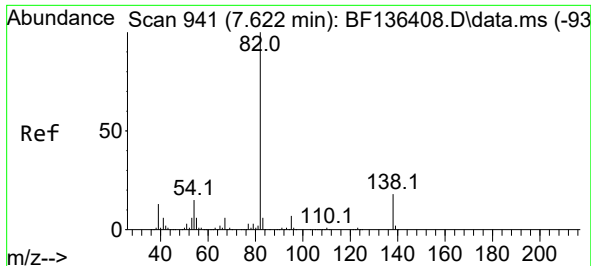
Ion Ratio Lower Upper

77 100

123 49.8 39.0 58.6

65 13.3 11.3 16.9

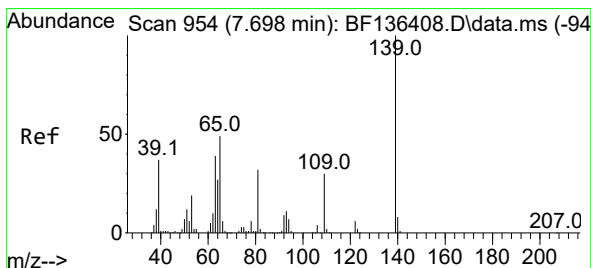
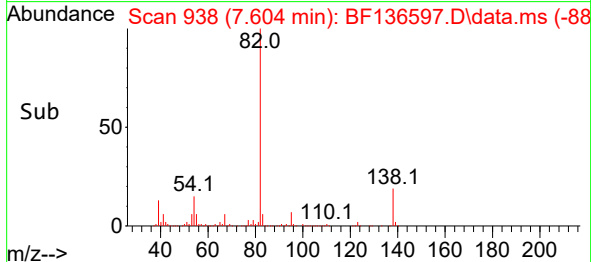
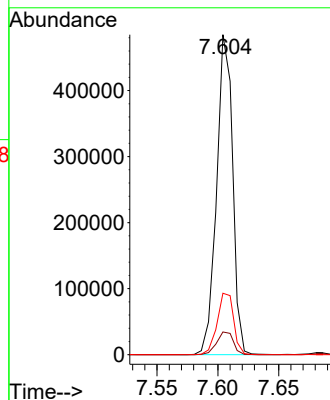
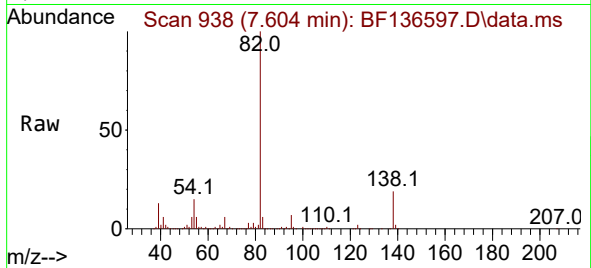




#25
Isophorone
Concen: 37.315 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

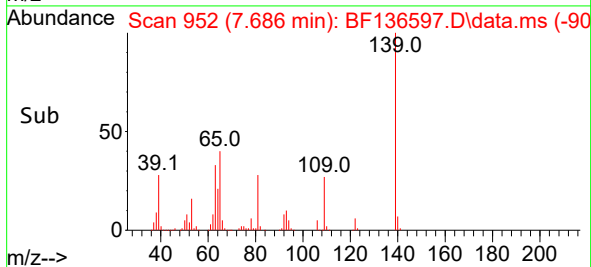
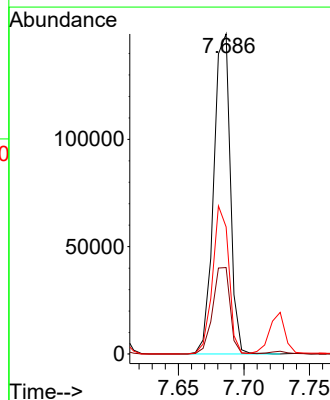
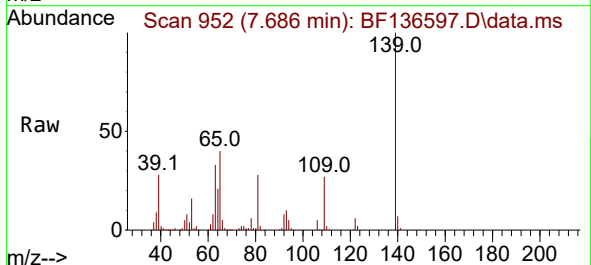
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

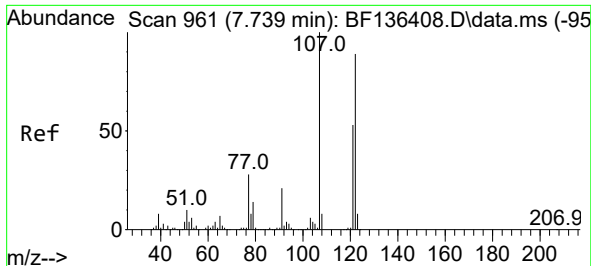
Tgt Ion: 82 Resp: 443865
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 19.2 14.5 21.7



#26
2-Nitrophenol
Concen: 40.043 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:139 Resp: 131116
Ion Ratio Lower Upper
139 100
109 27.0 23.6 35.4
65 39.7 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 46.132 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

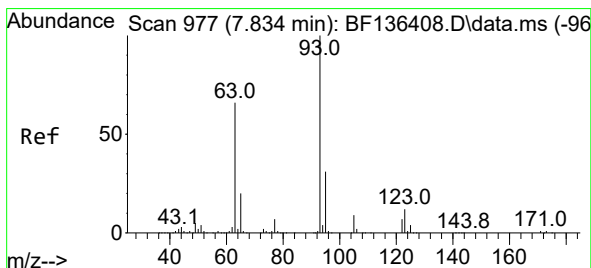
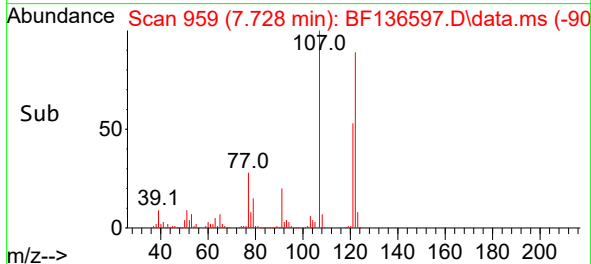
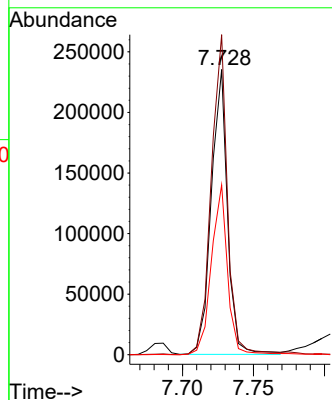
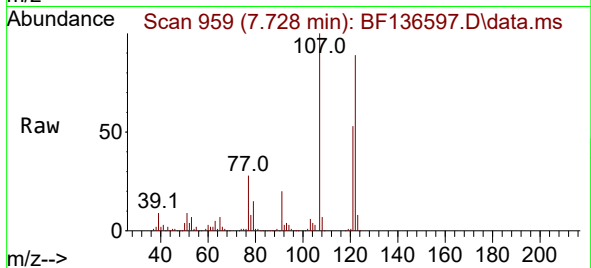
Tgt Ion:122 Resp: 186258

Ion Ratio Lower Upper

122 100

107 112.2 89.3 133.9

121 59.5 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.454 ng

RT: 7.822 min Scan# 975

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

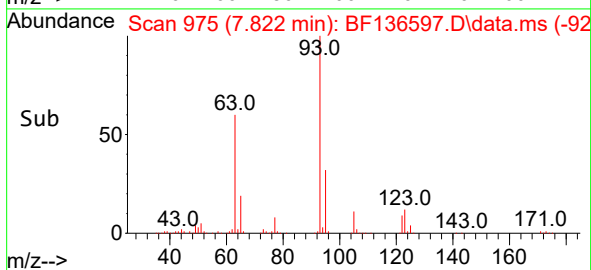
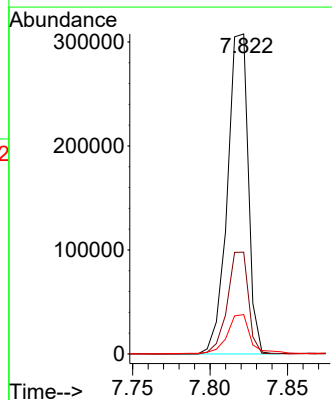
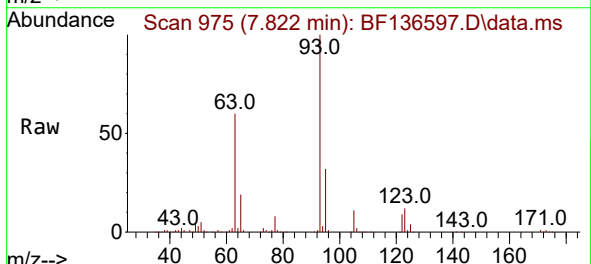
Tgt Ion: 93 Resp: 288383

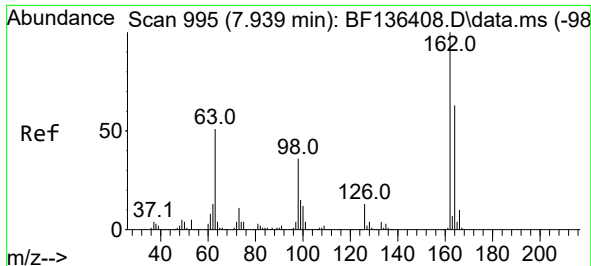
Ion Ratio Lower Upper

93 100

95 31.8 25.0 37.4

123 12.3 9.4 14.0

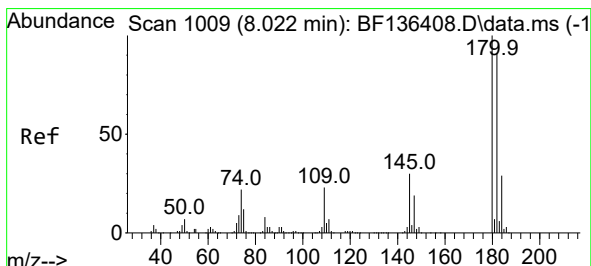
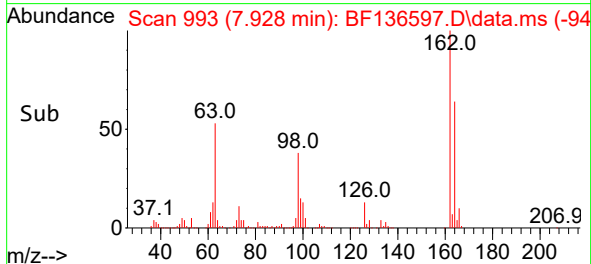
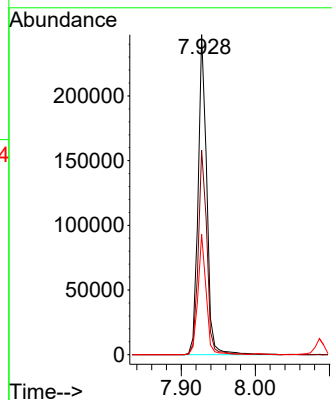
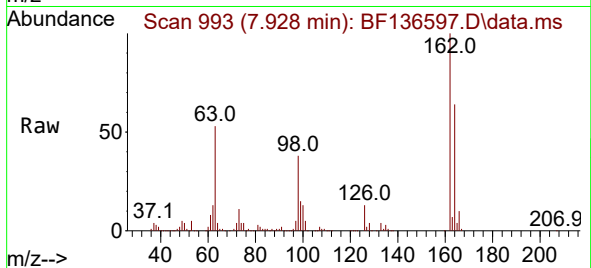




#29
2,4-Dichlorophenol
Concen: 37.427 ng
RT: 7.928 min Scan# 995
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

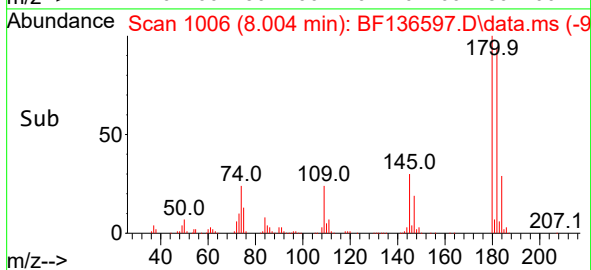
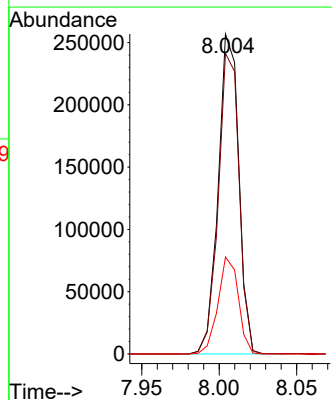
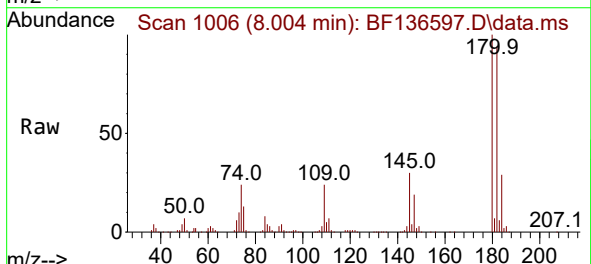
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

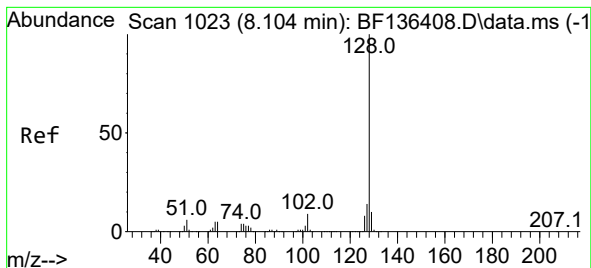
Tgt Ion:162 Resp: 199457
Ion Ratio Lower Upper
162 100
164 63.9 43.0 83.0
98 37.6 16.2 56.2



#30
1,2,4-Trichlorobenzene
Concen: 38.240 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:180 Resp: 237633
Ion Ratio Lower Upper
180 100
182 94.0 73.1 109.7
145 30.3 23.8 35.8





#31

Naphthalene

Concen: 37.708 ng

RT: 8.086 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

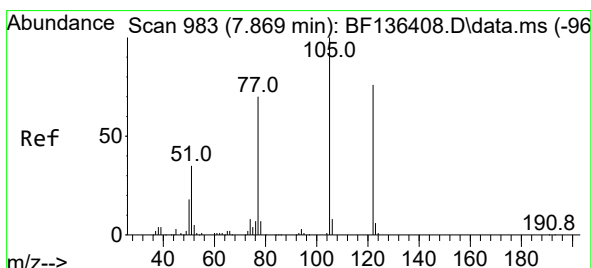
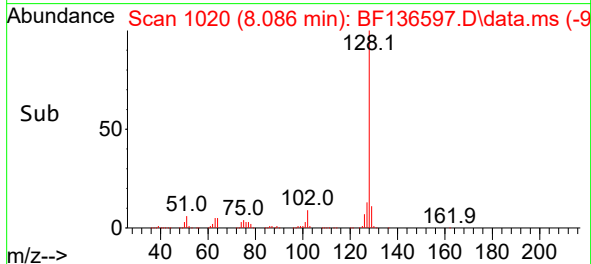
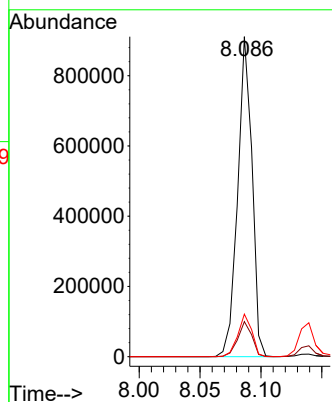
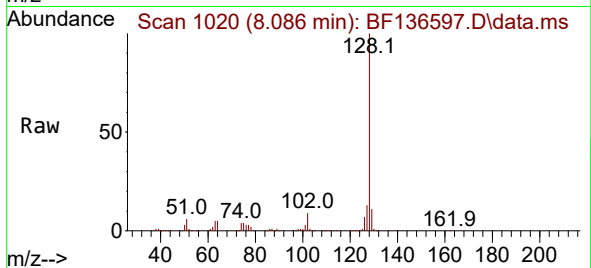
Tgt Ion:128 Resp: 744278

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

127 13.3 11.1 16.7



#32

Benzoic acid

Concen: 22.813 ng

RT: 7.839 min Scan# 978

Delta R.T. -0.018 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

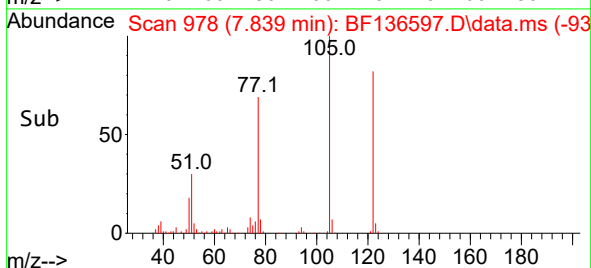
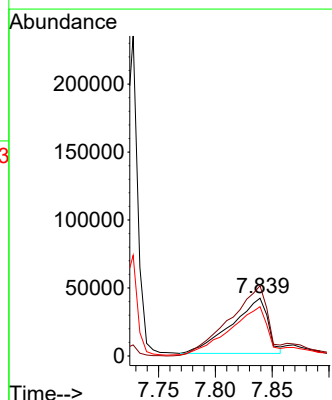
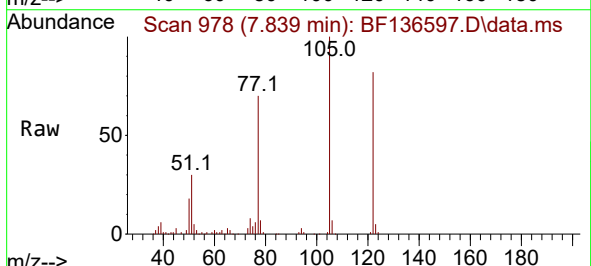
Tgt Ion:122 Resp: 91371

