

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
 Data File : BF138510.D
 Acq On : 10 Jul 2024 19:48
 Operator : CG\JU
 Sample : P3170-03MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUMS-2MSD

Quant Time: Jul 11 00:52:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93863	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	376849	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	195868	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	281455	20.000	ng	0.00
76) Chrysene-d12	14.022	240	156994	20.000	ng	0.00
86) Perylene-d12	15.486	264	194866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	654793	110.484	ng	0.01
7) Phenol-d6	6.510	99	894888	113.505	ng	0.00
23) Nitrobenzene-d5	7.434	82	592136	77.146	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	204050	111.467	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	975118	77.808	ng	0.00
79) Terphenyl-d14	12.969	244	699233	72.559	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	123142	46.914	ng	99
3) Pyridine	3.481	79	324394	50.114	ng	99
4) n-Nitrosodimethylamine	3.452	42	239376	56.807	ng	99
6) Aniline	6.528	93	310974	42.111	ng	# 87
8) 2-Chlorophenol	6.657	128	359002	57.287	ng	98
9) Benzaldehyde	6.416	77	45226	10.717	ng	94
10) Phenol	6.522	94	457777	54.702	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	348969	55.386	ng	99
12) 1,3-Dichlorobenzene	6.810	146	372559	52.889	ng	97
13) 1,4-Dichlorobenzene	6.887	146	374674	52.378	ng	100
14) 1,2-Dichlorobenzene	7.034	146	357395	53.645	ng	98
15) Benzyl Alcohol	7.010	79	340532	57.553	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	676985	54.637	ng	99
17) 2-Methylphenol	7.128	107	283203	55.141	ng	# 92
18) Hexachloroethane	7.375	117	143537	54.583	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	268948	55.207	ng	97
20) 3+4-Methylphenols	7.275	107	346263	53.539	ng	90
22) Acetophenone	7.275	105	452164	49.403	ng	# 94
24) Nitrobenzene	7.451	77	411184	52.716	ng	96
25) Isophorone	7.687	82	739348	56.091	ng	100
26) 2-Nitrophenol	7.763	139	191372	57.244	ng	91
27) 2,4-Dimethylphenol	7.804	122	245631	59.781	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	434517	55.159	ng	99
29) 2,4-Dichlorophenol	8.010	162	291632	54.657	ng	96
30) 1,2,4-Trichlorobenzene	8.087	180	327485	52.686	ng	97
31) Naphthalene	8.169	128	1044374	53.287	ng	99
32) Benzoic acid	7.940	122	180737	46.119	ng	91
33) 4-Chloroaniline	8.216	127	163193	23.731	ng	98
34) Hexachlorobutadiene	8.281	225	195877	51.175	ng	99
35) Caprolactam	8.598	113	52849	30.695	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	318285	53.283	ng	96
37) 2-Methylnaphthalene	8.863	142	668188	52.978	ng	98
38) 1-Methylnaphthalene	8.957	142	624659	50.747	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	285396	52.280	ng	98
41) Hexachlorocyclopentadiene	9.010	237	283786	160.161	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	197377	56.682	ng	99

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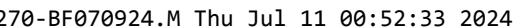
Instrument :
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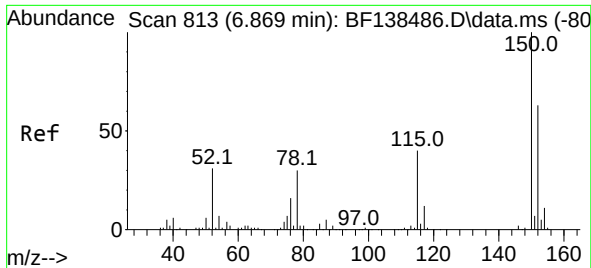
Quant Time: Jul 11 00:52:22 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	206544	53.929	ng	# 94
46) 1,1'-Biphenyl	9.328	154	782176	52.694	ng	99
47) 2-Chloronaphthalene	9.351	162	619771	55.268	ng	99
48) 2-Nitroaniline	9.445	65	219990	56.612	ng	90
49) Acenaphthylene	9.769	152	935555	58.762	ng	99
50) Dimethylphthalate	9.628	163	718427	56.724	ng	99
51) 2,6-Dinitrotoluene	9.692	165	159008	54.527	ng	100
52) Acenaphthene	9.939	154	573546	54.195	ng	99
53) 3-Nitroaniline	9.857	138	93466	31.272	ng	97
54) 2,4-Dinitrophenol	9.969	184	136542	86.822	ng	# 89
55) Dibenzofuran	10.110	168	828156	53.951	ng	100
56) 4-Nitrophenol	10.028	139	205315	93.099	ng	97
57) 2,4-Dinitrotoluene	10.092	165	199750	52.941	ng	99
58) Fluorene	10.451	166	621728	51.188	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.228	232	158511	52.441	ng	98
60) Diethylphthalate	10.328	149	664974	54.463	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	319279	52.349	ng	98
62) 4-Nitroaniline	10.475	138	136249	45.492	ng	97
63) Azobenzene	10.604	77	696860	53.085	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	103385	63.616	ng	# 72
66) n-Nitrosodiphenylamine	10.563	169	537105	63.694	ng	98
67) 4-Bromophenyl-phenylether	10.933	248	180766	62.488	ng	95
68) Hexachlorobenzene	10.998	284	190722	59.346	ng	96
69) Atrazine	11.092	200	158693	56.762	ng	99
70) Pentachlorophenol	11.192	266	193532	101.771	ng	96
71) Phenanthrene	11.416	178	804551	56.581	ng	100
72) Anthracene	11.463	178	829170	58.744	ng	99
73) Carbazole	11.622	167	646548	50.971	ng	100
74) Di-n-butylphthalate	11.945	149	901074	61.627	ng	100
75) Fluoranthene	12.598	202	684789	47.196	ng	98
77) Benzidine	12.722	184	215092	54.303	ng	100
78) Pyrene	12.827	202	682835	42.846	ng	100
80) Butylbenzylphthalate	13.439	149	294380	61.404	ng	94
81) Benzo(a)anthracene	14.010	228	594152	56.402	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	129603	47.746	ng	99
83) Chrysene	14.051	228	573953	57.594	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	415825	81.326	ng	98
85) Di-n-octyl phthalate	14.610	149	718258	88.923	ng	99
87) Indeno(1,2,3-cd)pyrene	16.957	276	551153	42.107	ng	100
88) Benzo(b)fluoranthene	15.063	252	608488	55.447	ng	99
89) Benzo(k)fluoranthene	15.092	252	597920	55.864	ng	99
90) Benzo(a)pyrene	15.427	252	564741	58.580	ng	99
91) Dibenzo(a,h)anthracene	16.974	278	450067	42.035	ng	99
92) Benzo(g,h,i)perylene	17.404	276	391070	34.444	ng	97

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

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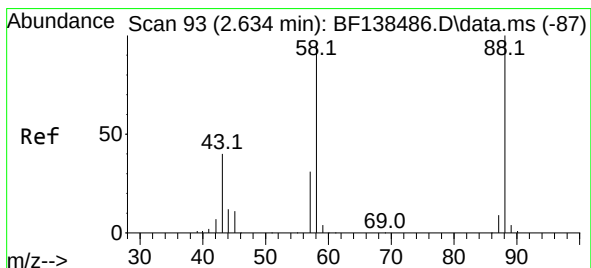
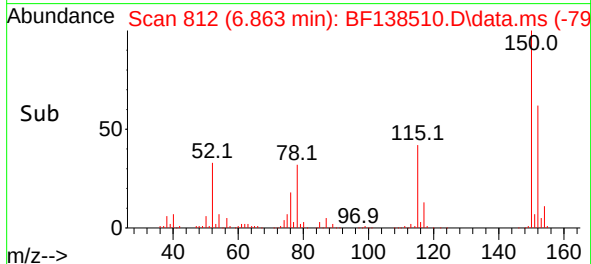
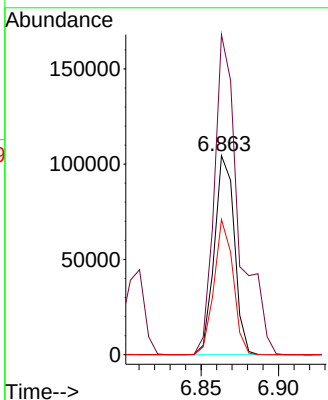
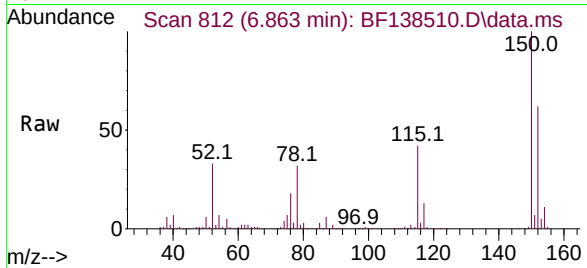