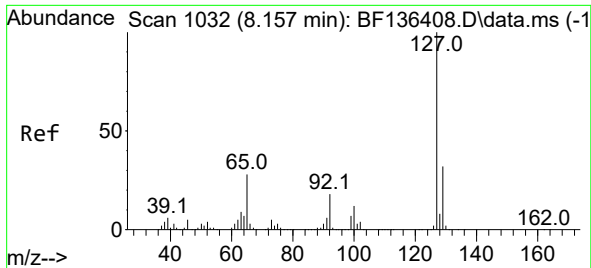
Ion Ratio Lower Upper

122 100

105 121.5 104.7 144.7

77 85.4 68.5 108.5

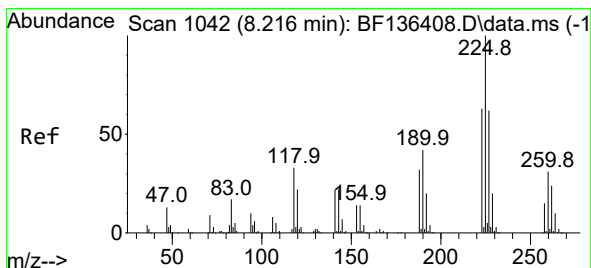
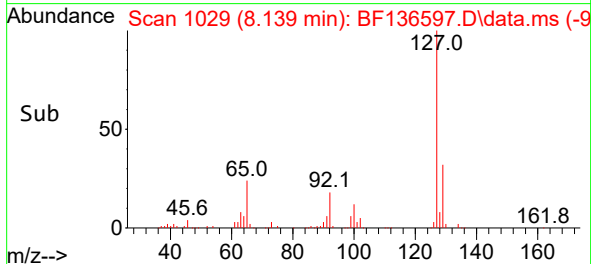
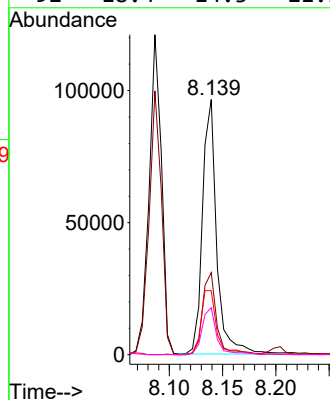
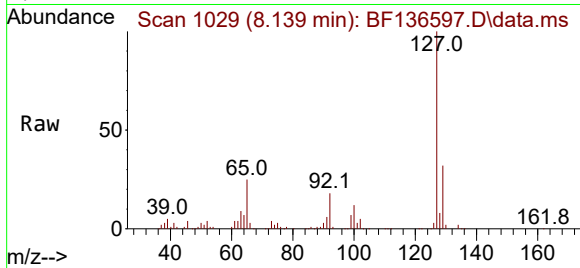




#33
4-Chloroaniline
Concen: 12.764 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

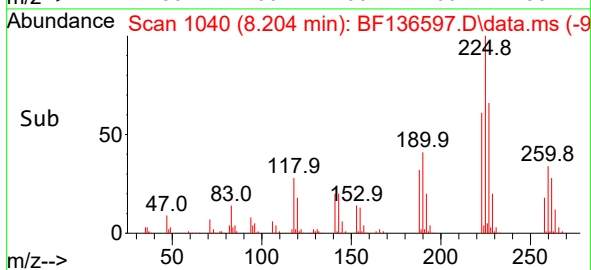
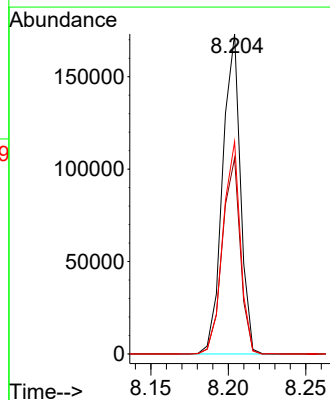
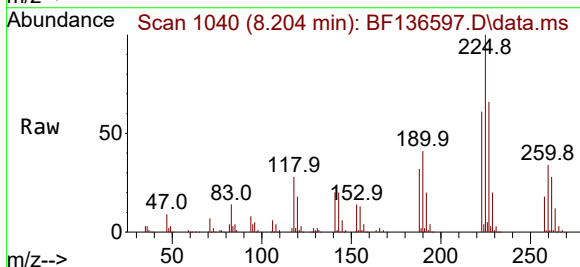
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

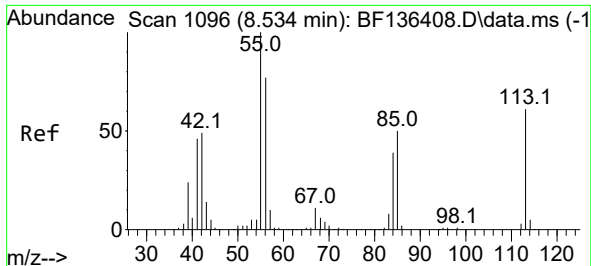
Tgt Ion:	127	Resp:	89815
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.4	38.2
65	25.1	22.5	33.7
92	18.4	14.3	21.5



#34
Hexachlorobutadiene
Concen: 37.584 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:	225	Resp:	138417
Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.8	76.2
227	66.3	49.8	74.8

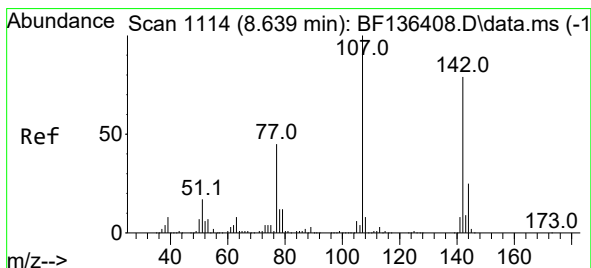
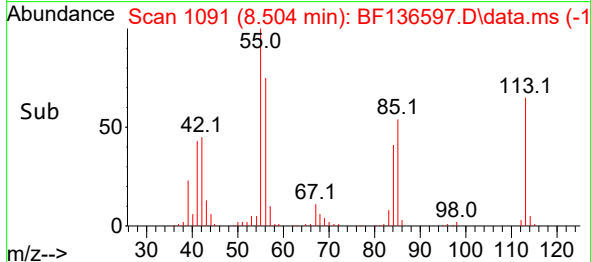
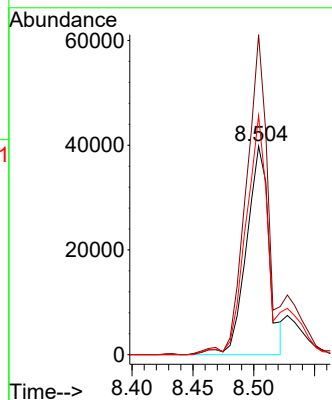
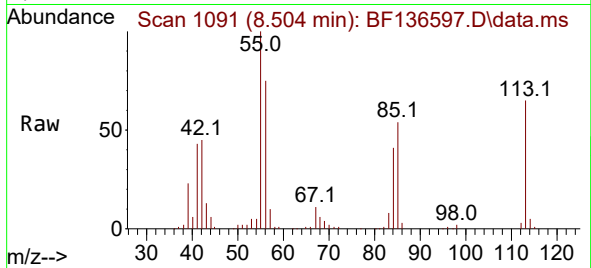




#35
 Caprolactam
 Concen: 31.019 ng
 RT: 8.504 min Scan# 1109
 Delta R.T. -0.018 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

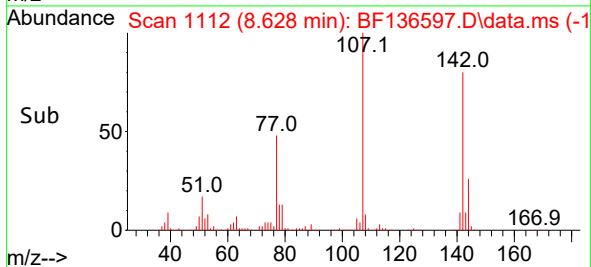
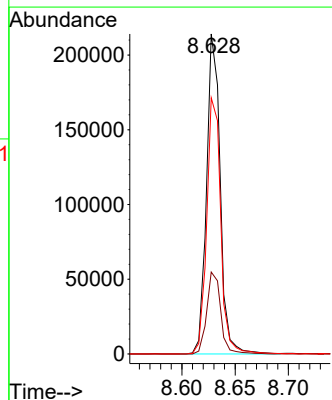
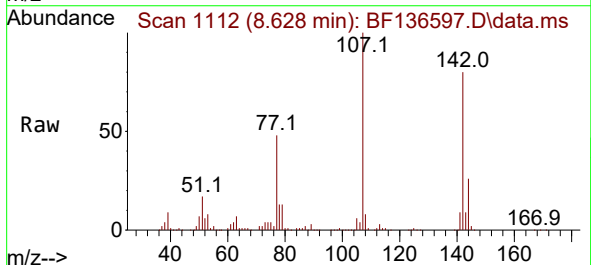
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

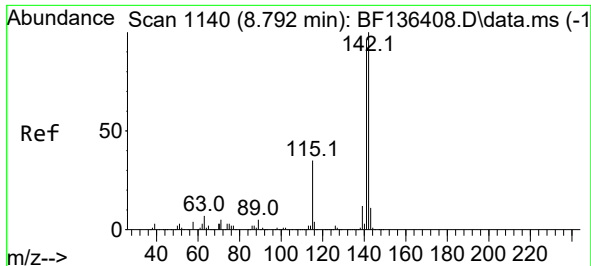
Tgt Ion:113 Resp: 50908
 Ion Ratio Lower Upper
 113 100
 55 153.5 143.7 183.7
 56 114.6 105.2 145.2



#36
 4-Chloro-3-methylphenol
 Concen: 33.925 ng
 RT: 8.628 min Scan# 1112
 Delta R.T. -0.000 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

Tgt Ion:107 Resp: 191963
 Ion Ratio Lower Upper
 107 100
 144 25.6 20.1 30.1
 142 80.0 63.1 94.7

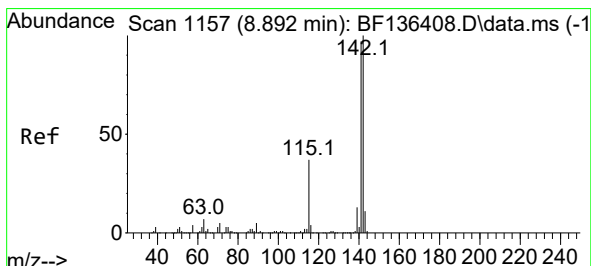
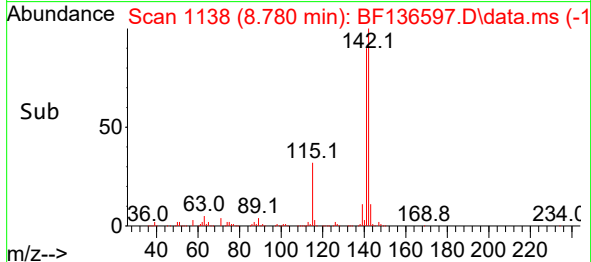
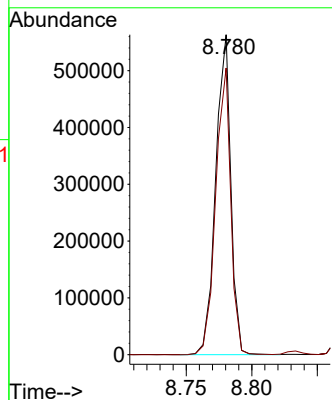
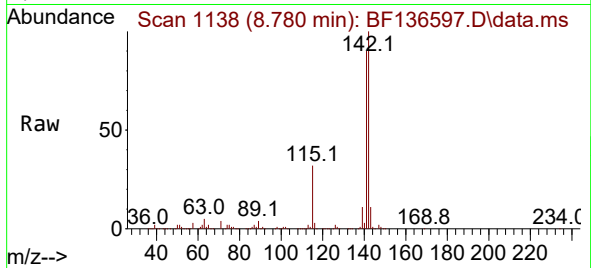




#37
2-Methylnaphthalene
Concen: 35.833 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

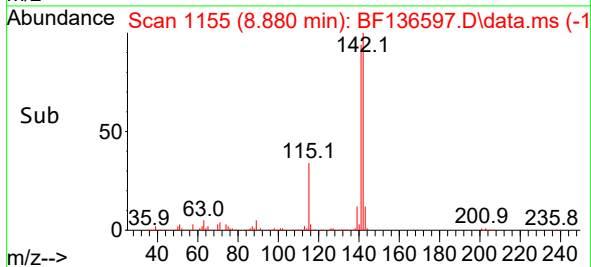
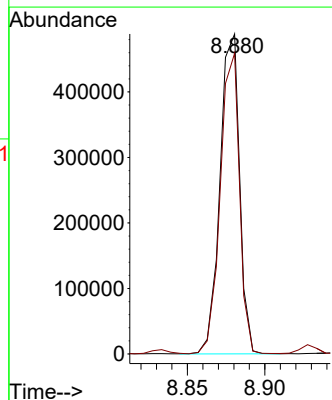
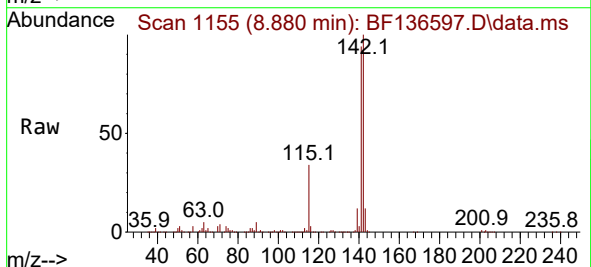
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

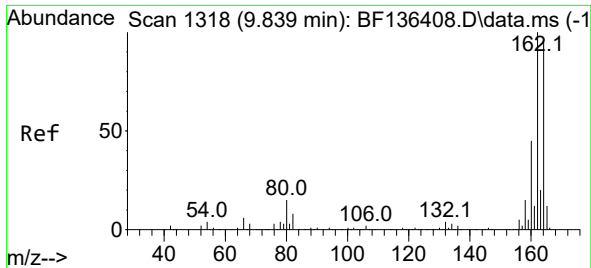
Tgt Ion:142 Resp: 449966
Ion Ratio Lower Upper
142 100
141 89.6 76.4 114.6



#38
1-Methylnaphthalene
Concen: 34.801 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:142 Resp: 428820
Ion Ratio Lower Upper
142 100
141 93.9 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

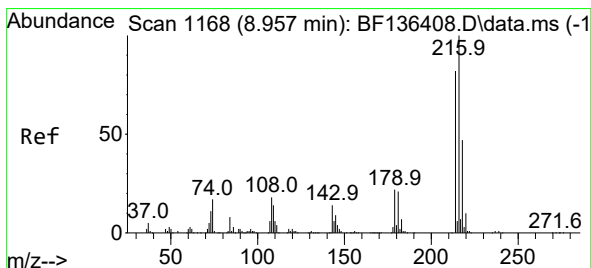
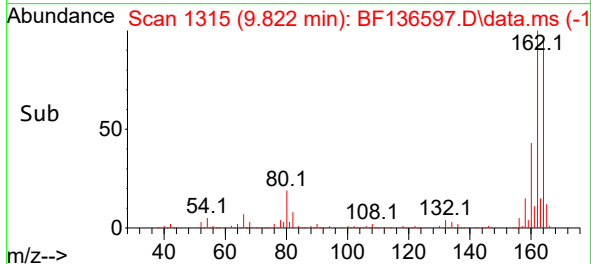
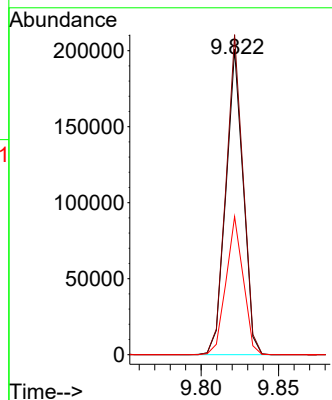
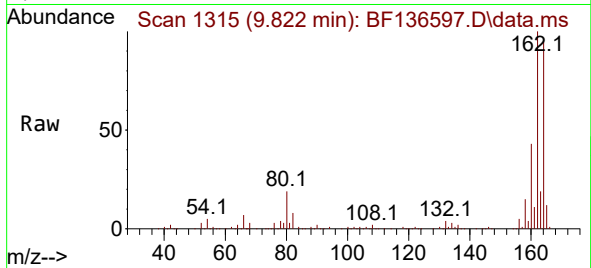
Tgt Ion:164 Resp: 155922

Ion Ratio Lower Upper

164 100

162 104.8 84.4 126.6

160 45.2 37.6 56.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.331 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Tgt Ion:216 Resp: 219900

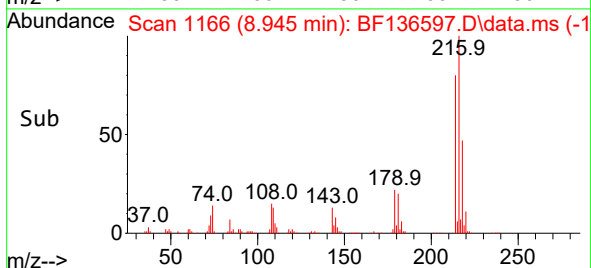
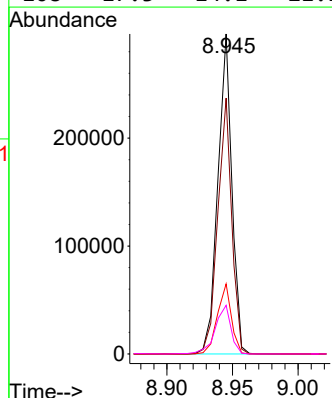
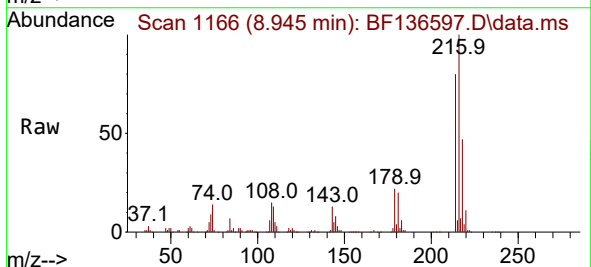
Ion Ratio Lower Upper

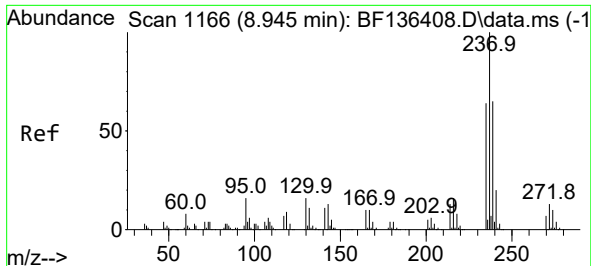
216 100

214 79.6 64.1 96.1

179 21.9 17.0 25.6

108 17.3 14.1 21.1

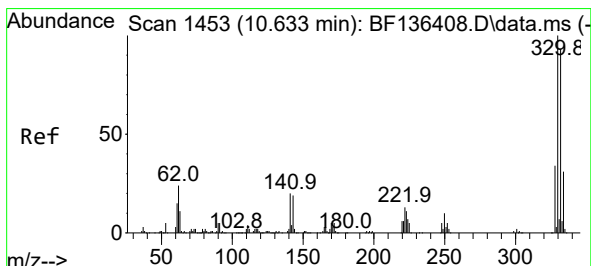
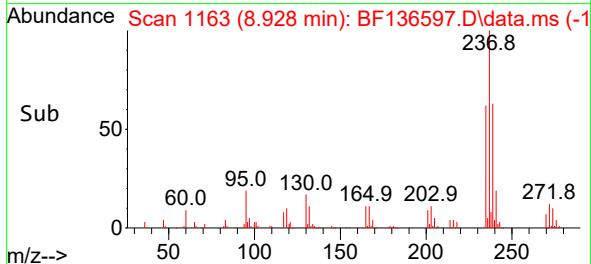
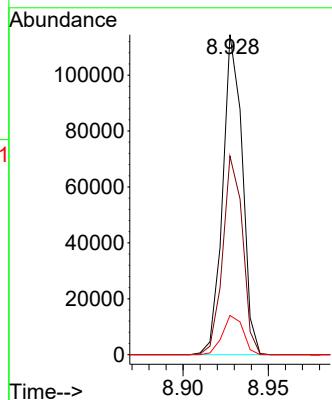
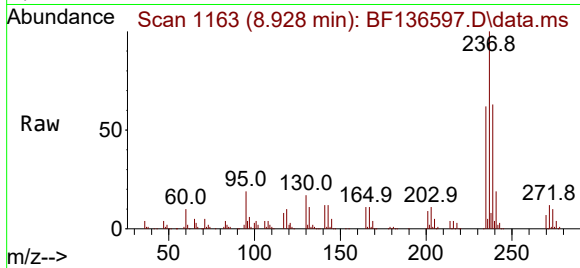




#41
Hexachlorocyclopentadiene
Concen: 50.919 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

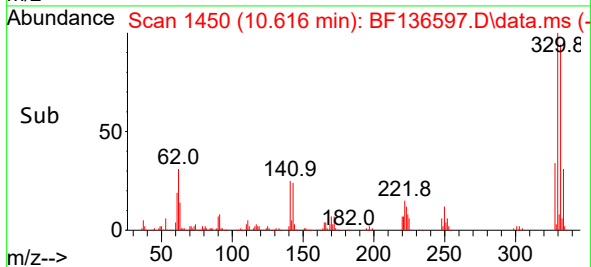
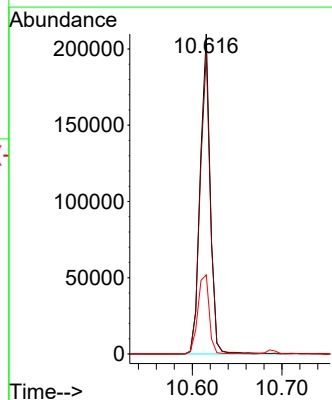
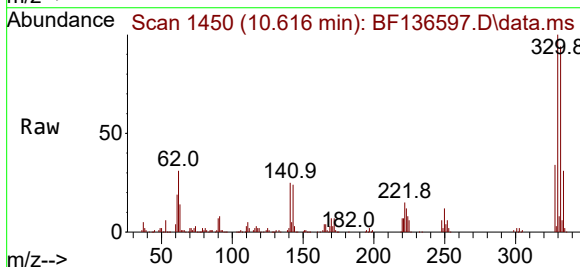
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

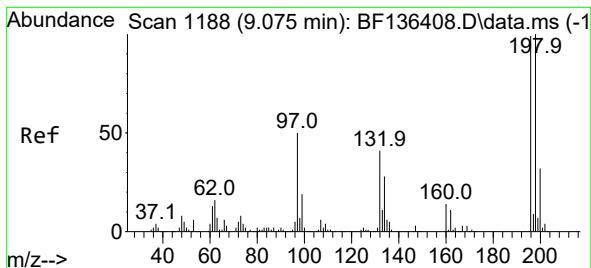
Tgt Ion:237 Resp: 91510
Ion Ratio Lower Upper
237 100
235 62.0 44.1 84.1
272 12.2 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 84.552 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:330 Resp: 162553
Ion Ratio Lower Upper
330 100
332 95.1 76.4 114.6
141 28.1 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 40.829 ng

RT: 9.063 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

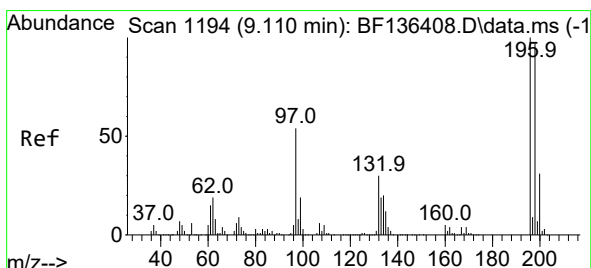
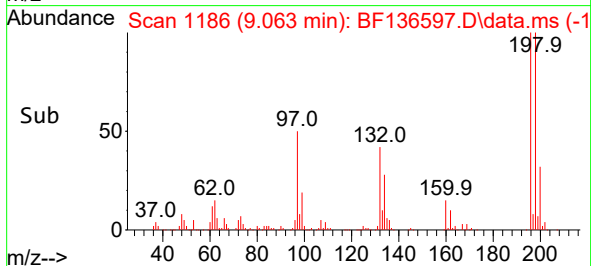
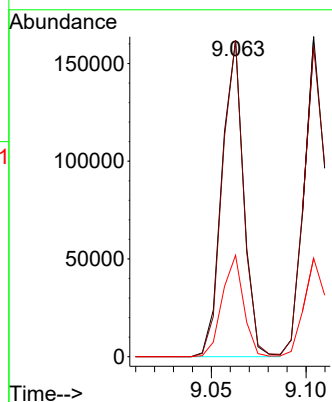
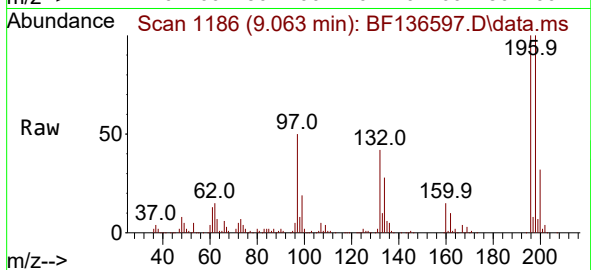
Tgt Ion:196 Resp: 128961

Ion Ratio Lower Upper

196 100

198 100.0 80.4 120.6

200 32.1 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 37.507 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Tgt Ion:196 Resp: 132224

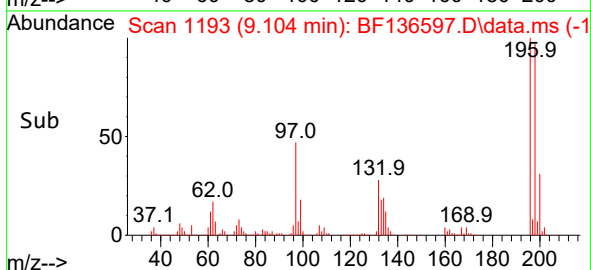
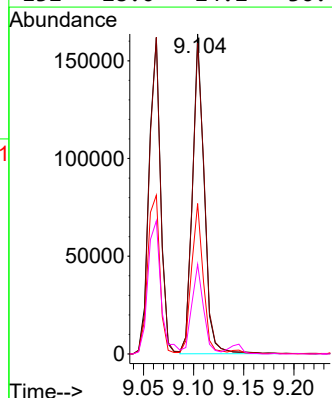
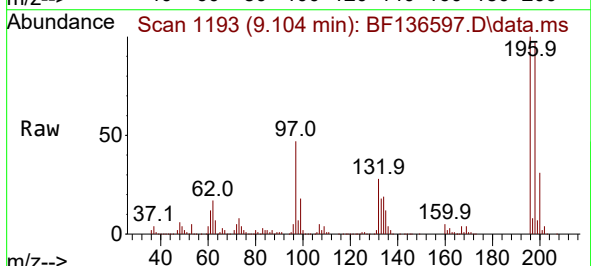
Ion Ratio Lower Upper

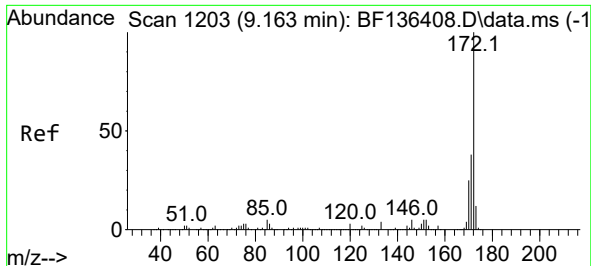
196 100

198 97.1 78.1 117.1

97 47.0 43.4 65.2

132 28.0 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 71.830 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

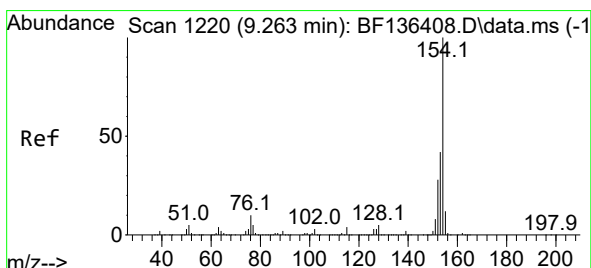
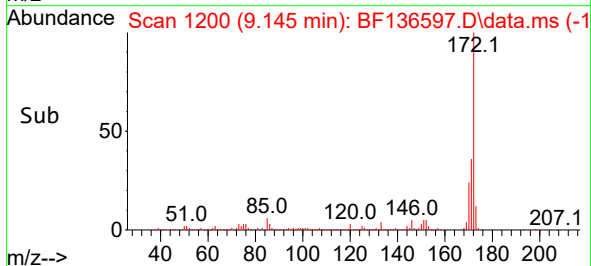
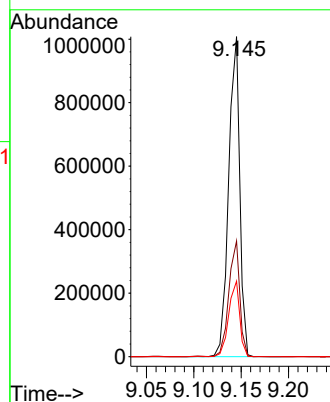
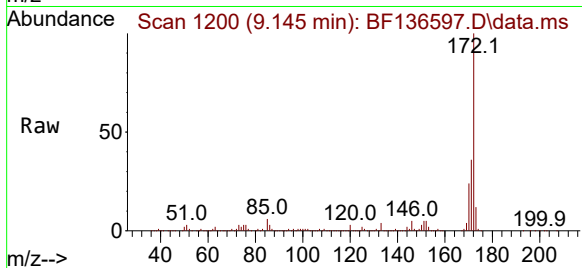
Tgt Ion:172 Resp: 820809

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

170 23.6 19.9 29.9



#46

1,1'-Biphenyl

Concen: 43.197 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

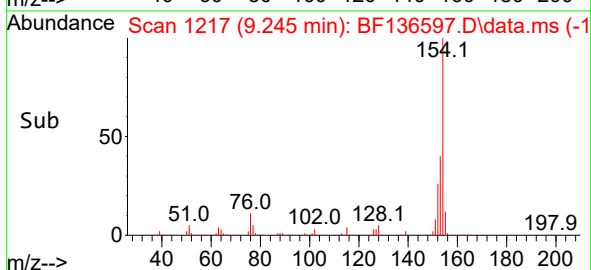
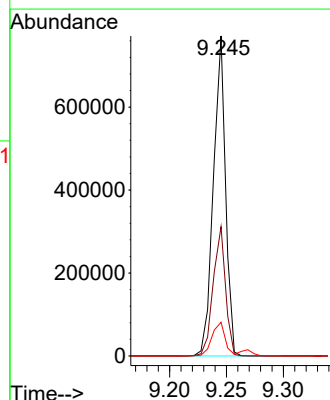
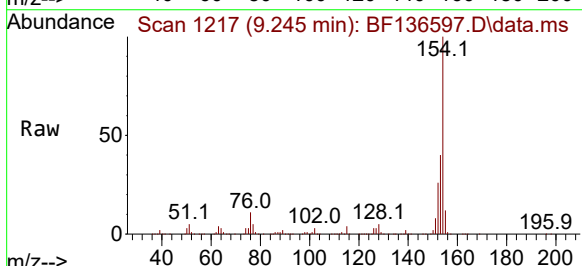
Tgt Ion:154 Resp: 573114

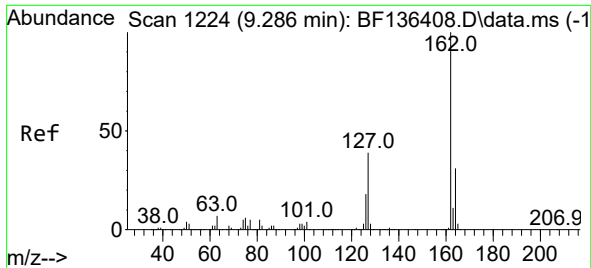
Ion Ratio Lower Upper

154 100

153 40.4 22.5 62.5

76 10.6 0.0 29.9

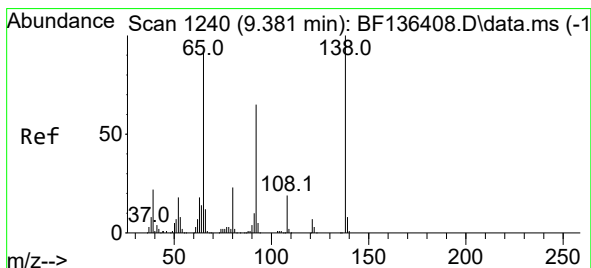
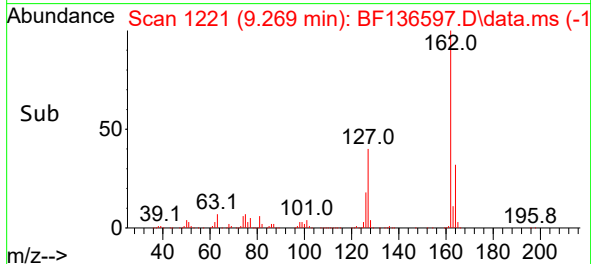
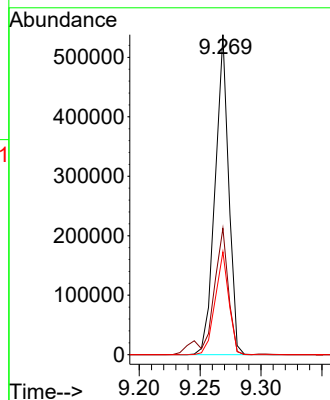
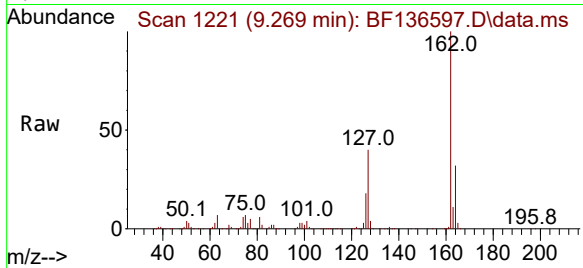




#47
2-Chloronaphthalene
Concen: 40.591 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

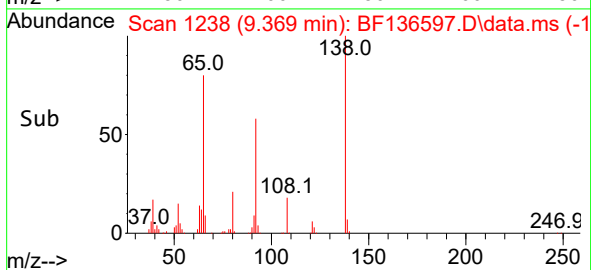
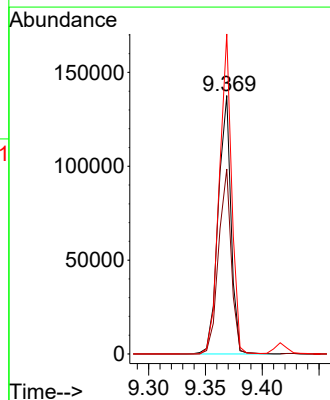
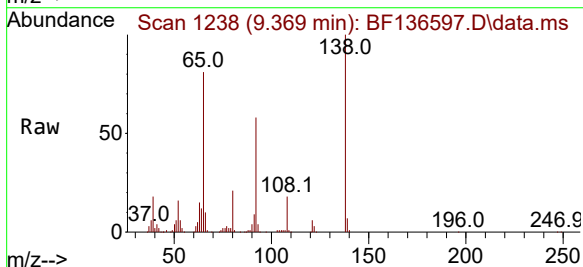
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

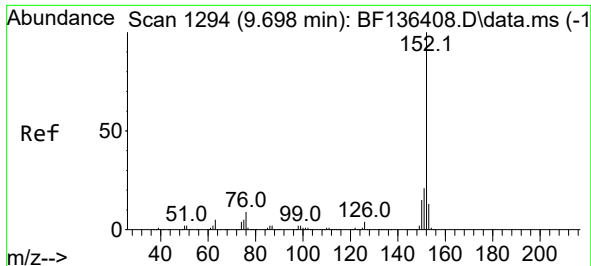
Tgt Ion:162 Resp: 419152
Ion Ratio Lower Upper
162 100
127 39.5 31.1 46.7
164 32.1 24.6 37.0



#48
2-Nitroaniline
Concen: 38.962 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion: 65 Resp: 107907
Ion Ratio Lower Upper
65 100
92 71.6 56.1 84.1
138 123.8 86.7 130.1

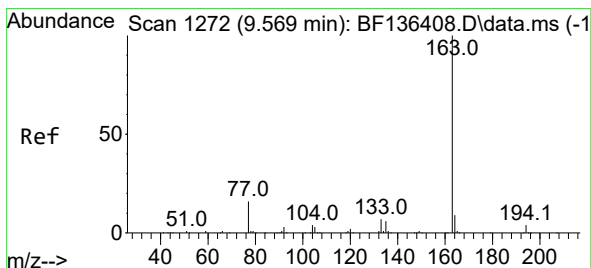
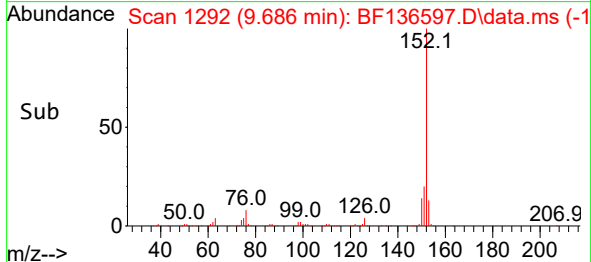
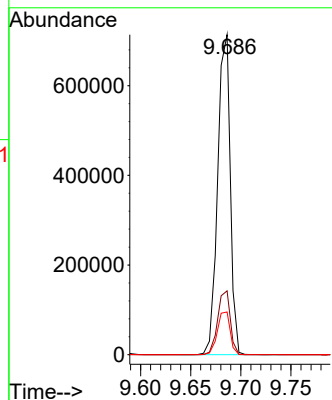
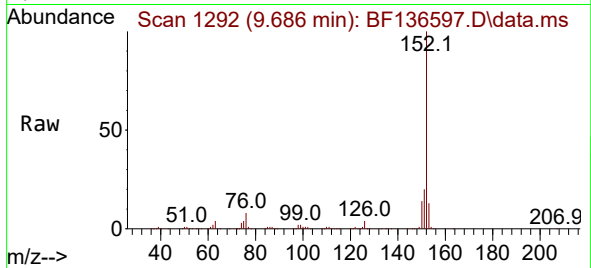