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF138510.D
 Acq: 10 Jul 2024 19:48

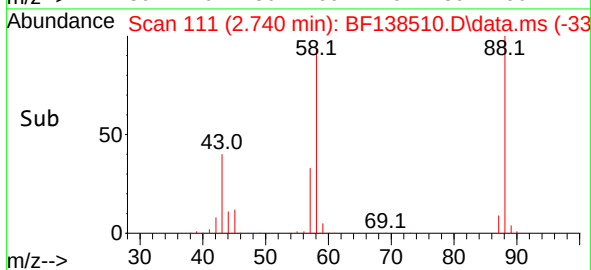
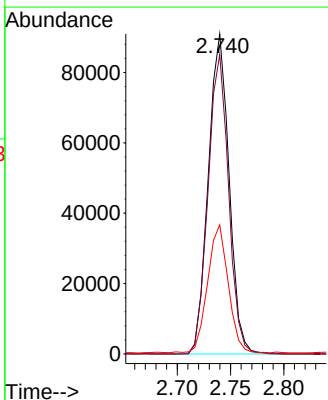
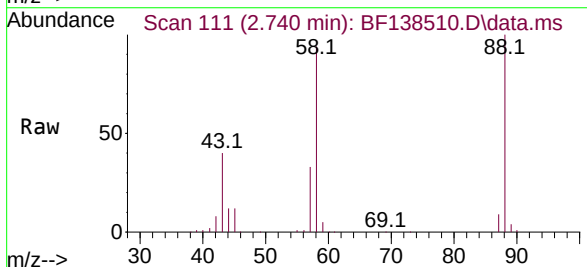
Instrument :
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 SOIL-DRUMS-2MSD

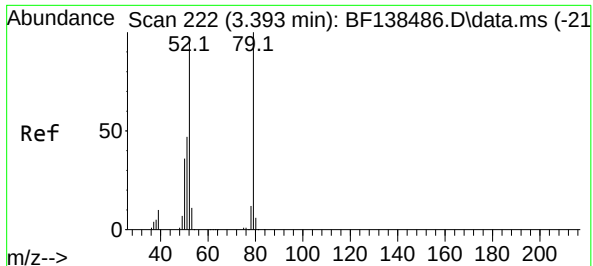
Tgt Ion:152 Resp: 93863
 Ion Ratio Lower Upper
 152 100
 150 160.8 126.2 189.4
 115 67.9 50.3 75.5



#2
 1,4-Dioxane
 Concen: 46.914 ng
 RT: 2.740 min Scan# 111
 Delta R.T. 0.106 min
 Lab File: BF138510.D
 Acq: 10 Jul 2024 19:48

Tgt Ion: 88 Resp: 123142
 Ion Ratio Lower Upper
 88 100
 58 92.4 74.6 112.0
 43 39.7 31.8 47.6





#3

Pyridine

Concen: 50.114 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

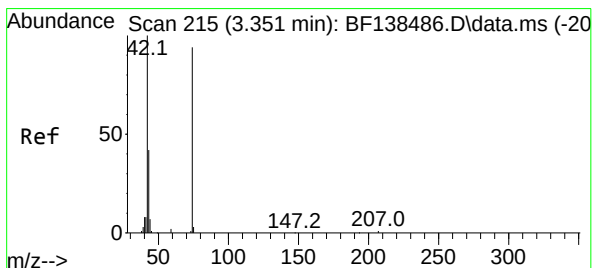
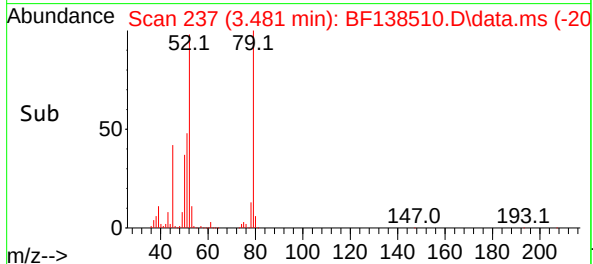
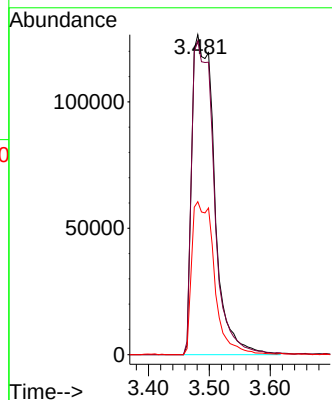
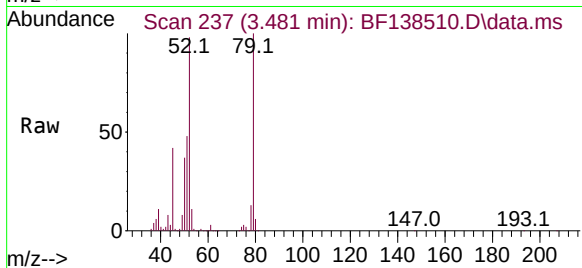
Tgt Ion: 79 Resp: 324394

Ion Ratio Lower Upper

79 100

52 98.0 77.4 116.2

51 47.8 37.4 56.0



#4

n-Nitrosodimethylamine

Concen: 56.807 ng

RT: 3.452 min Scan# 232

Delta R.T. 0.100 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

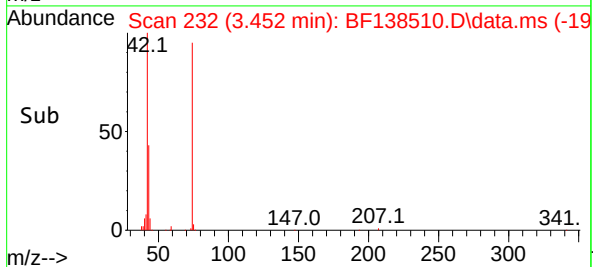
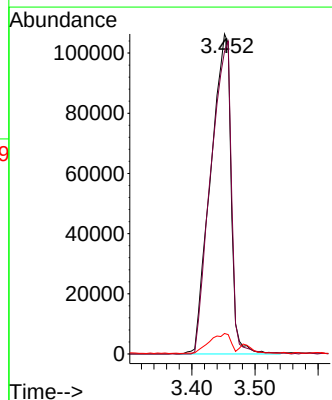
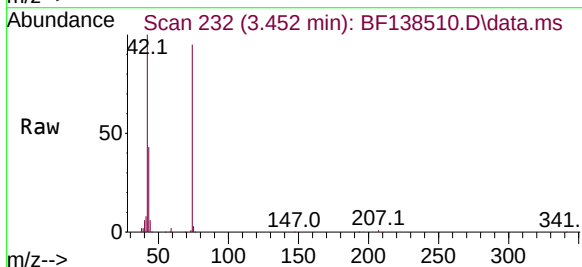
Tgt Ion: 42 Resp: 239376

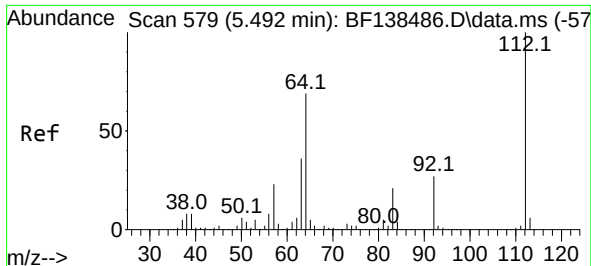
Ion Ratio Lower Upper

42 100

74 94.5 75.0 112.6

44 6.4 5.4 8.2

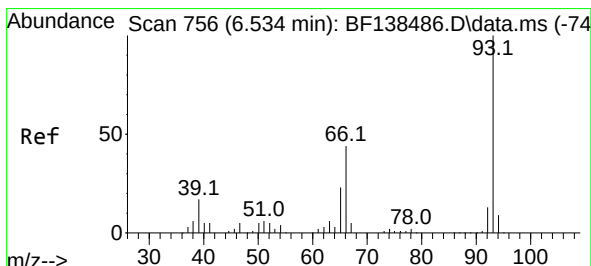
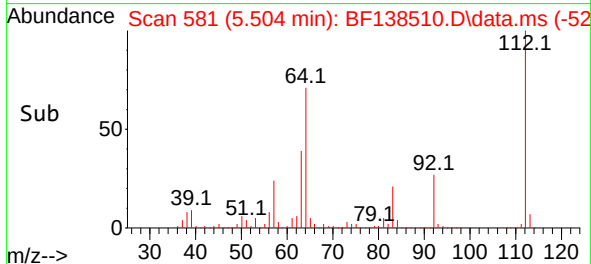
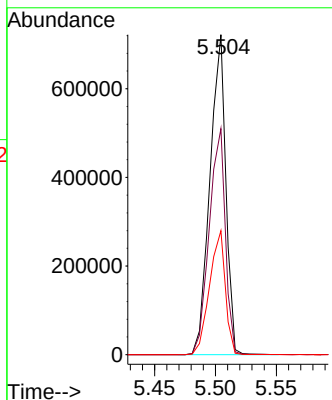
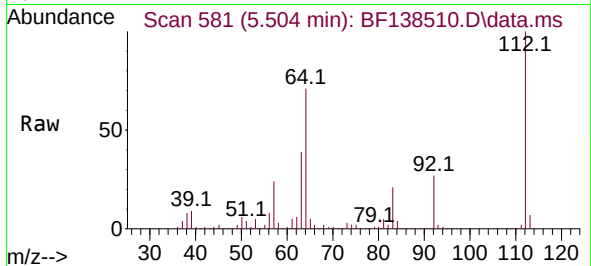




#5
2-Fluorophenol
Concen: 110.484 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

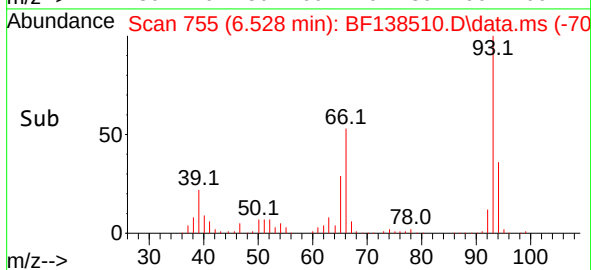
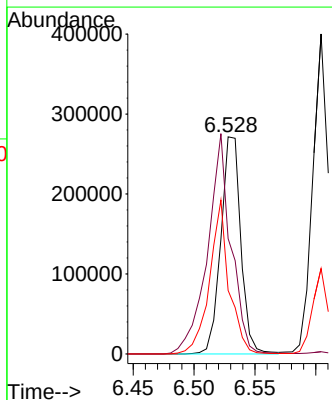
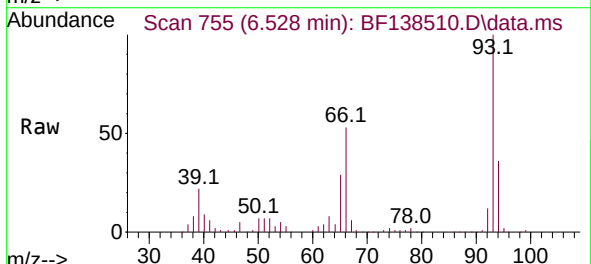
Instrument :
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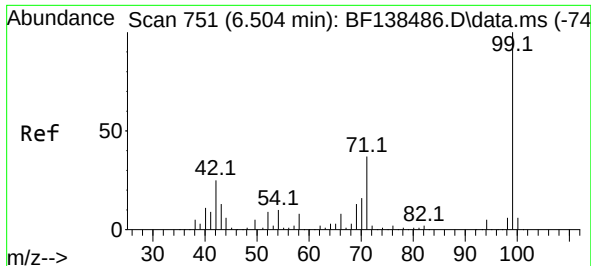
Tgt Ion:112 Resp: 654793
Ion Ratio Lower Upper
112 100
64 70.6 55.1 82.7
63 38.7 29.0 43.6



#6
Aniline
Concen: 42.111 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 93 Resp: 310974
Ion Ratio Lower Upper
93 100
66 53.1 35.4 53.0#
65 29.2 18.6 27.8#

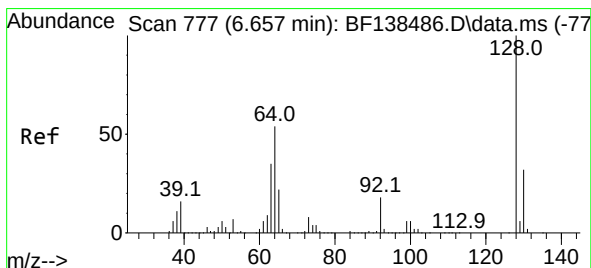
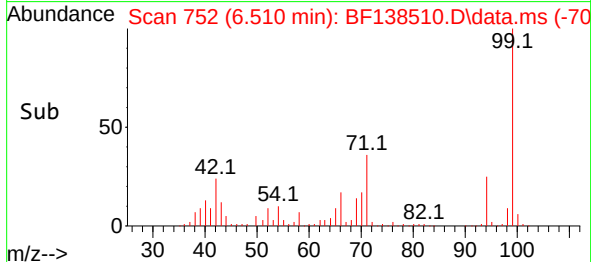
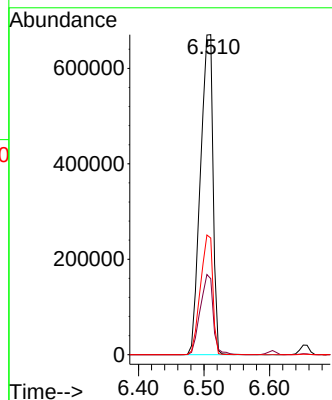
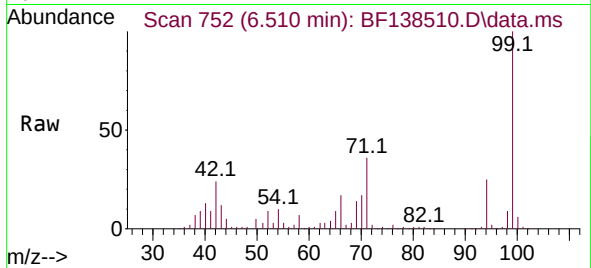




#7
Phenol-d6
Concen: 113.505 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

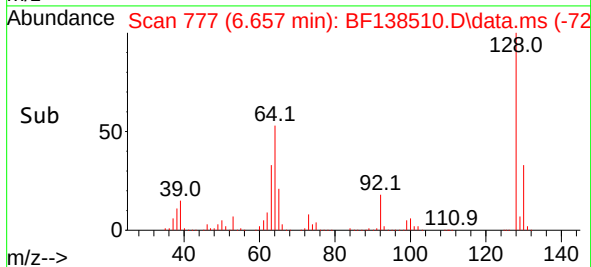
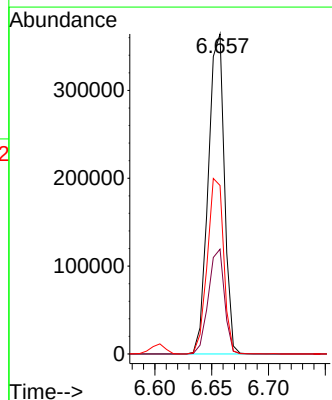
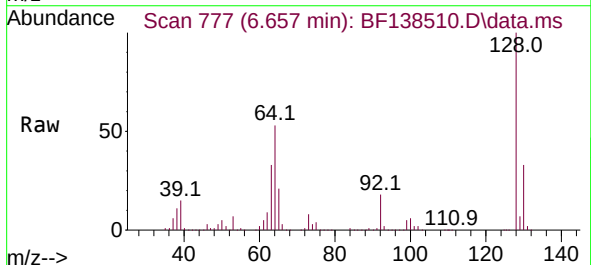
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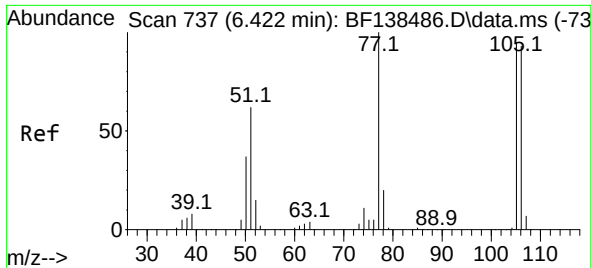
Tgt Ion: 99 Resp: 894888
Ion Ratio Lower Upper
99 100
42 23.8 19.7 29.5
71 36.5 29.9 44.9