#49
Acenaphthylene
Concen: 42.343 ng
RT: 9.686 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

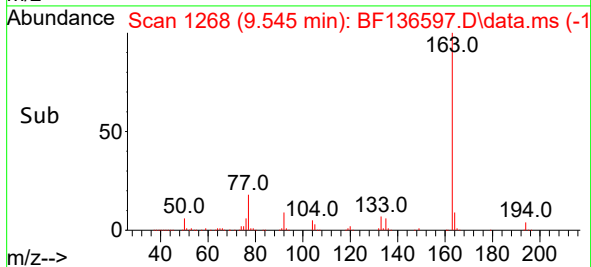
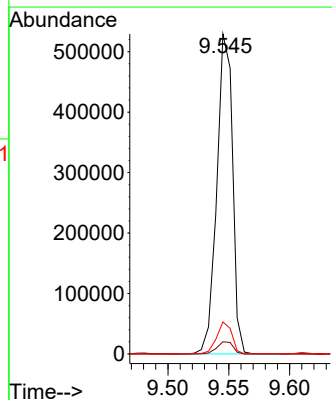
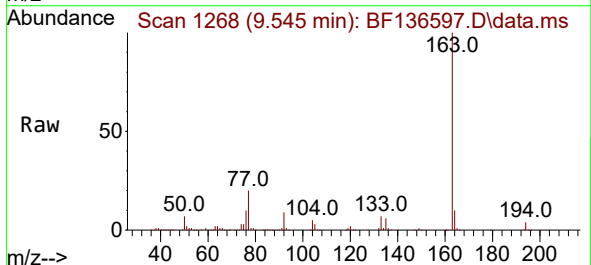
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

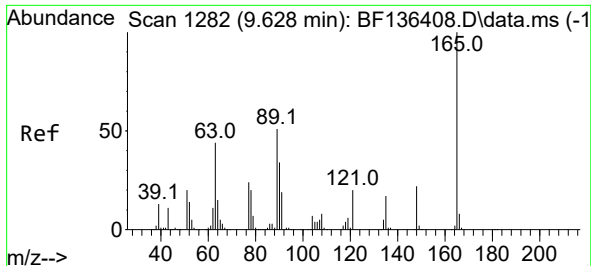
Tgt Ion:152 Resp: 622864
Ion Ratio Lower Upper
152 100
151 19.9 17.2 25.8
153 13.4 10.6 15.8



#50
Dimethylphthalate
Concen: 41.490 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:163 Resp: 476285
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.0 7.4 11.2

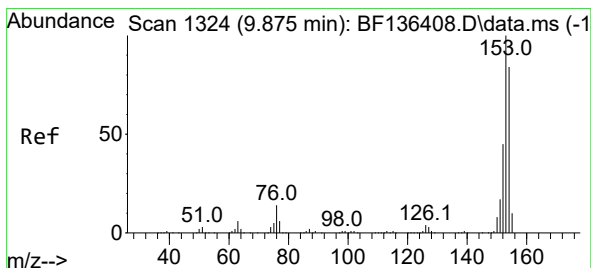
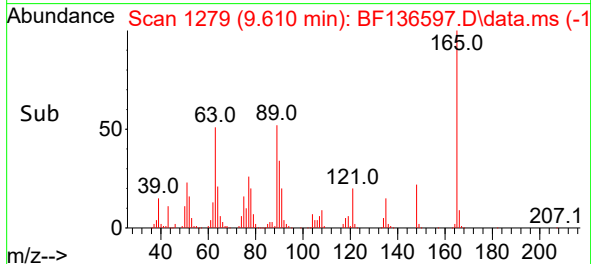
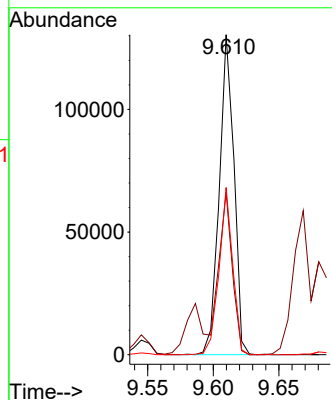
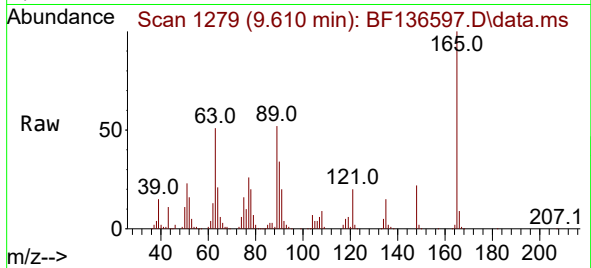




#51
2,6-Dinitrotoluene
Concen: 39.187 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

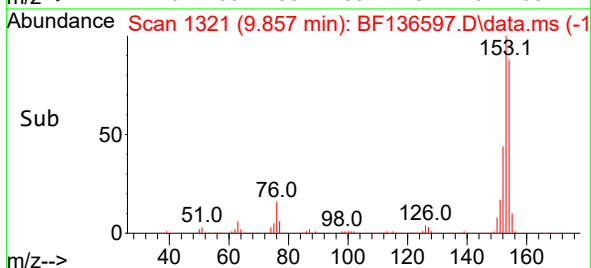
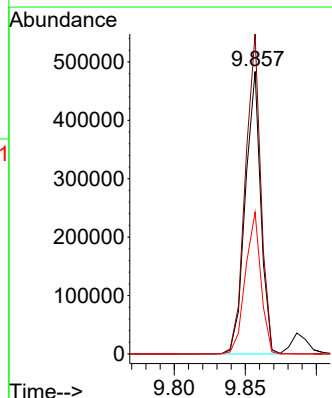
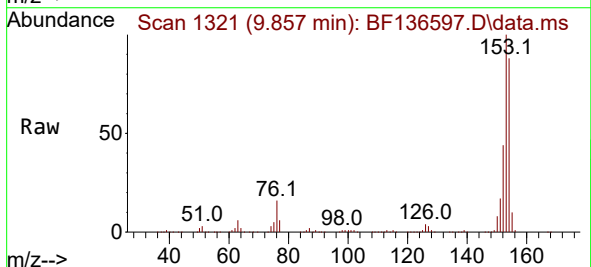
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

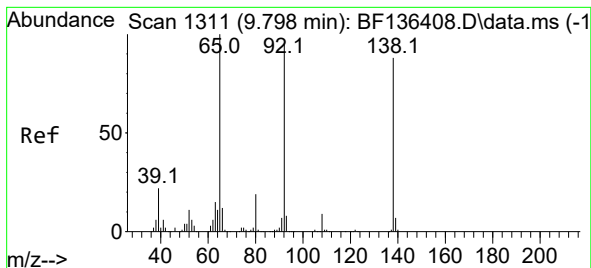
Tgt Ion:165 Resp: 101204
Ion Ratio Lower Upper
165 100
63 50.8 40.4 60.6
89 52.2 40.6 60.8



#52
Acenaphthene
Concen: 39.048 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:154 Resp: 368084
Ion Ratio Lower Upper
154 100
153 113.2 95.3 142.9
152 50.2 43.2 64.8





#53

3-Nitroaniline

Concen: 27.927 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

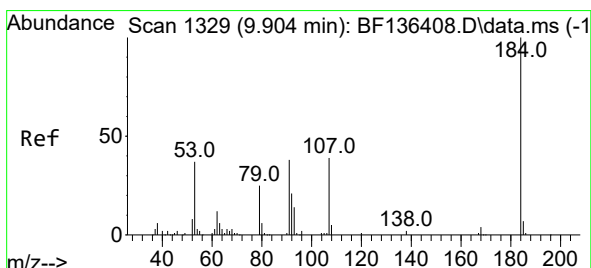
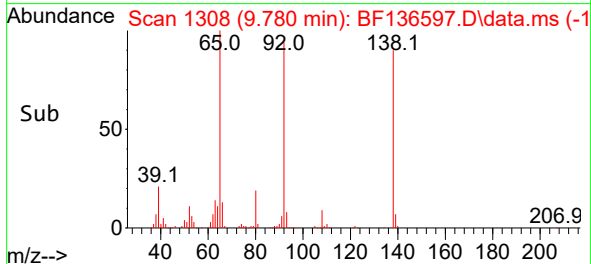
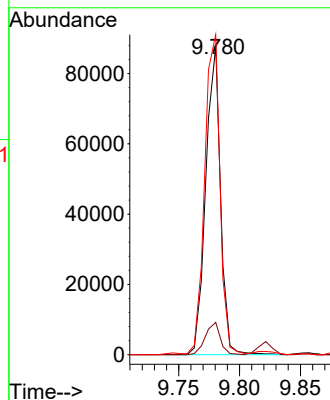
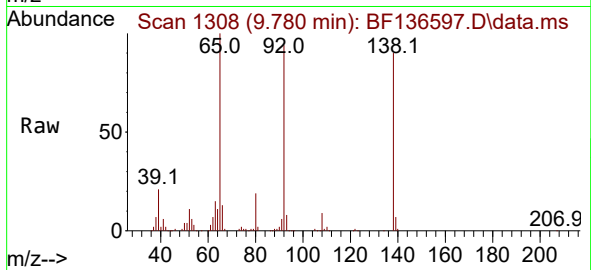
Tgt Ion:138 Resp: 73649

Ion Ratio Lower Upper

138 100

108 10.5 8.5 12.7

92 103.9 86.1 129.1



#54

2,4-Dinitrophenol

Concen: 35.875 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

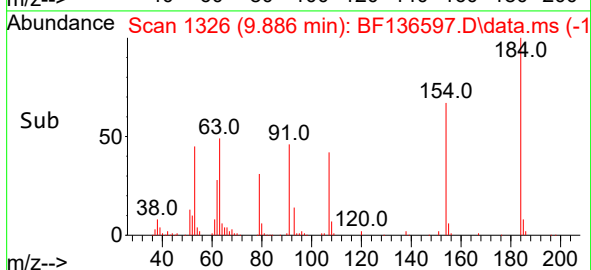
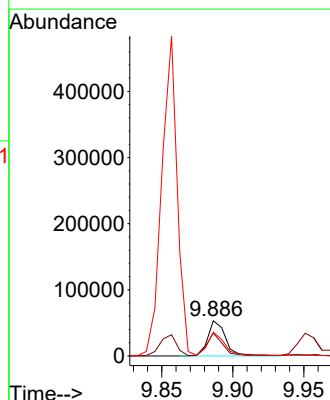
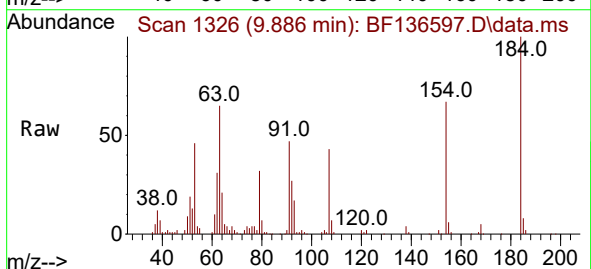
Tgt Ion:184 Resp: 46844

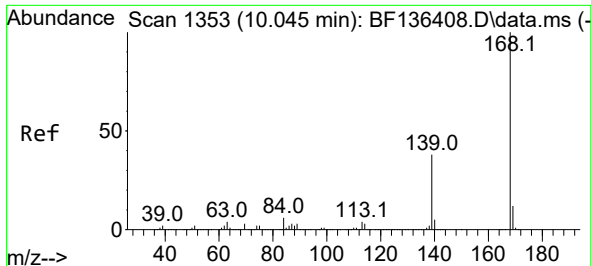
Ion Ratio Lower Upper

184 100

63 65.2 39.1 58.7#

154 67.5 49.9 74.9

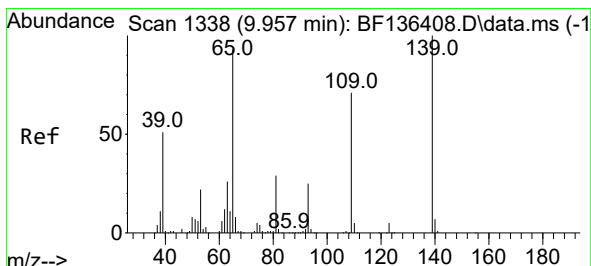
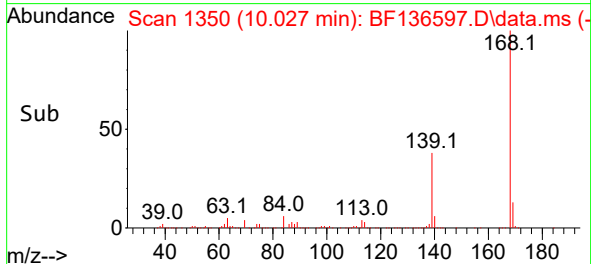
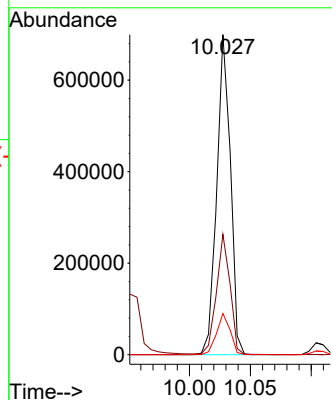
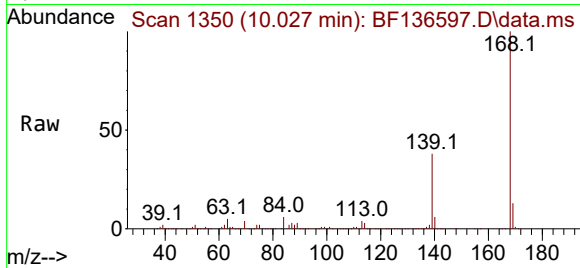




#55
Dibenzenofuran
Concen: 39.515 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

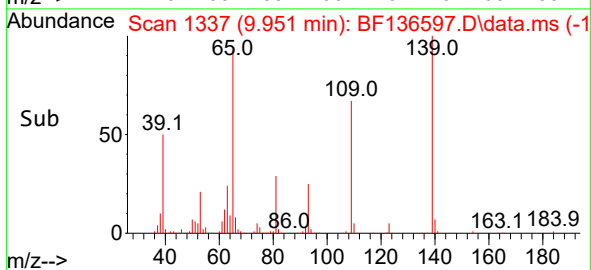
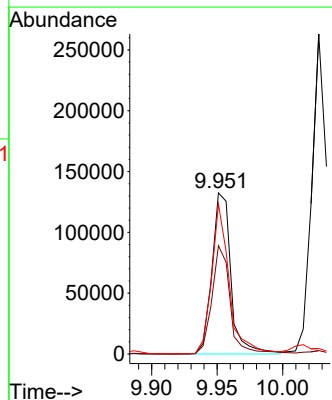
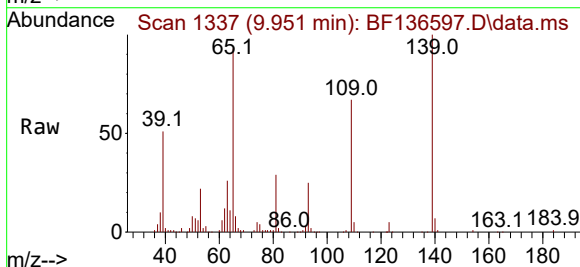
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

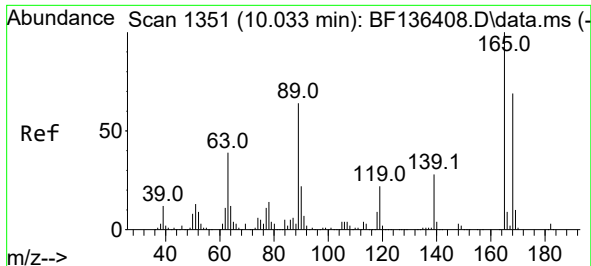
Tgt Ion:168 Resp: 544155
Ion Ratio Lower Upper
168 100
139 37.6 30.4 45.6
169 12.9 9.9 14.9



#56
4-Nitrophenol
Concen: 67.448 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:139 Resp: 133345
Ion Ratio Lower Upper
139 100
109 67.2 50.6 90.6
65 93.0 73.1 113.1

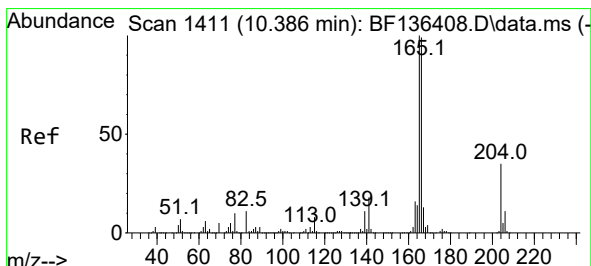
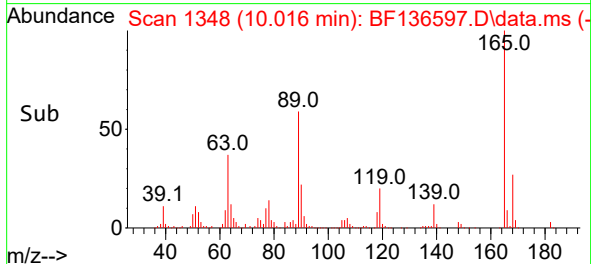
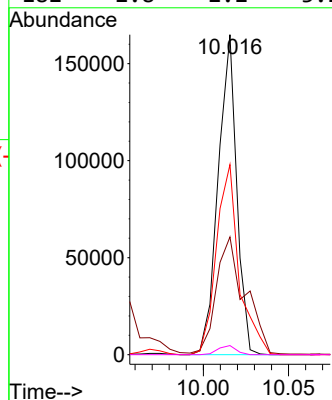
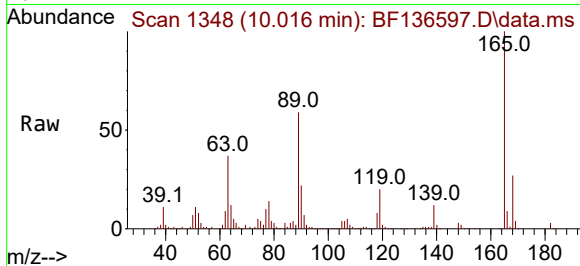




#57
2,4-Dinitrotoluene
Concen: 36.546 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

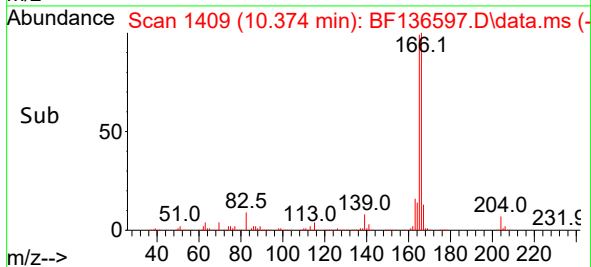
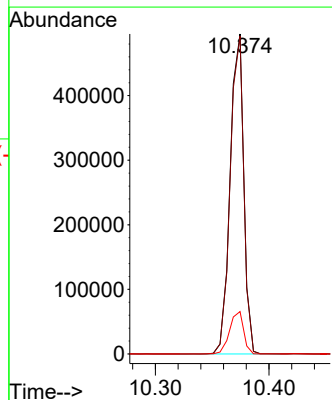
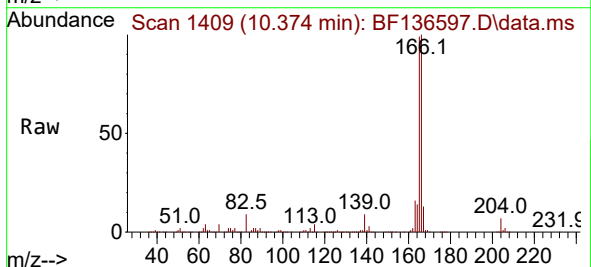
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