#8
2-Chlorophenol
Concen: 57.287 ng
RT: 6.657 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:128 Resp: 359002
Ion Ratio Lower Upper
128 100
130 32.7 12.1 52.1
64 52.7 34.4 74.4





#9

Benzaldehyde

Concen: 10.717 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

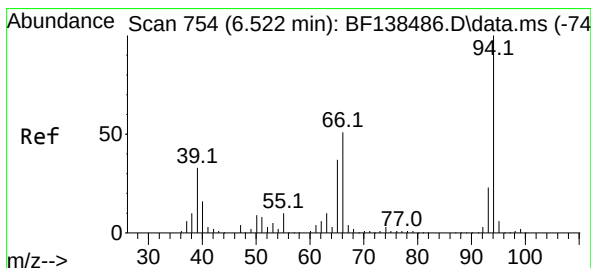
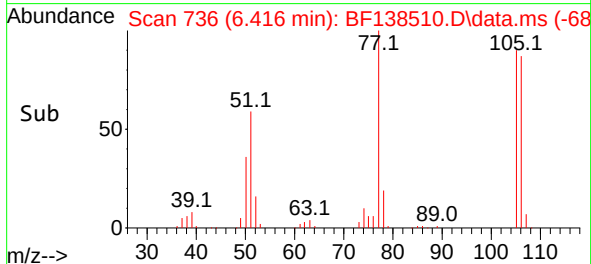
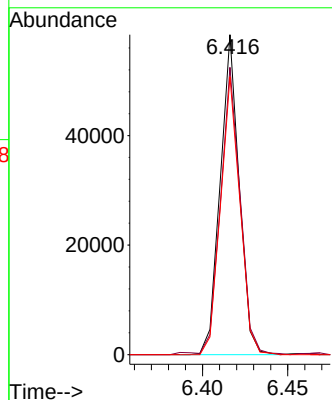
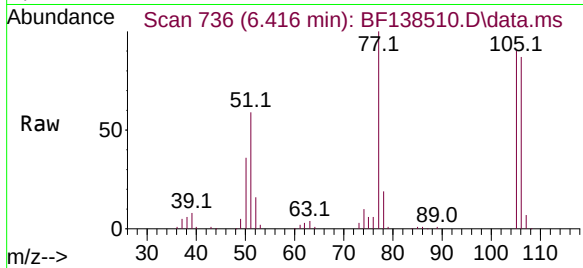
Tgt Ion: 77 Resp: 45226

Ion Ratio Lower Upper

77 100

105 89.8 75.1 115.1

106 86.9 73.2 113.2



#10

Phenol

Concen: 54.702 ng

RT: 6.522 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

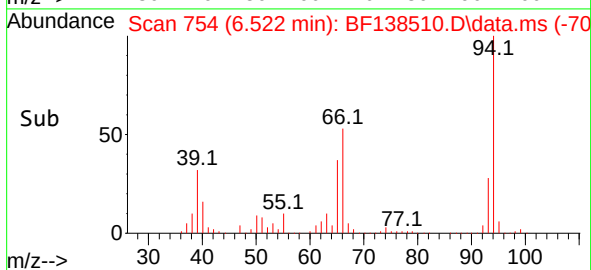
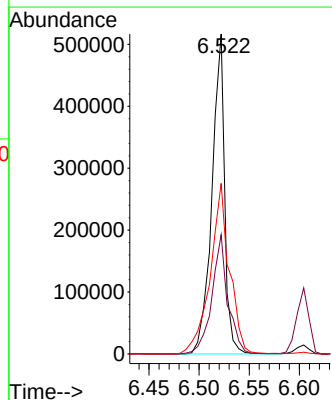
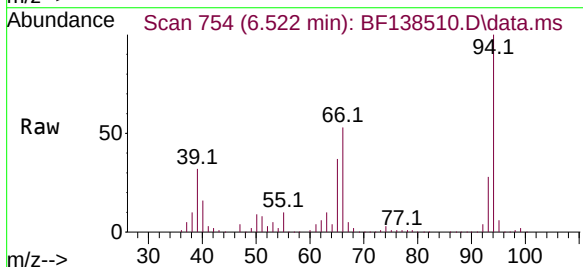
Tgt Ion: 94 Resp: 457777

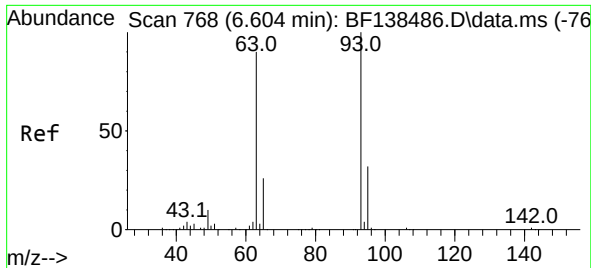
Ion Ratio Lower Upper

94 100

65 37.2 16.7 56.7

66 53.3 31.2 71.2

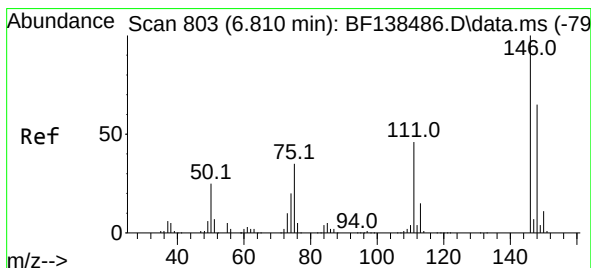
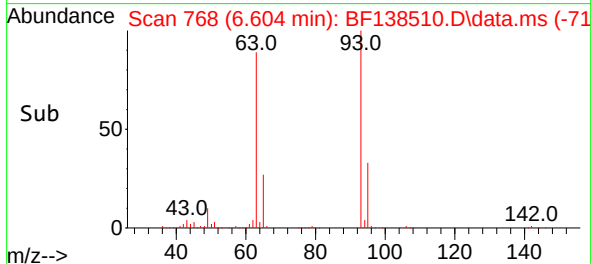
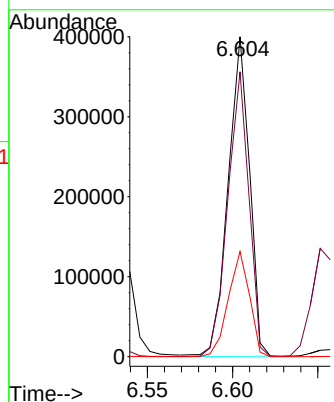
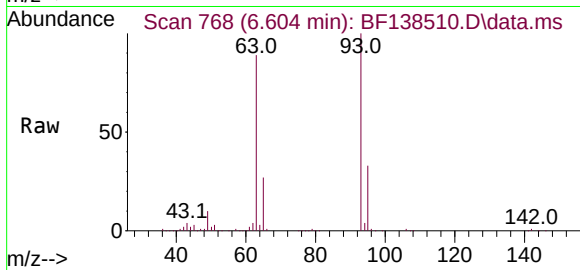




#11
bis(2-Chloroethyl)ether
Concen: 55.386 ng
RT: 6.604 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

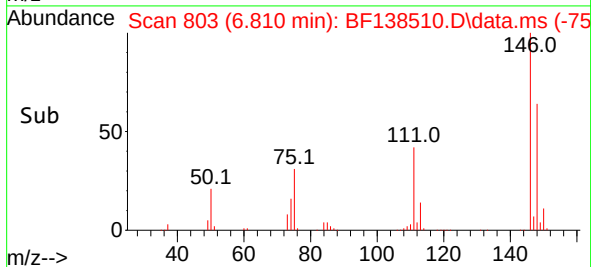
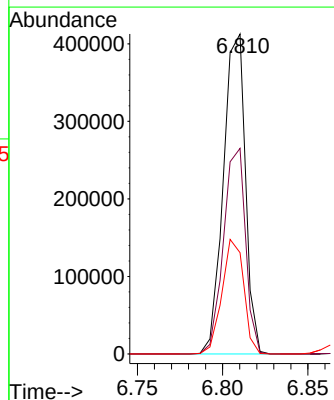
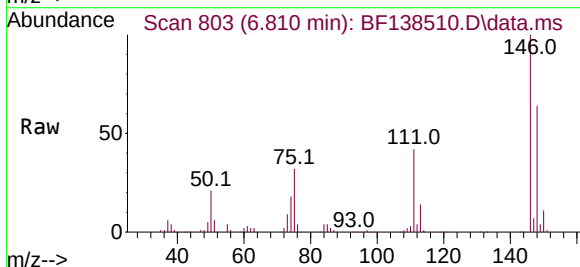
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