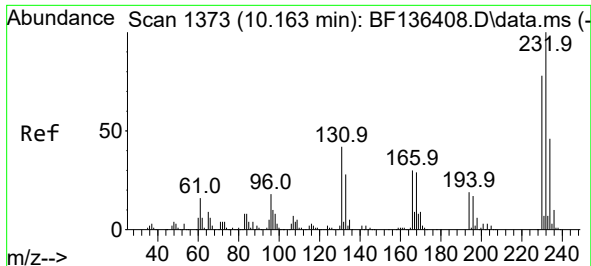
Tgt Ion:165 Resp: 124856
Ion Ratio Lower Upper
165 100
63 36.8 31.4 47.2
89 59.4 51.7 77.5
182 2.8 2.2 3.2



#58
Fluorene
Concen: 37.301 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:166 Resp: 412329
Ion Ratio Lower Upper
166 100
165 99.4 80.5 120.7
167 13.3 10.5 15.7

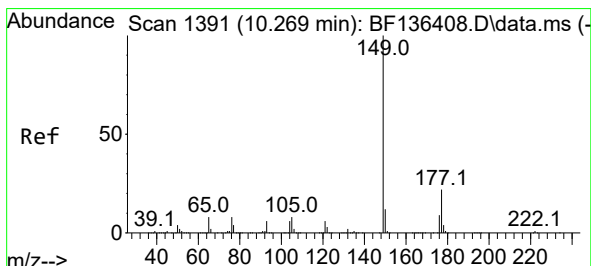
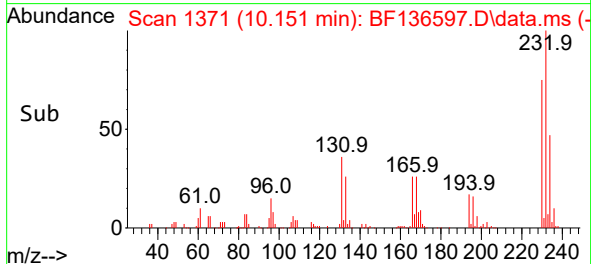
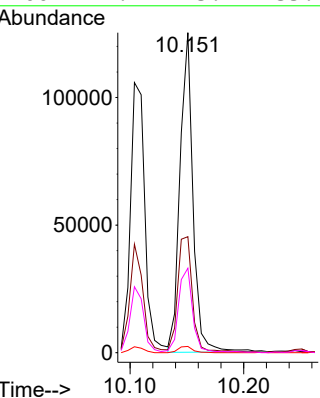
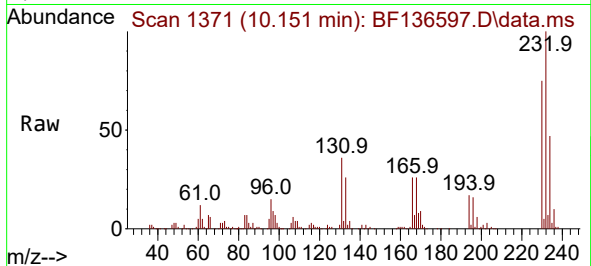




#59
2,3,4,6-Tetrachlorophenol
Concen: 35.426 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

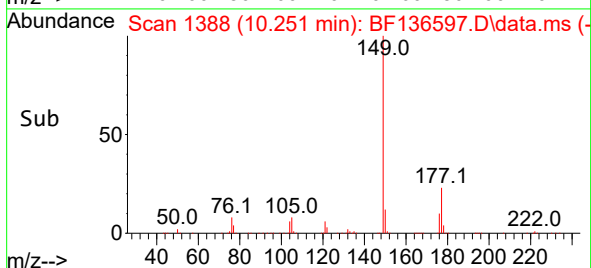
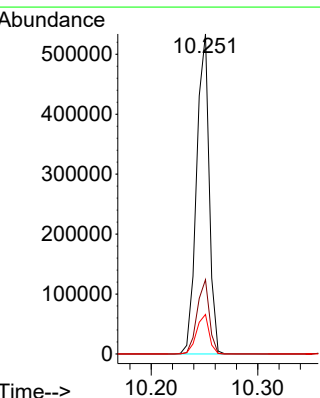
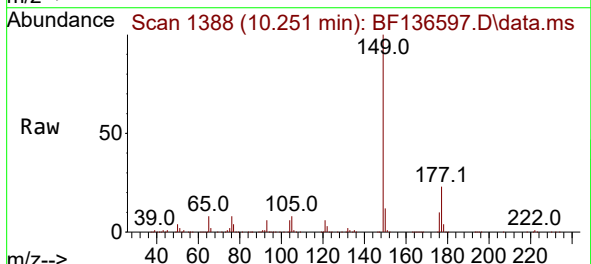
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

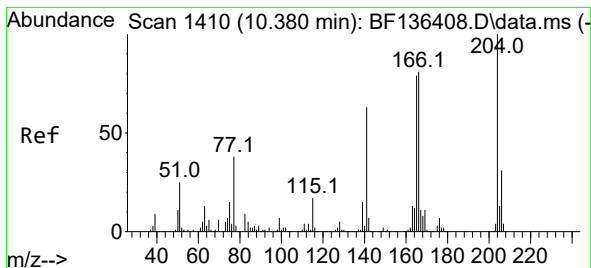
Tgt Ion:232 Resp: 100035
Ion Ratio Lower Upper
232 100
131 41.3 34.3 51.5
130 2.2 1.6 2.4
166 29.2 23.9 35.9



#60
Diethylphthalate
Concen: 38.885 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:149 Resp: 438944
Ion Ratio Lower Upper
149 100
177 23.2 17.8 26.8
150 12.4 9.4 14.0

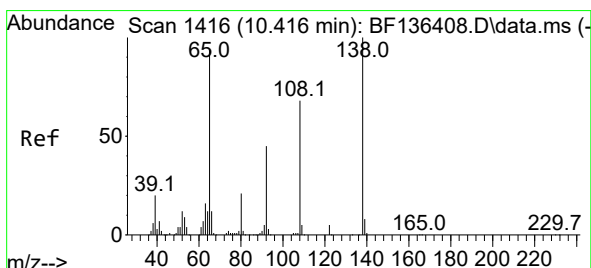
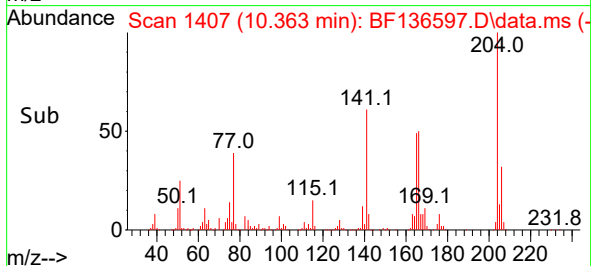
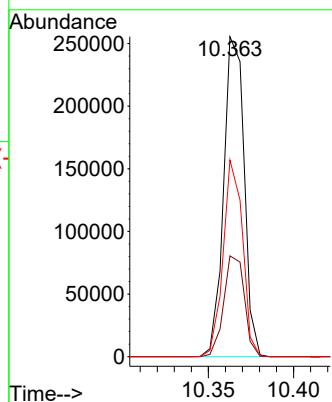
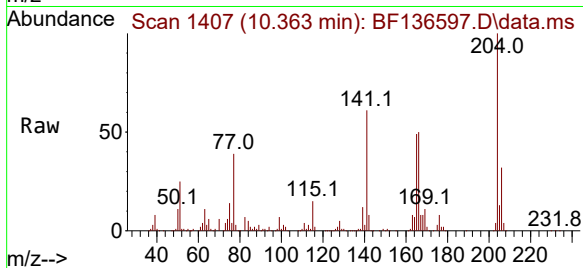




#61
4-Chlorophenyl-phenylether
Concen: 39.594 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

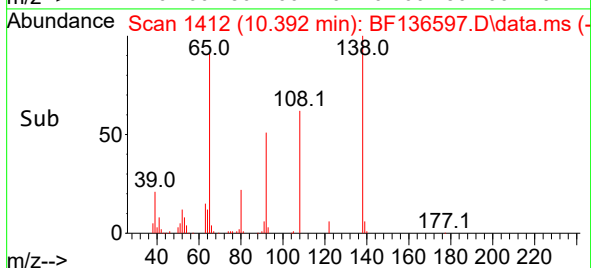
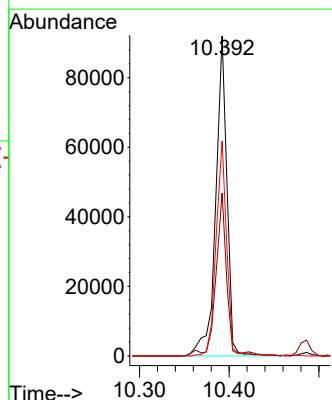
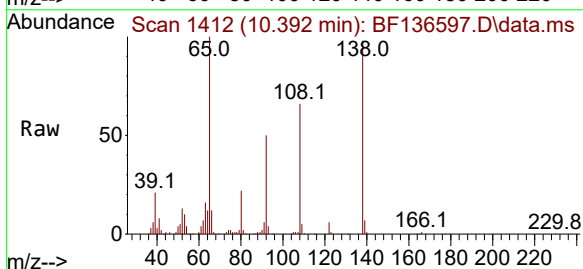
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

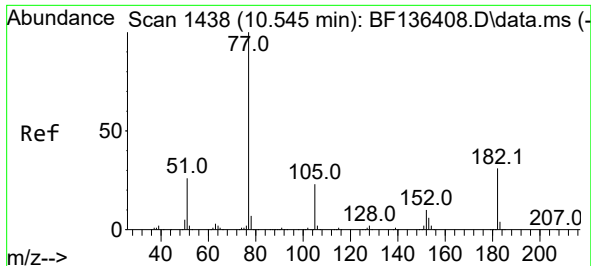
Tgt Ion:204 Resp: 213365
Ion Ratio Lower Upper
204 100
206 31.5 24.6 36.8
141 61.4 50.3 75.5



#62
4-Nitroaniline
Concen: 30.577 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:138 Resp: 80071
Ion Ratio Lower Upper
138 100
92 50.9 25.0 65.0
108 67.1 47.9 87.9

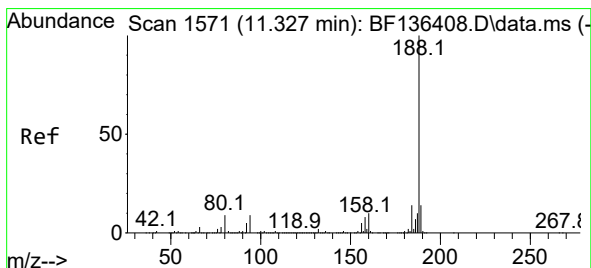
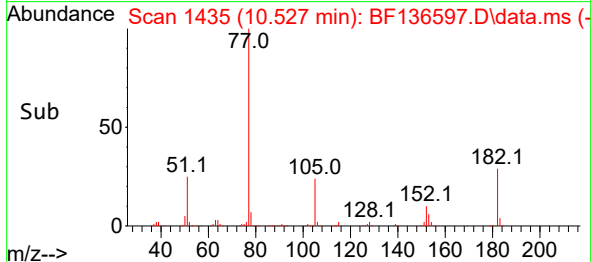
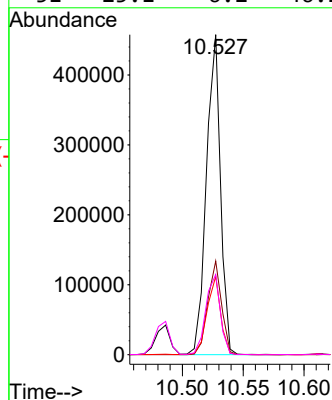
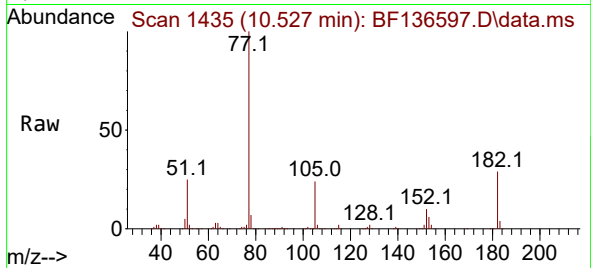




#63
 Azobenzene
 Concen: 35.656 ng
 RT: 10.527 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

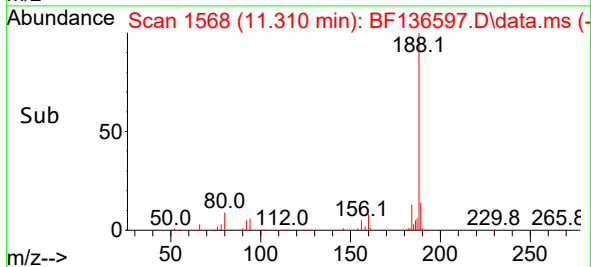
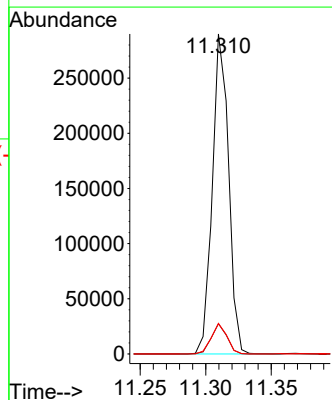
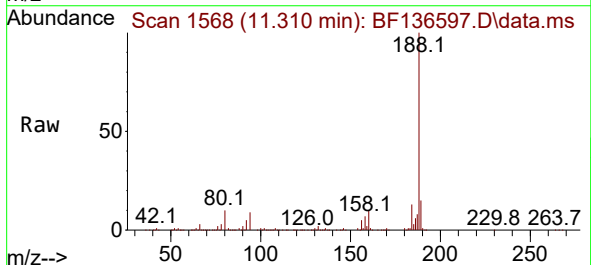
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

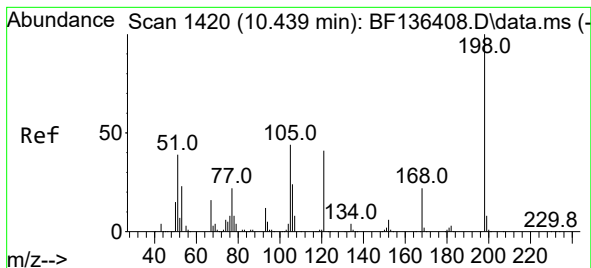
Tgt Ion: 77	Resp: 366349
Ion Ratio	Lower Upper
77 100	
182 29.3	10.8 50.8
105 24.4	2.6 42.6
51 25.1	6.2 46.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.310 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

Tgt Ion:188	Resp: 249938
Ion Ratio	Lower Upper
188 100	
94 9.4	7.2 10.8
80 9.6	7.2 10.8

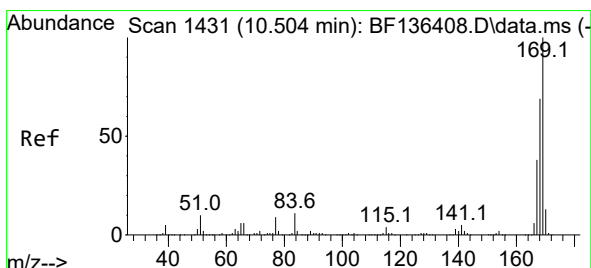
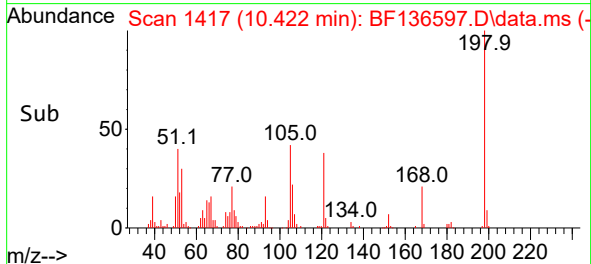
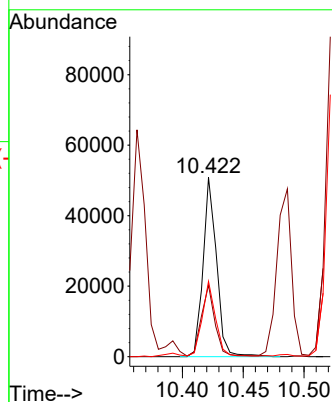
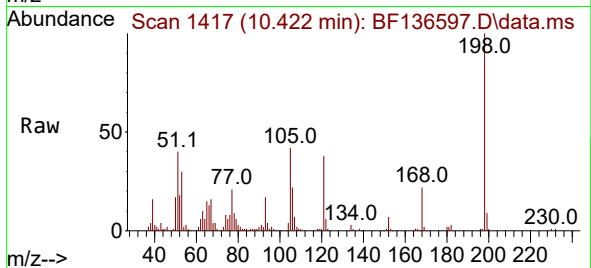




#65
4,6-Dinitro-2-methylphenol
Concen: 25.435 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

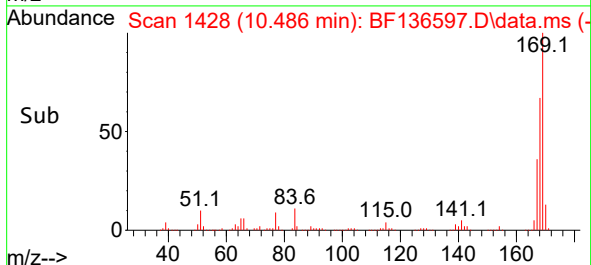
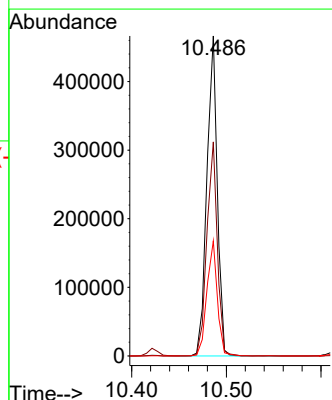
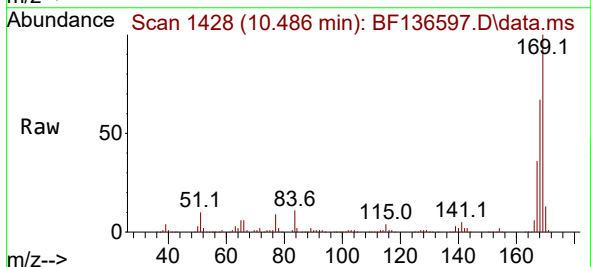
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

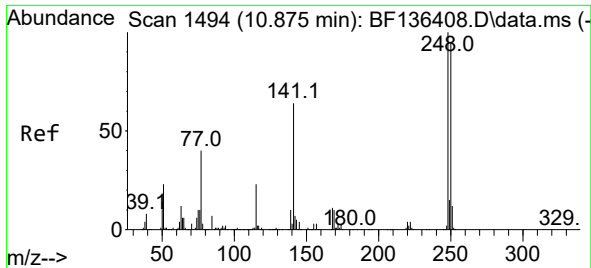
Tgt Ion:198 Resp: 39371
Ion Ratio Lower Upper
198 100
51 39.9 24.1 64.1
105 42.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 44.351 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:169 Resp: 355696
Ion Ratio Lower Upper
169 100
168 66.9 55.3 82.9
167 35.9 30.1 45.1

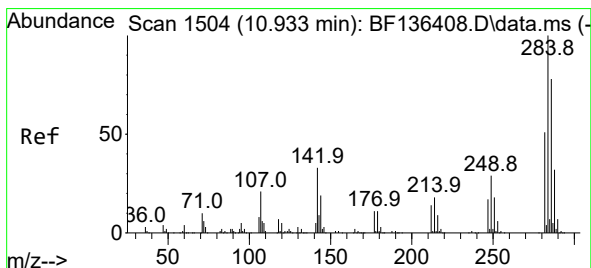
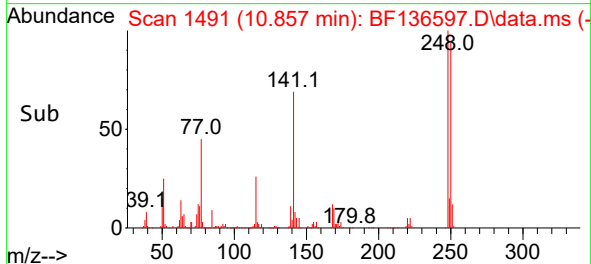
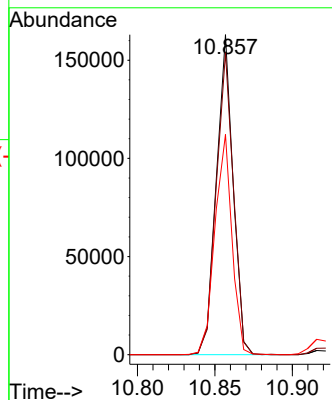
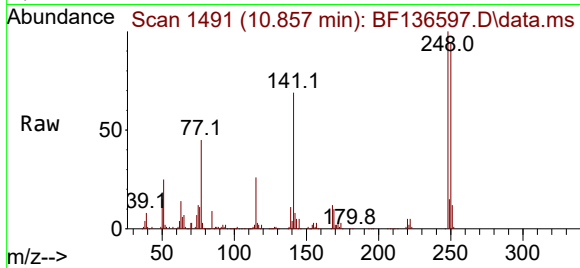




#67
4-Bromophenyl-phenylether
Concen: 42.271 ng
RT: 10.857 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

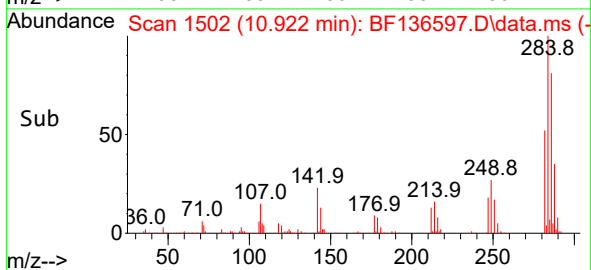
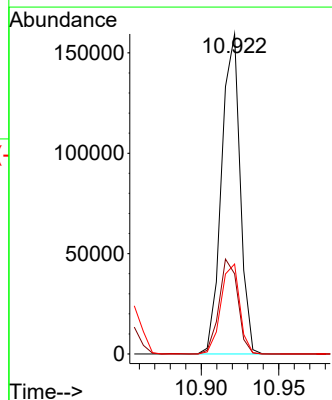
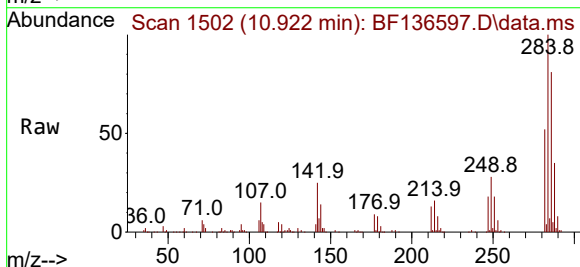
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

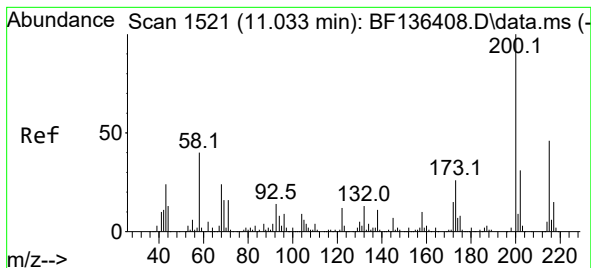
Tgt Ion:248 Resp: 122837
Ion Ratio Lower Upper
248 100
250 94.3 76.2 114.2
141 68.8 51.0 76.4



#68
Hexachlorobenzene
Concen: 39.454 ng
RT: 10.922 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:284 Resp: 132510
Ion Ratio Lower Upper
284 100
142 25.0 26.5 39.7#
249 28.1 23.4 35.0





#69

Atrazine

Concen: 49.766 ng

RT: 11.016 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

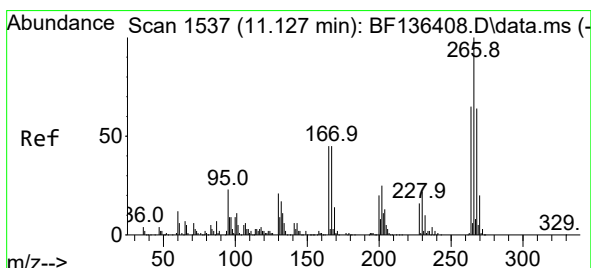
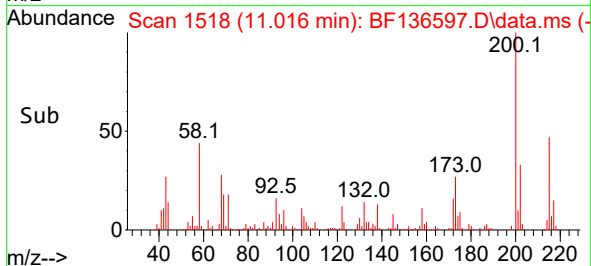
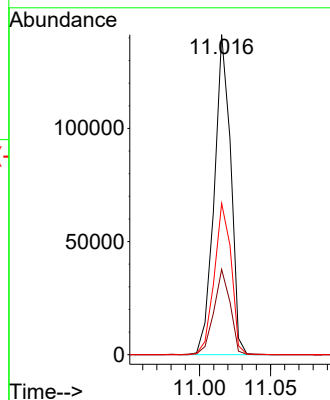
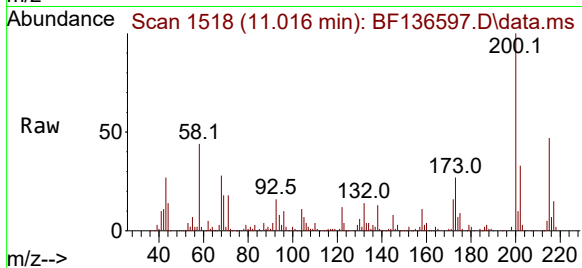
Tgt Ion:200 Resp: 113917

Ion Ratio Lower Upper

200 100

173 26.7 6.0 46.0

215 47.3 25.5 65.5



#70

Pentachlorophenol

Concen: 68.714 ng

RT: 11.121 min Scan# 1536

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

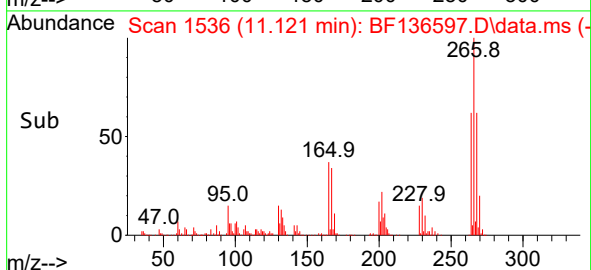
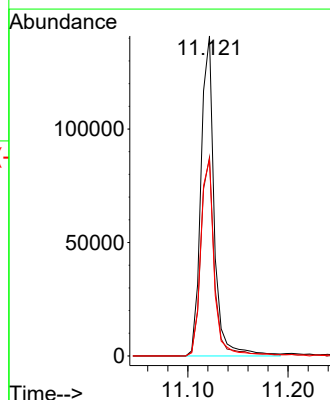
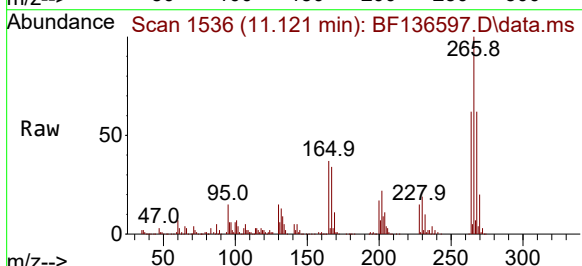
Tgt Ion:266 Resp: 130249

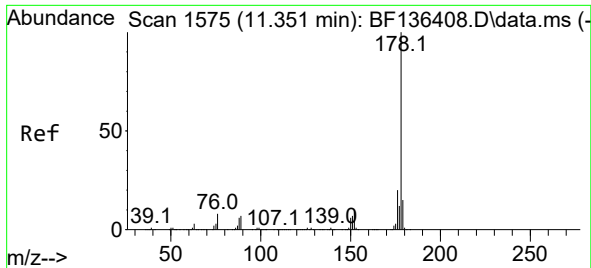
Ion Ratio Lower Upper

266 100

268 62.0 51.0 76.6

264 61.5 52.2 78.4

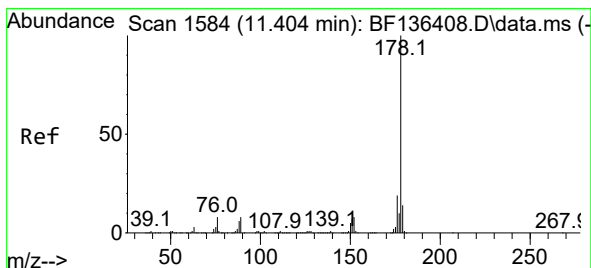
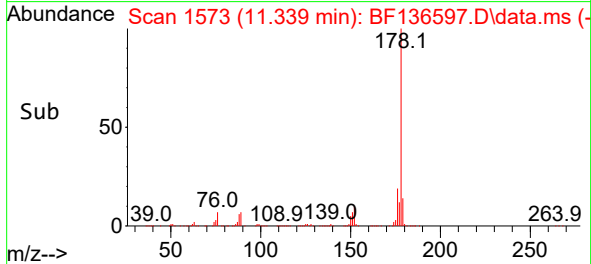
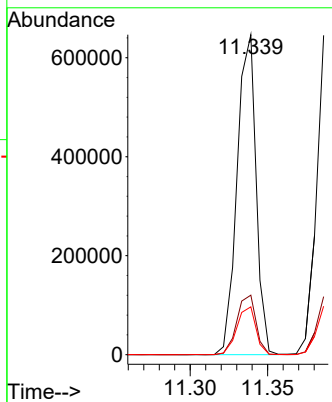
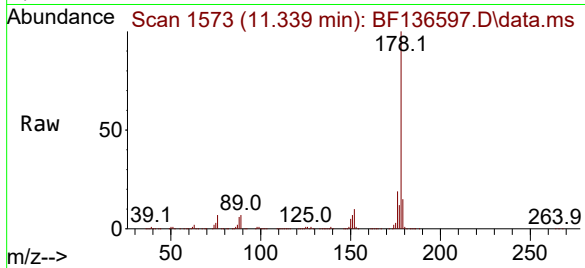




#71
Phenanthrene
Concen: 40.102 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

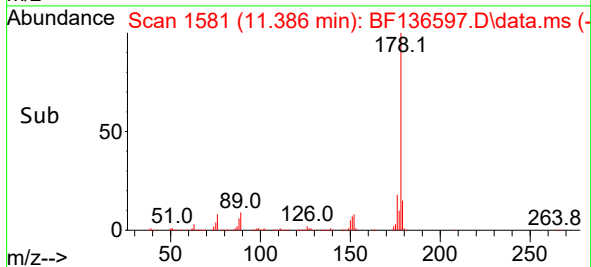
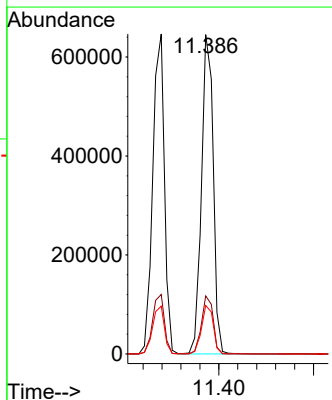
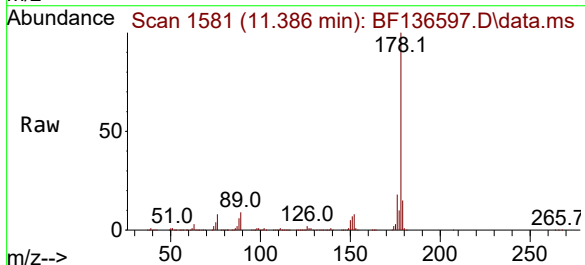
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

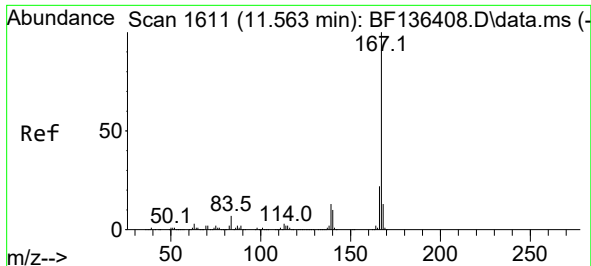
Tgt Ion:178 Resp: 550905
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.0 11.8 17.6



#72
Anthracene
Concen: 40.106 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:178 Resp: 554934
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 15.2 11.4 17.0

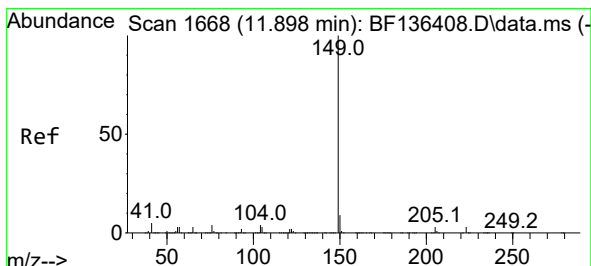
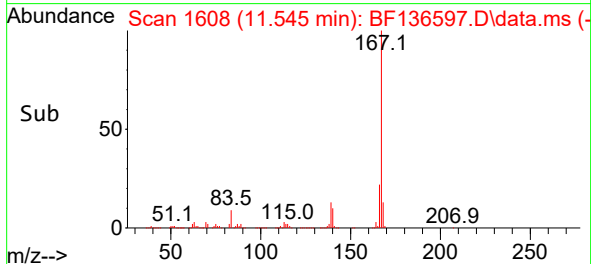
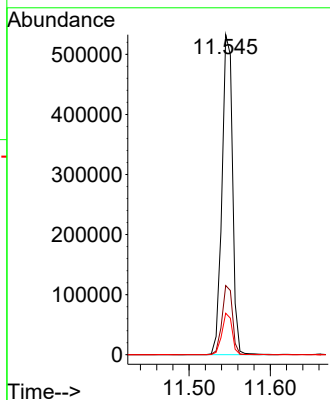
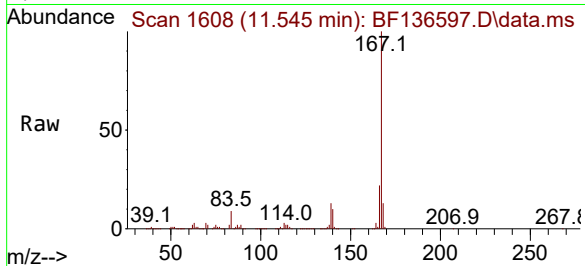




#73
Carbazole
Concen: 39.439 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

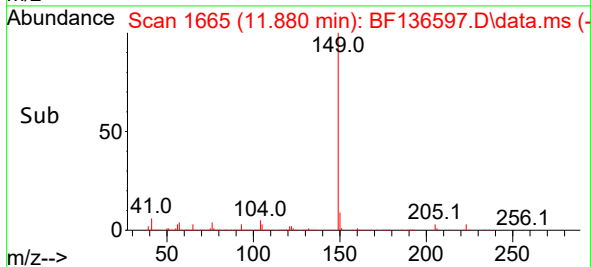
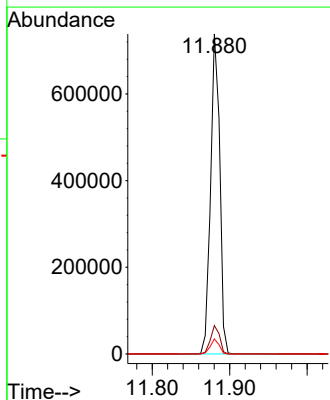
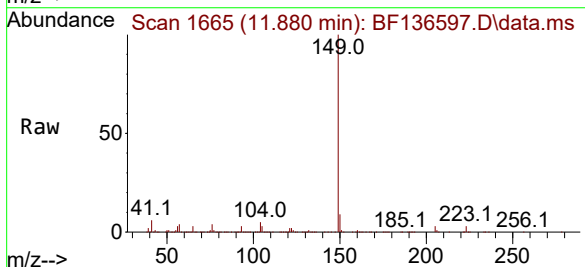
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

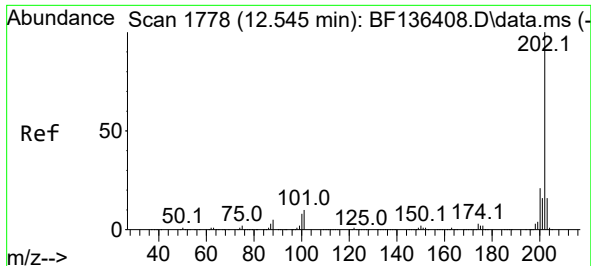
Tgt Ion:167 Resp: 483000
Ion Ratio Lower Upper
167 100
166 21.6 18.0 27.0
139 12.9 10.2 15.4



#74
Di-n-butylphthalate
Concen: 40.329 ng
RT: 11.880 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:149 Resp: 605472
Ion Ratio Lower Upper
149 100
150 8.8 6.9 10.3
104 4.7 3.5 5.3