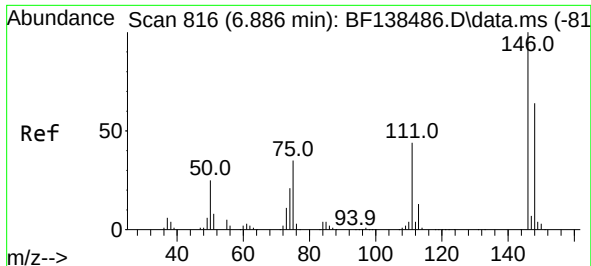
Tgt Ion: 93 Resp: 348969
Ion Ratio Lower Upper
93 100
63 89.0 68.8 108.8
95 32.9 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 52.889 ng
RT: 6.810 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 146 Resp: 372559
Ion Ratio Lower Upper
146 100
148 64.3 52.4 78.6
75 31.7 27.8 41.8

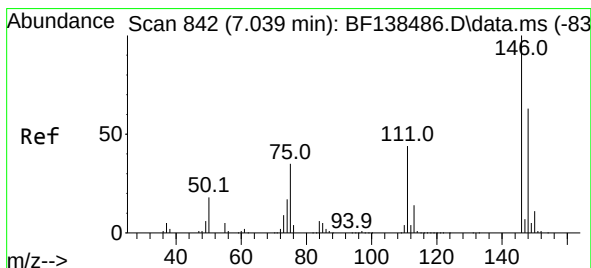
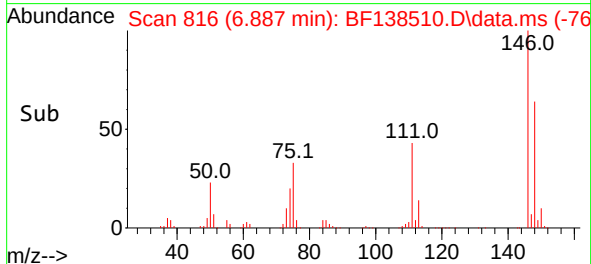
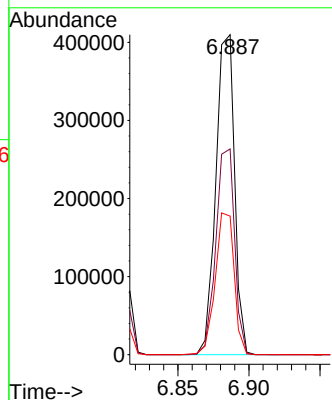
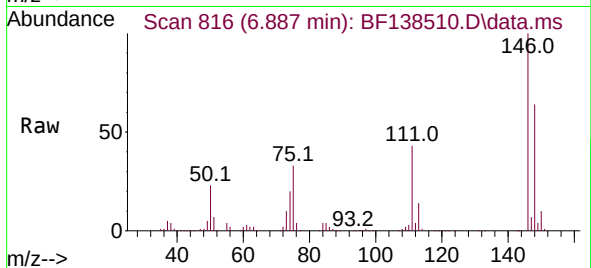




#13
1,4-Dichlorobenzene
Concen: 52.378 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

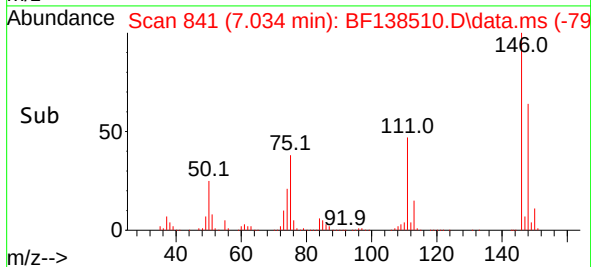
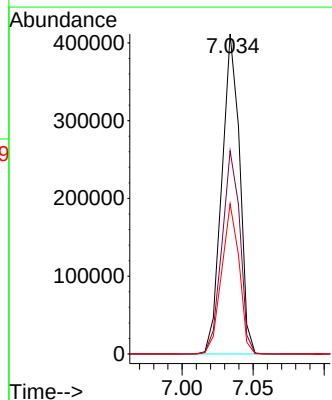
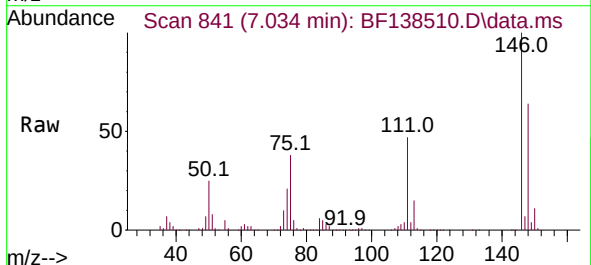
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

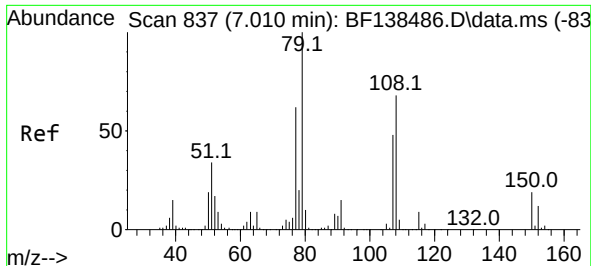
Tgt Ion:146 Resp: 374674
Ion Ratio Lower Upper
146 100
148 64.3 51.6 77.4
111 43.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 53.645 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:146 Resp: 357395
Ion Ratio Lower Upper
146 100
148 63.5 50.1 75.1
111 47.0 35.5 53.3

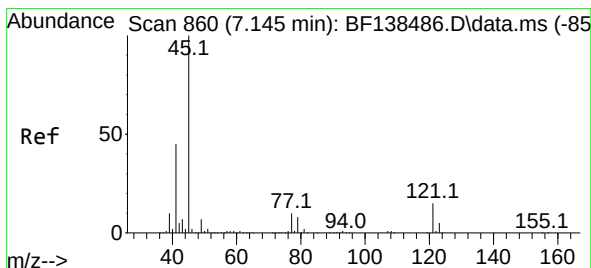
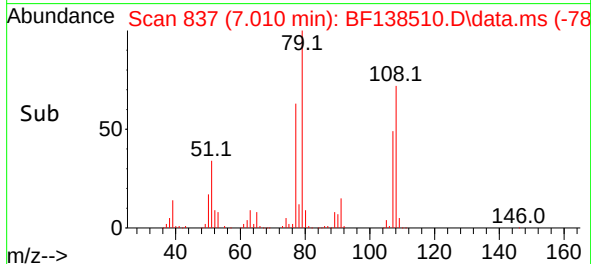
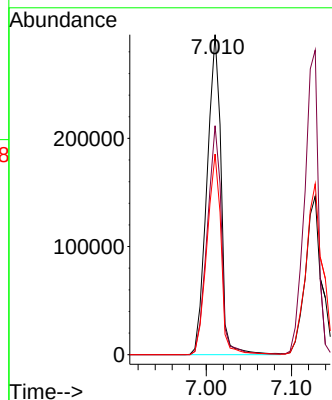
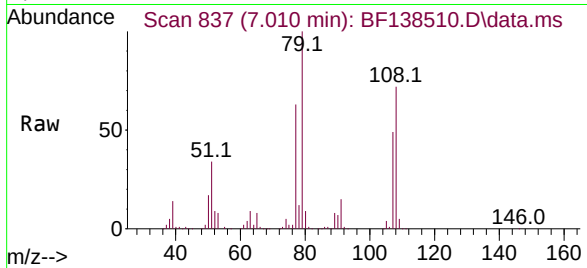




#15
Benzyl Alcohol
Concen: 57.553 ng
RT: 7.010 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

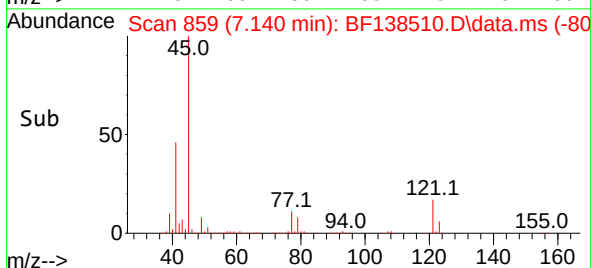
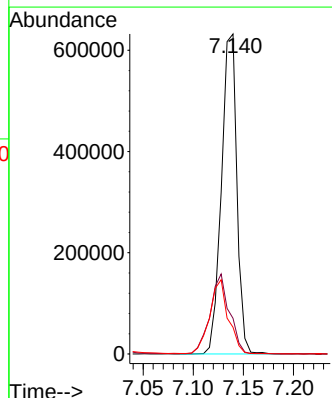
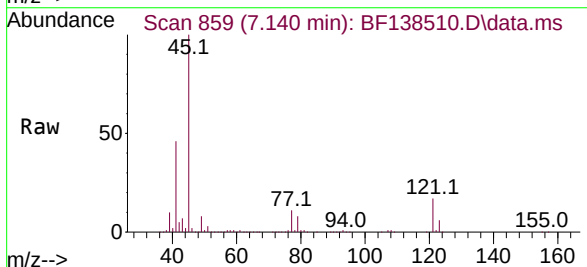
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

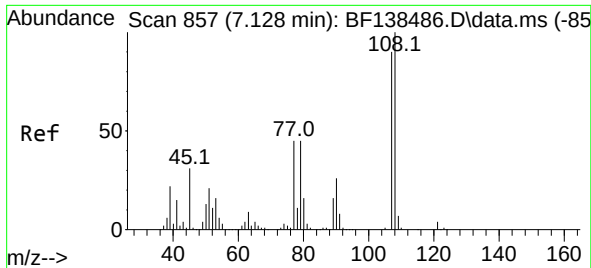
Tgt Ion: 79 Resp: 340532
Ion Ratio Lower Upper
79 100
108 71.6 54.3 81.5
77 62.7 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.637 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 45 Resp: 676985
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.4
79 8.3 0.0 28.1

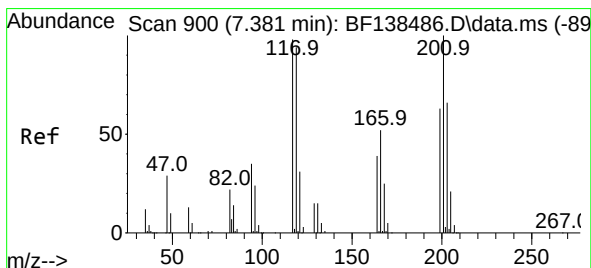
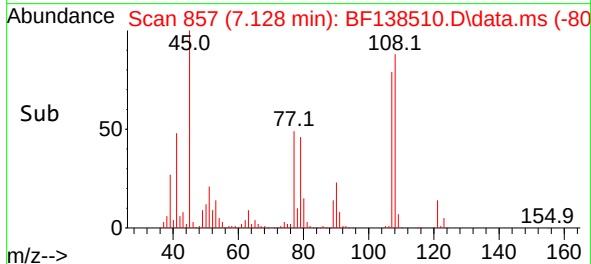
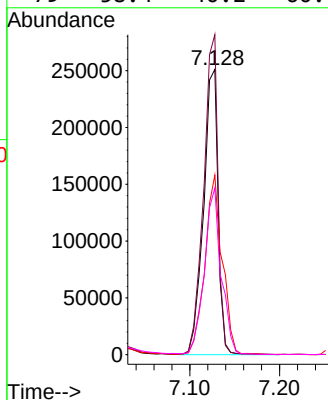
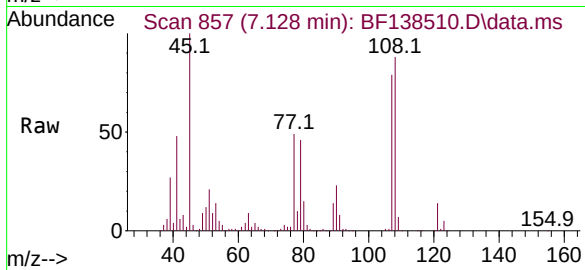




#17
2-Methylphenol
Concen: 55.141 ng
RT: 7.128 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

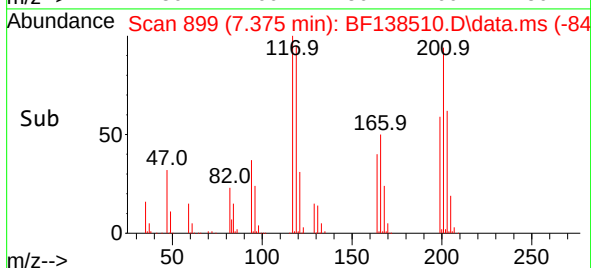
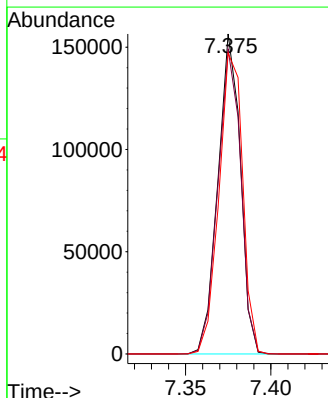
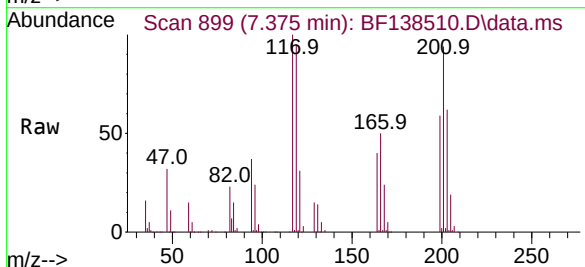
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

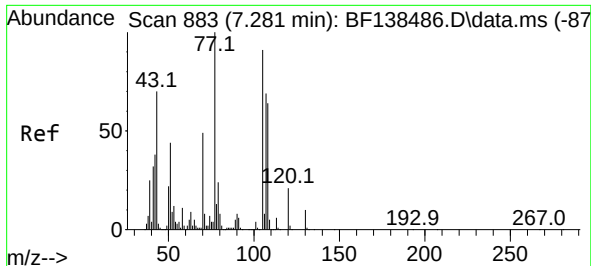
Tgt Ion:107 Resp: 283203
Ion Ratio Lower Upper
107 100
108 112.2 89.0 133.4
77 62.9 40.3 60.5#
79 58.4 40.2 60.4



#18
Hexachloroethane
Concen: 54.583 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:117 Resp: 143537
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 94.1 81.4 122.0

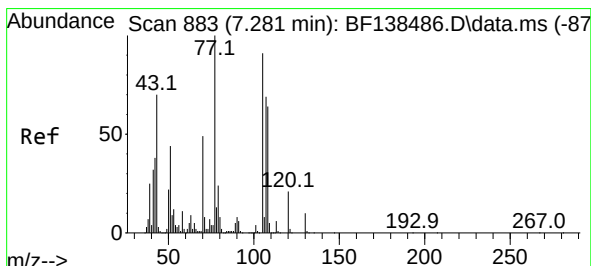
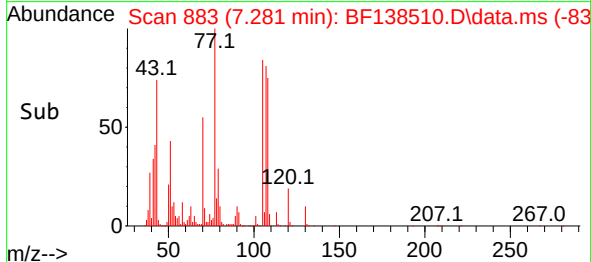
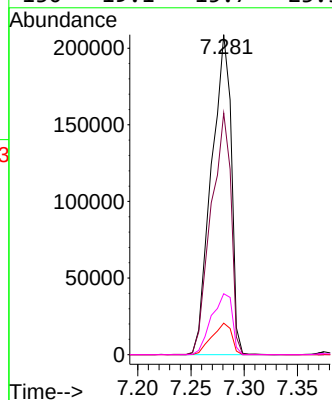
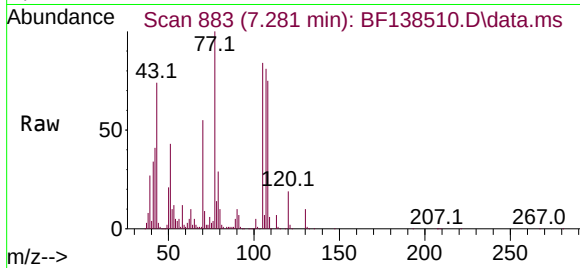