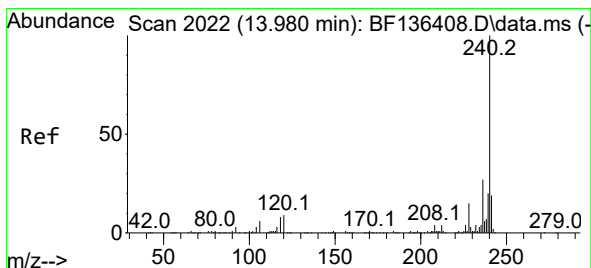
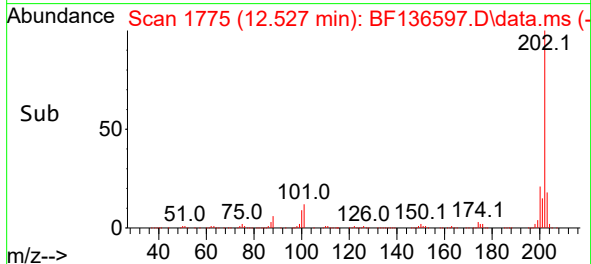
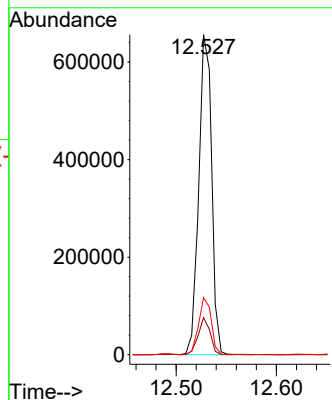
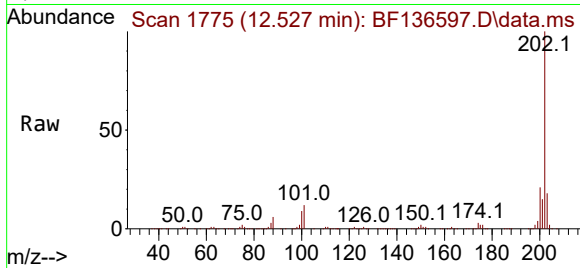




#75
Fluoranthene
Concen: 40.885 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

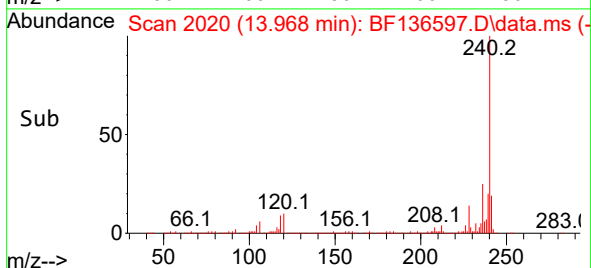
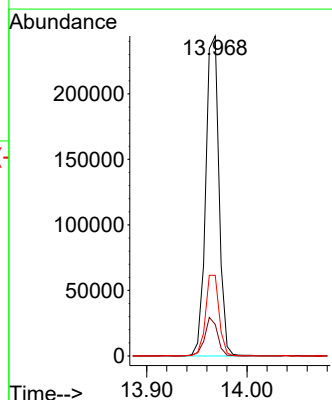
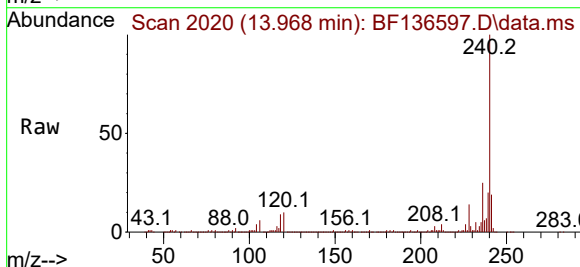
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

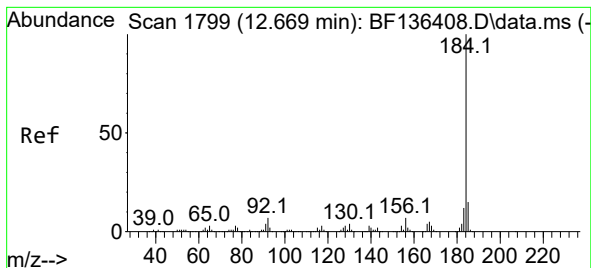
Tgt Ion:202 Resp: 588599
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.9
203 17.9 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:240 Resp: 225312
Ion Ratio Lower Upper
240 100
120 9.9 7.3 10.9
236 25.2 21.3 31.9





#77

Benzidine

Concen: 39.263 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

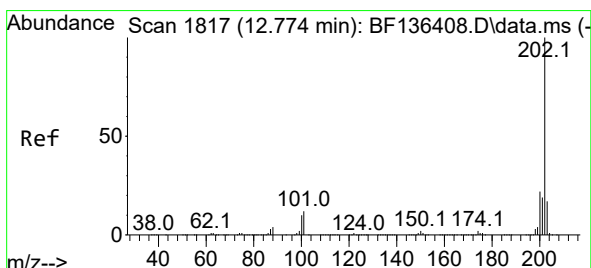
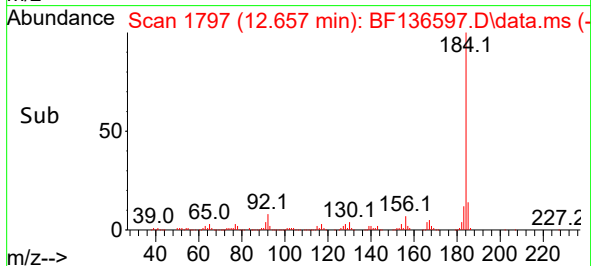
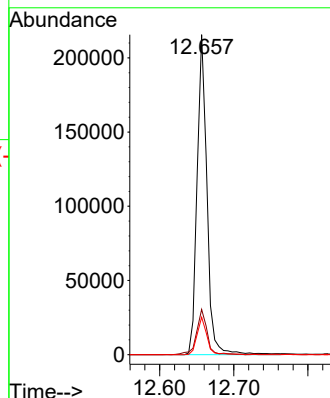
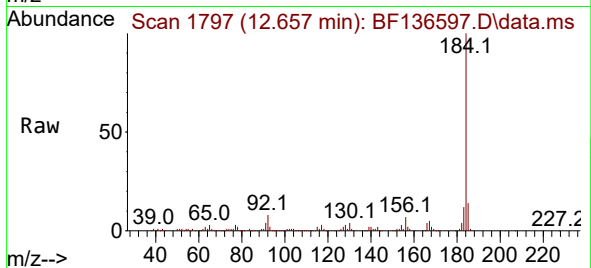
Tgt Ion:184 Resp: 199129

Ion Ratio Lower Upper

184 100

185 14.2 12.0 18.0

183 11.7 9.4 14.0



#78

Pyrene

Concen: 28.172 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

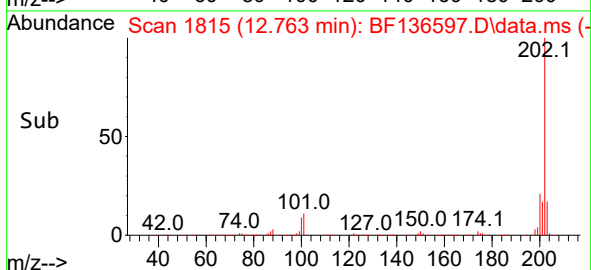
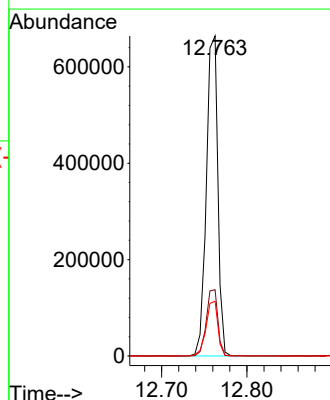
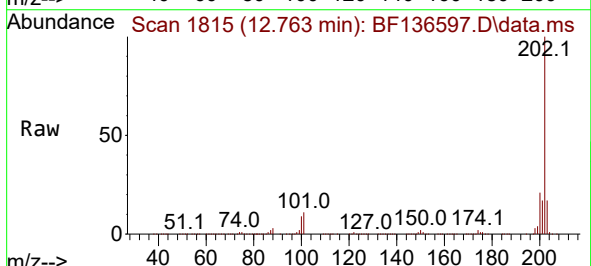
Tgt Ion:202 Resp: 621642

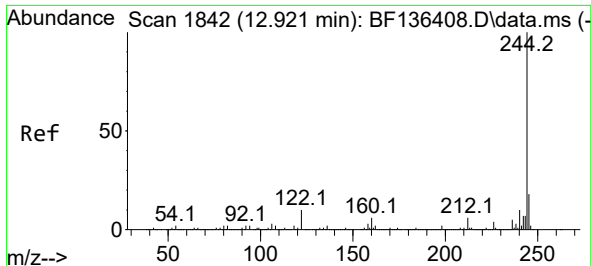
Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

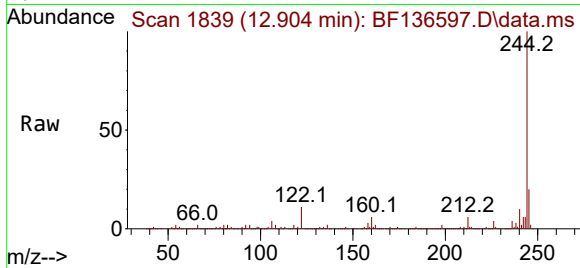
203 17.1 13.5 20.3



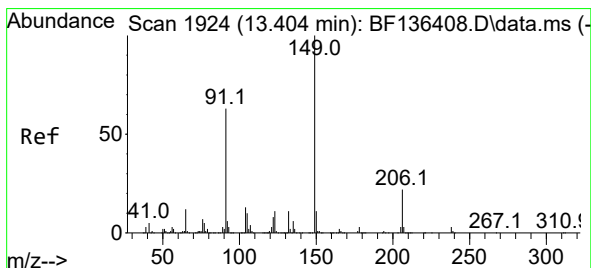
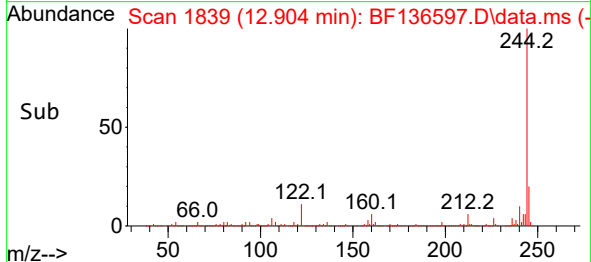
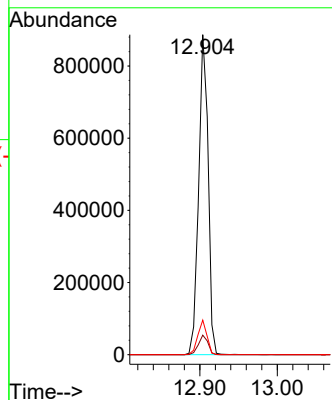


#79
 Terphenyl-d14
 Concen: 43.947 ng
 RT: 12.904 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

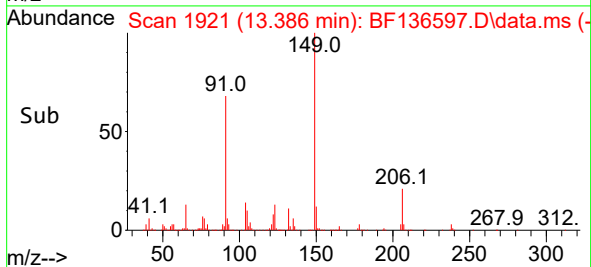
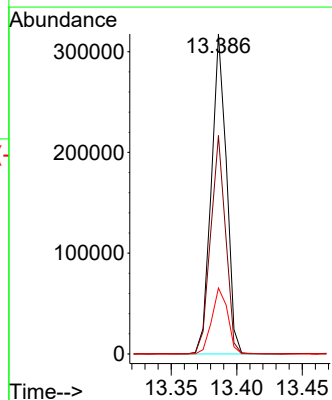
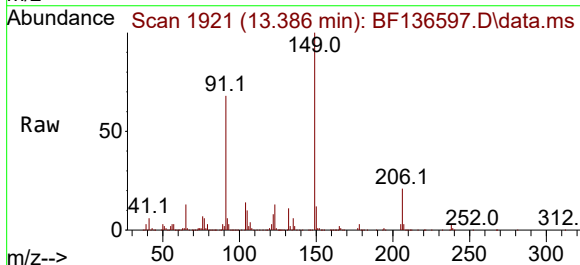


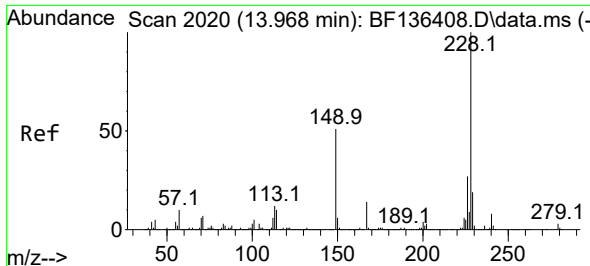
Tgt Ion:244 Resp: 751251
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.8 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 32.434 ng
 RT: 13.386 min Scan# 1921
 Delta R.T. -0.000 min
 Lab File: BF136597.D
 Acq: 15 Dec 2023 17:29

Tgt Ion:149 Resp: 254775
 Ion Ratio Lower Upper
 149 100
 91 68.3 50.5 75.7
 206 20.6 17.4 26.2

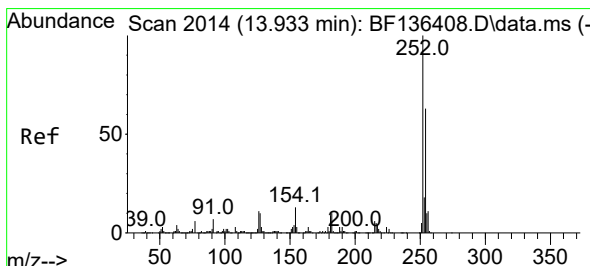
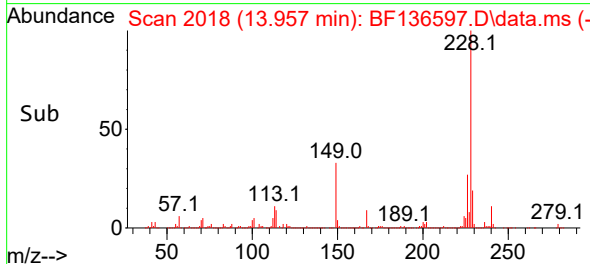
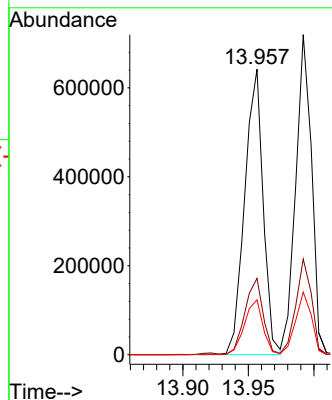
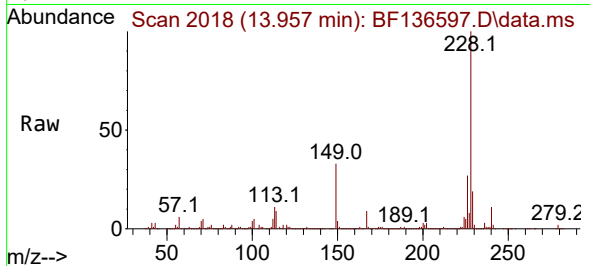




#81
Benzo(a)anthracene
Concen: 40.128 ng
RT: 13.957 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

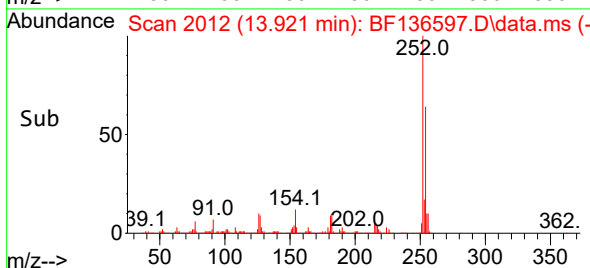
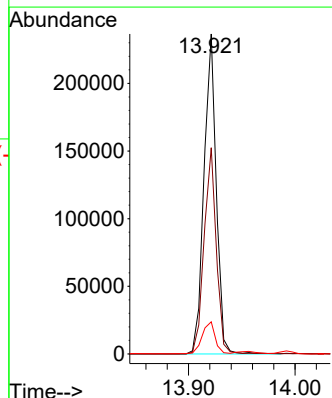
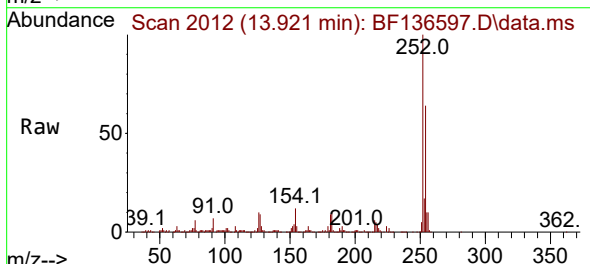
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

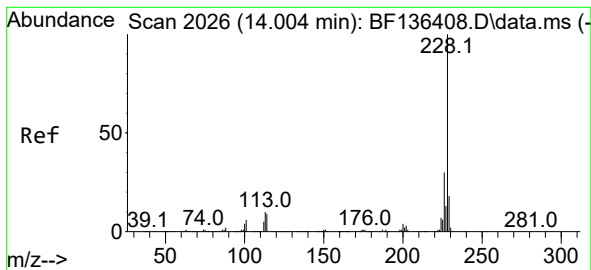
Tgt Ion:228 Resp: 629777
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.8
229 19.2 15.0 22.4



#82
3,3'-Dichlorobenzidine
Concen: 43.257 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:252 Resp: 190347
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 10.1 8.6 12.8





#83

Chrysene

Concen: 39.023 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

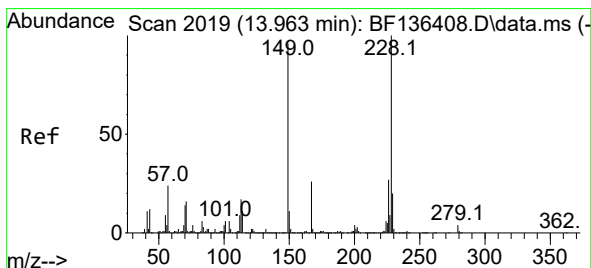
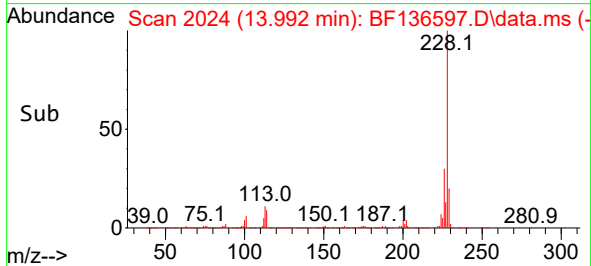
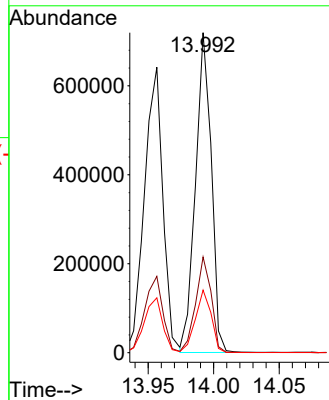
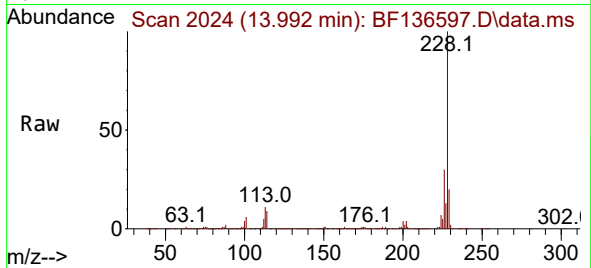
Tgt Ion:228 Resp: 602555