#19
n-Nitroso-di-n-propylamine
Concen: 55.207 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

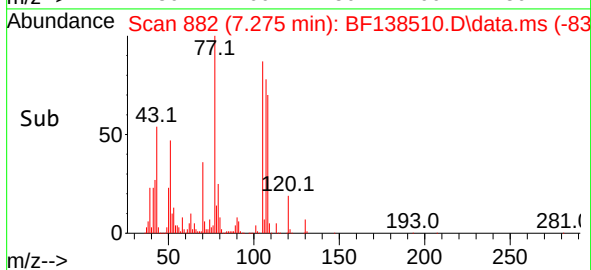
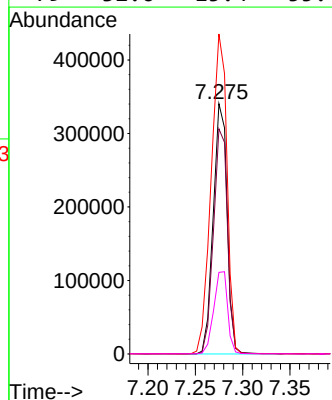
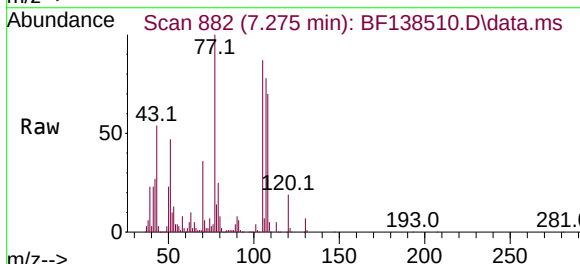
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

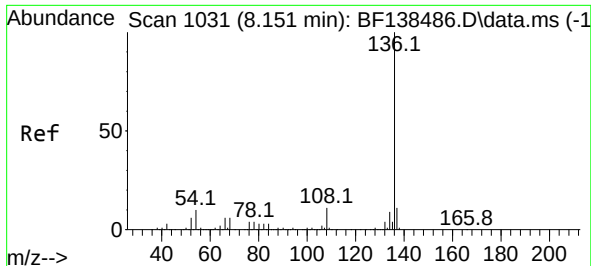
Tgt Ion: 70 Resp: 268948
Ion Ratio Lower Upper
70 100
42 75.5 62.4 93.6
101 9.8 7.2 10.8
130 19.1 15.7 23.5



#20
3+4-Methylphenols
Concen: 53.539 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 107 Resp: 346263
Ion Ratio Lower Upper
107 100
108 90.0 73.7 113.7
77 127.9 126.0 166.0
79 32.6 15.4 55.4

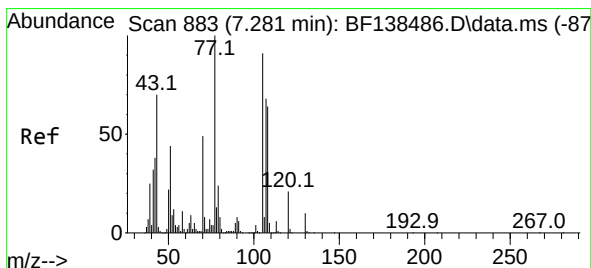
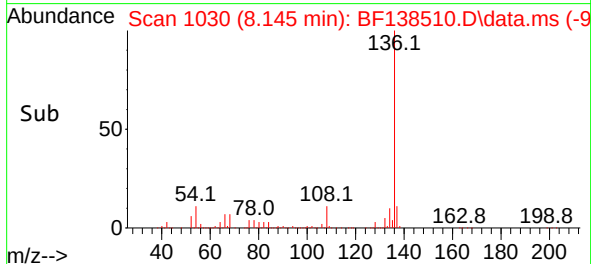
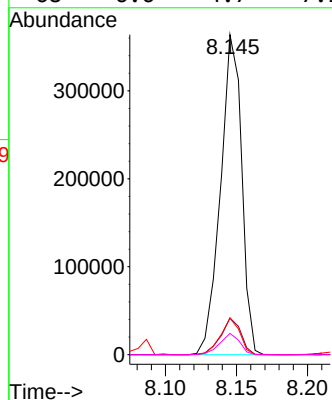
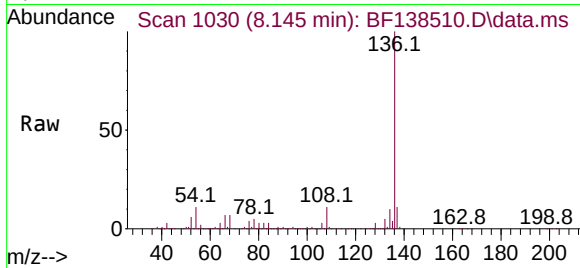




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

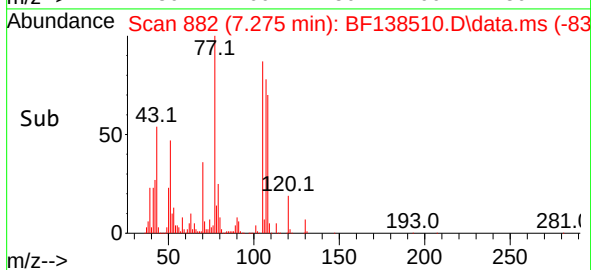
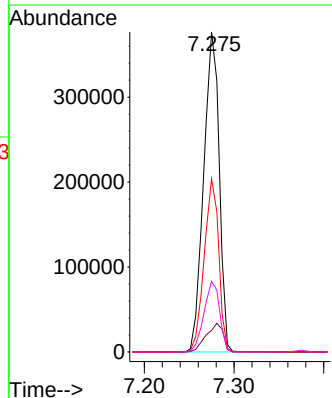
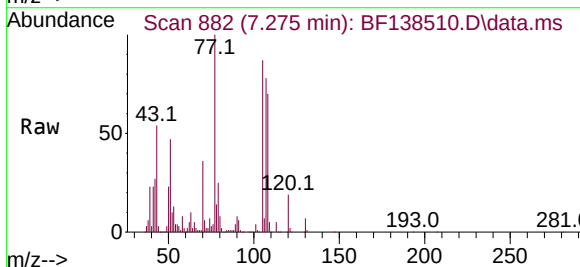
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

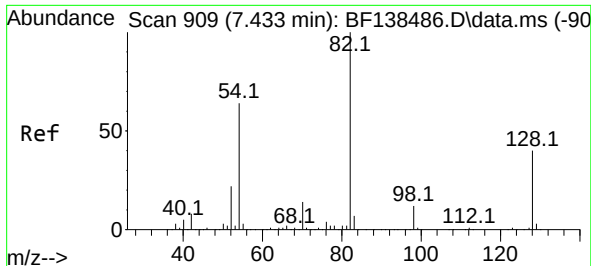
Tgt Ion:	136	Resp:	376849
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	11.4	8.1	12.1
68	6.6	4.7	7.1



#22
Acetophenone
Concen: 49.403 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:	105	Resp:	452164
Ion Ratio	Lower	Upper	
105	100		
71	6.8	7.4	11.2#
51	54.1	38.7	58.1
120	22.1	18.2	27.2