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

229 19.5 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.445 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

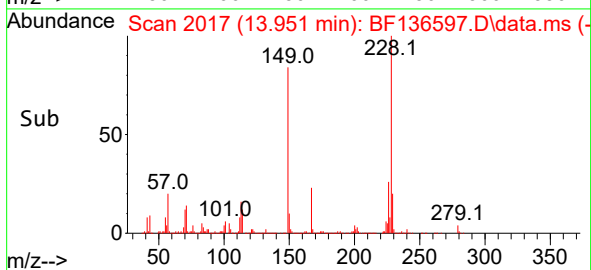
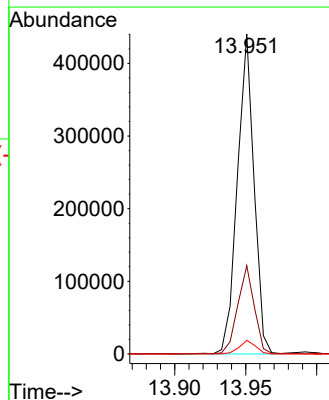
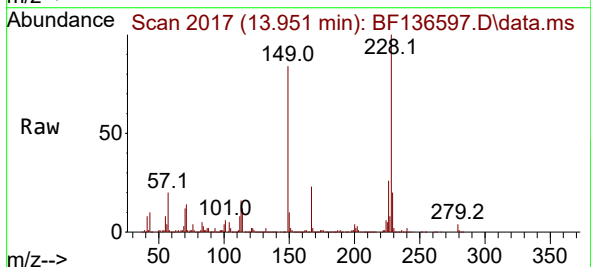
Tgt Ion:149 Resp: 360582

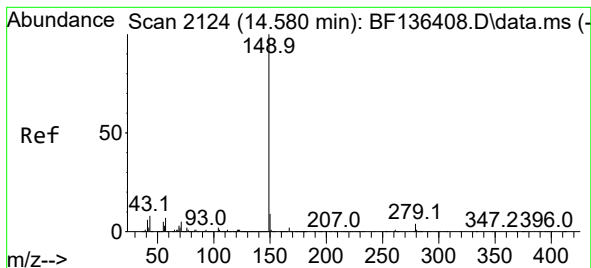
Ion Ratio Lower Upper

149 100

167 27.6 21.2 31.8

279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 48.406 ng

RT: 14.568 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

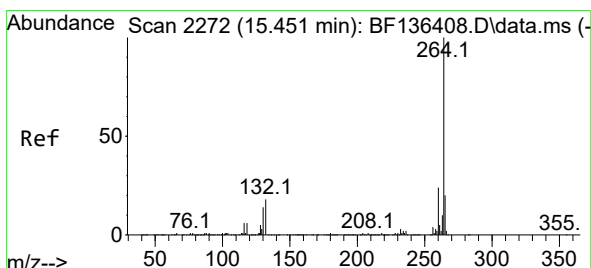
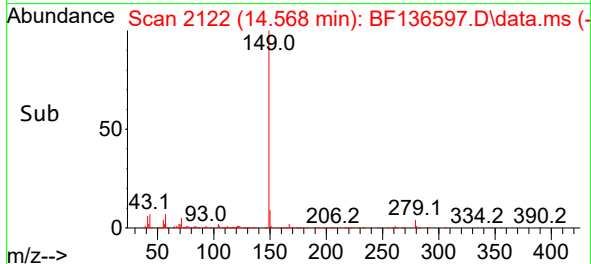
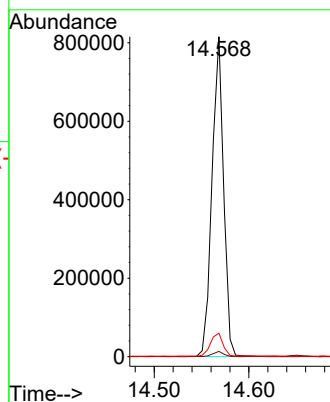
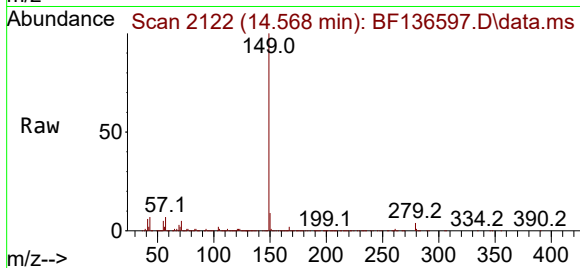
Tgt Ion:149 Resp: 688526

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.8 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

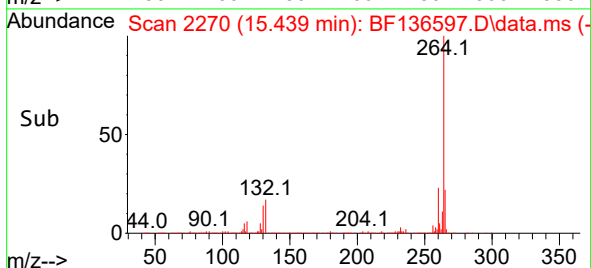
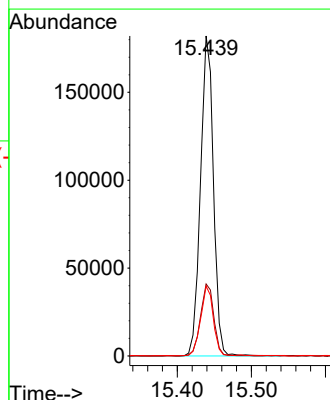
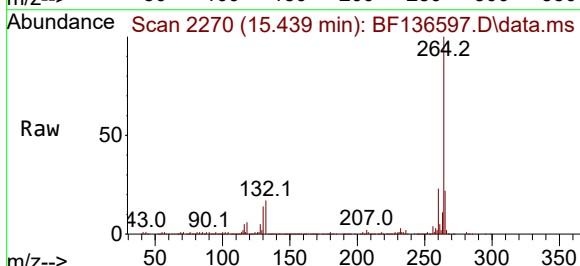
Tgt Ion:264 Resp: 221214

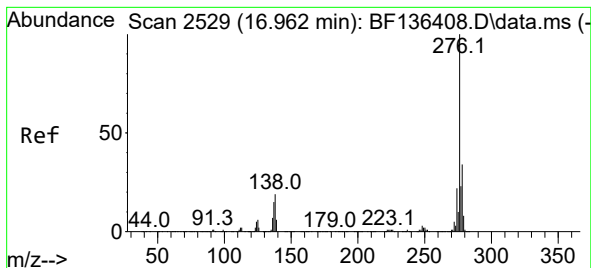
Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 21.8 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 29.127 ng

RT: 16.939 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

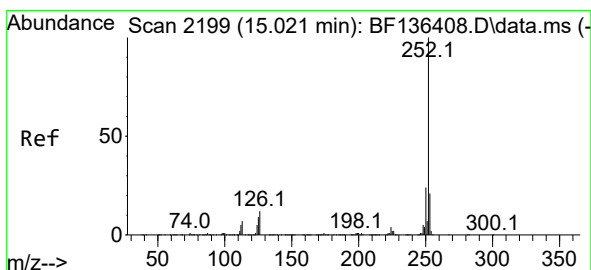
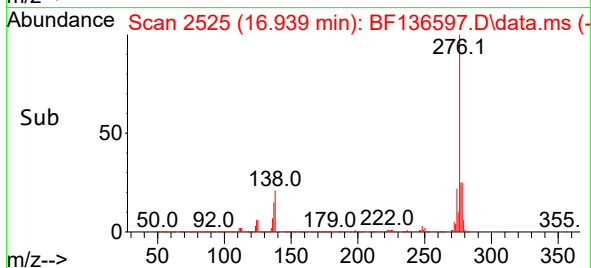
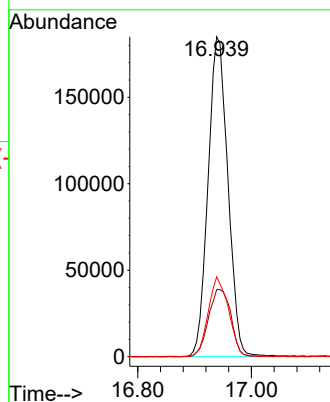
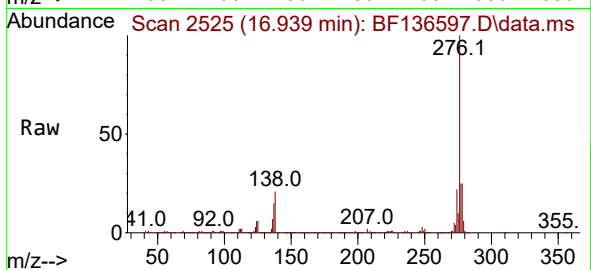
Tgt Ion:276 Resp: 447623

Ion Ratio Lower Upper

276 100

138 23.8 19.0 28.4

277 25.6 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 39.894 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

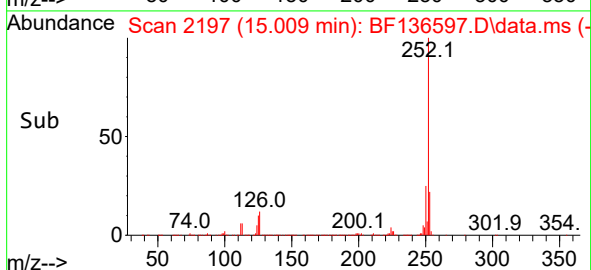
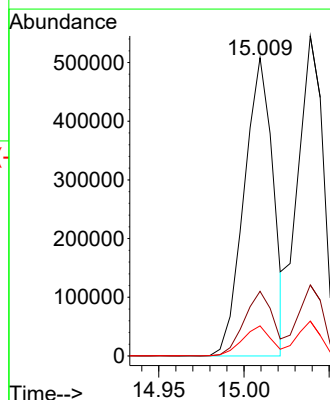
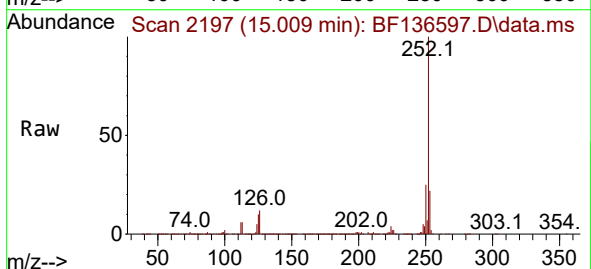
Tgt Ion:252 Resp: 603398

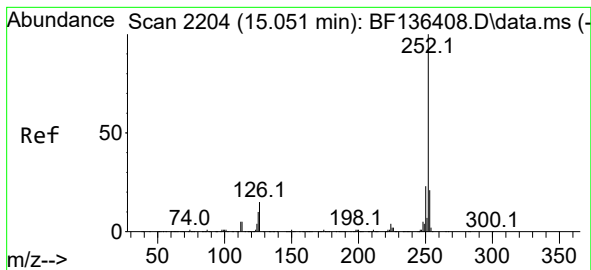
Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

125 10.1 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 39.819 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MS

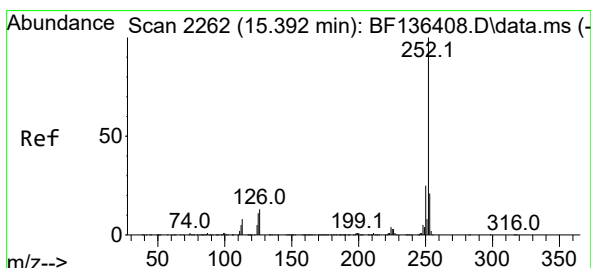
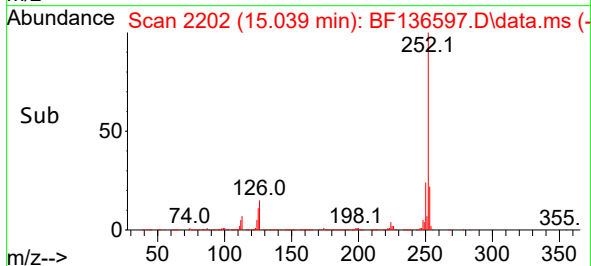
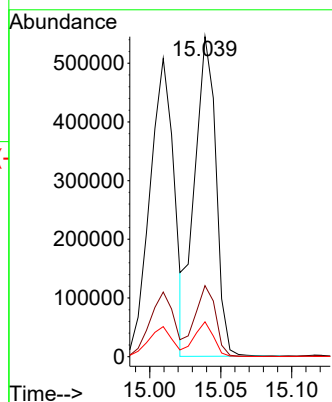
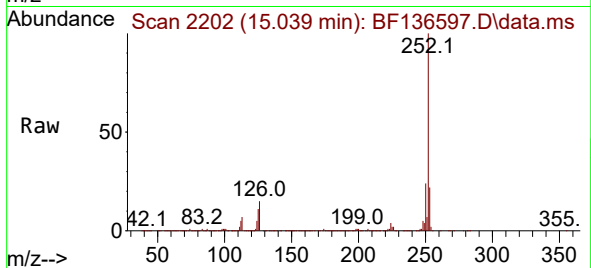
Tgt Ion:252 Resp: 567580

Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 10.9 7.5 11.3



#90

Benzo(a)pyrene

Concen: 39.530 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF136597.D

Acq: 15 Dec 2023 17:29

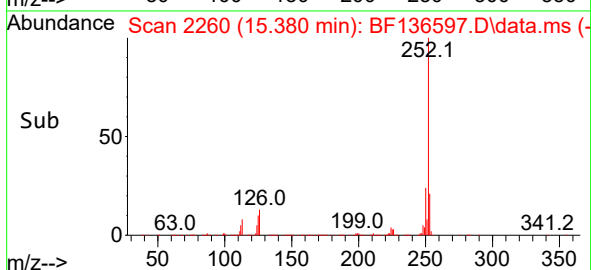
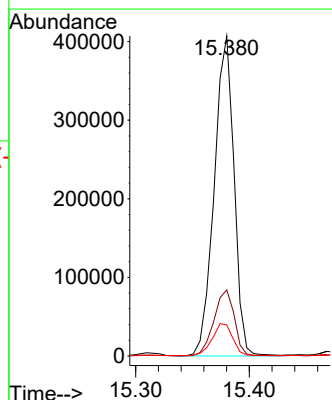
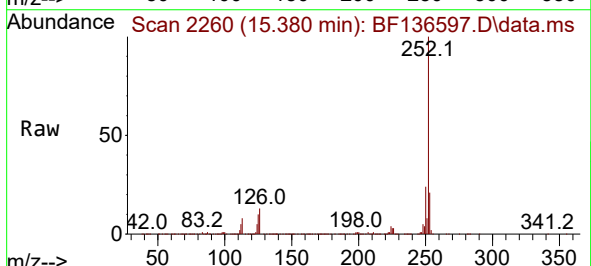
Tgt Ion:252 Resp: 493765

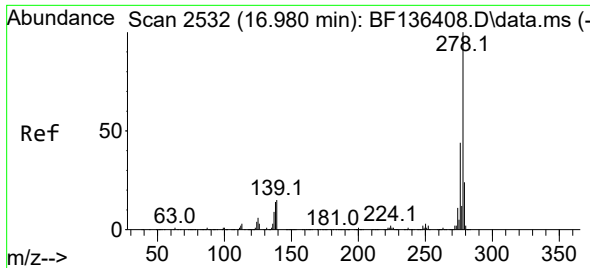
Ion Ratio Lower Upper

252 100

253 20.7 17.0 25.4

125 9.7 8.6 13.0

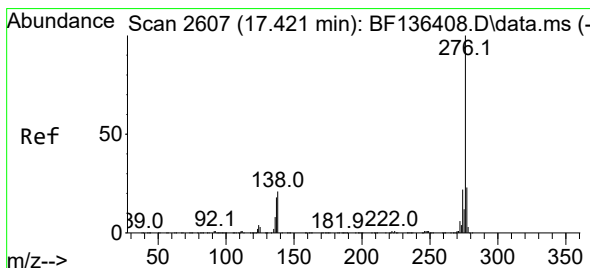
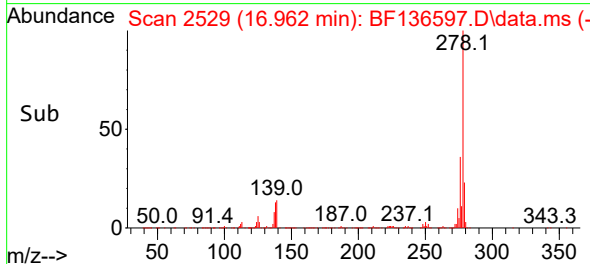
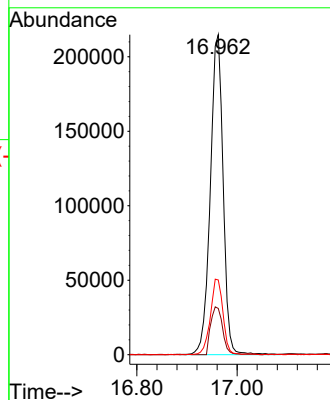
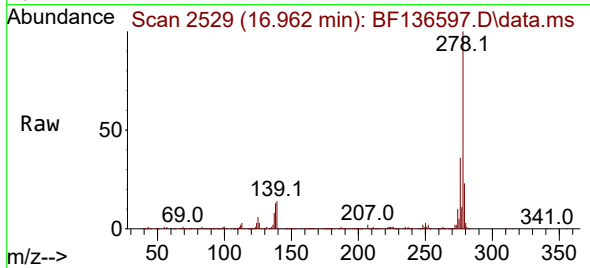




#91
Dibenzo(a,h)anthracene
Concen: 30.330 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MS

Tgt Ion:278 Resp: 381857
Ion Ratio Lower Upper
278 100
139 14.5 12.2 18.4
279 23.4 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 25.843 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.012 min
Lab File: BF136597.D
Acq: 15 Dec 2023 17:29

Tgt Ion:276 Resp: 333964
Ion Ratio Lower Upper
276 100
277 24.1 18.7 28.1
138 20.0 16.6 25.0