#23

Nitrobenzene-d5

Concen: 77.146 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

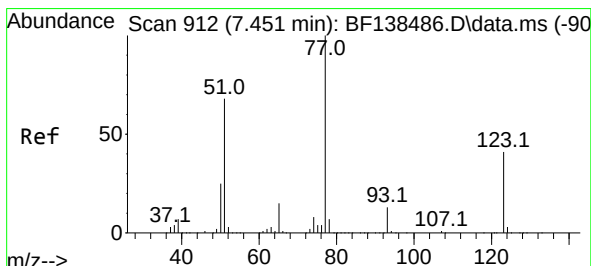
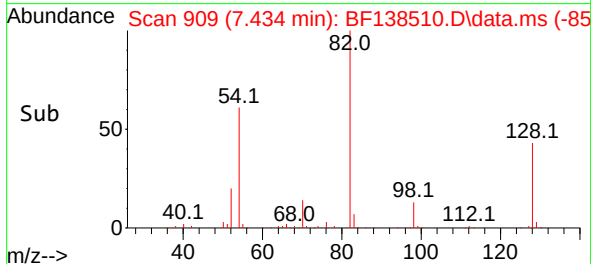
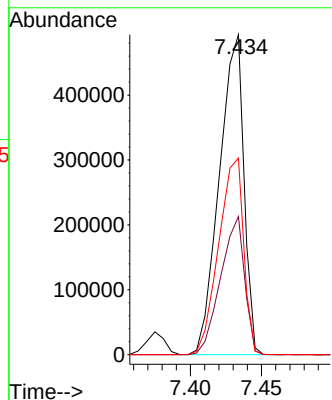
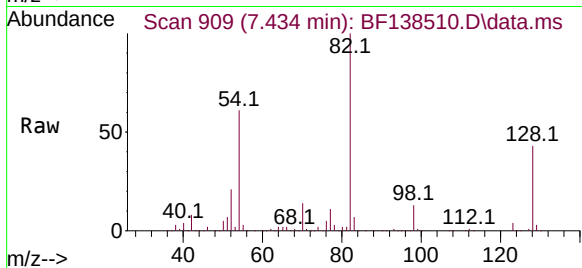
Tgt Ion: 82 Resp: 592136

Ion Ratio Lower Upper

82 100

128 43.2 32.3 48.5

54 61.4 51.4 77.0



#24

Nitrobenzene

Concen: 52.716 ng

RT: 7.451 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

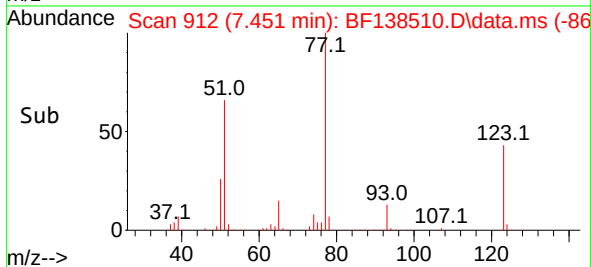
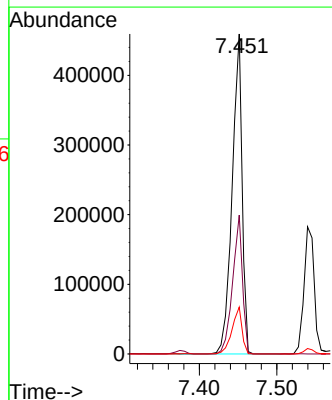
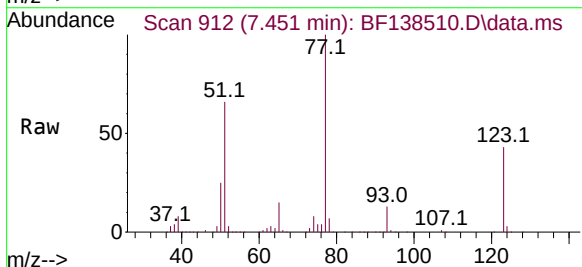
Tgt Ion: 77 Resp: 411184

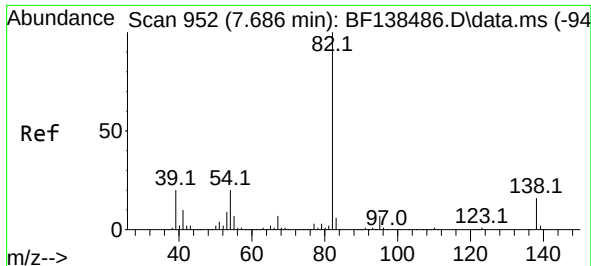
Ion Ratio Lower Upper

77 100

123 43.4 32.4 48.6

65 14.7 11.8 17.8

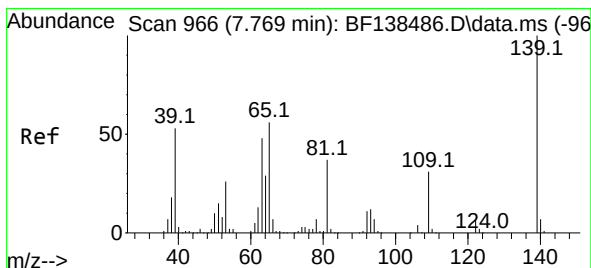
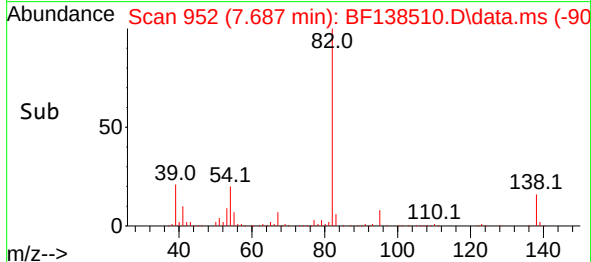
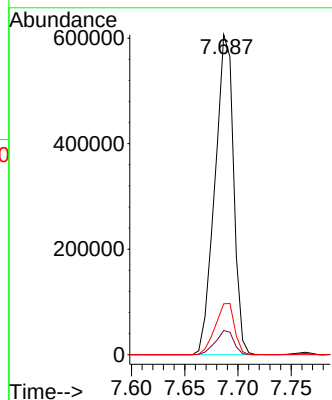
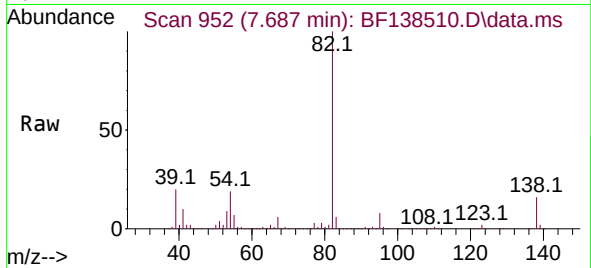




#25
Isophorone
Concen: 56.091 ng
RT: 7.687 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

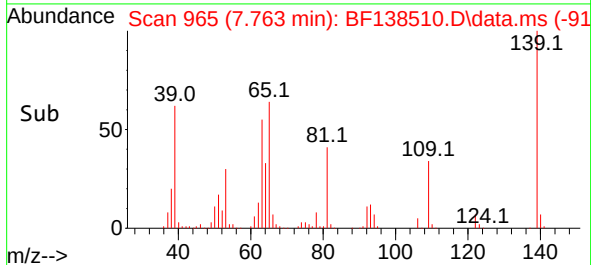
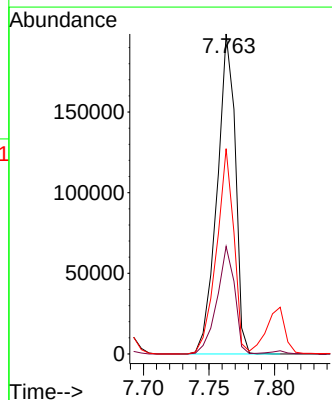
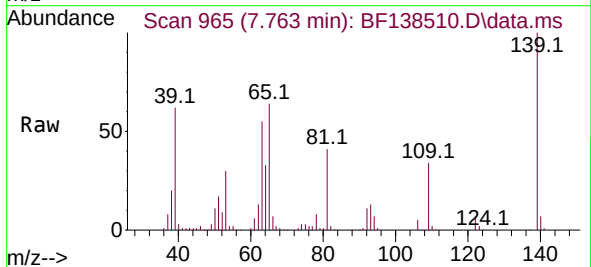
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

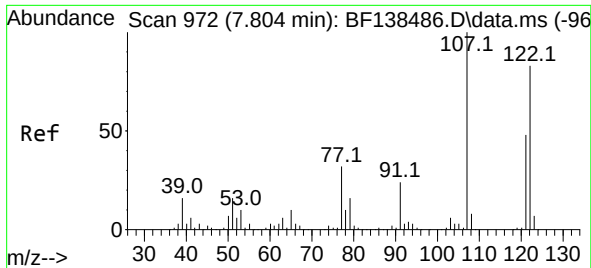
Tgt Ion: 82 Resp: 739348
Ion Ratio Lower Upper
82 100
95 7.6 6.0 9.0
138 15.9 12.8 19.2



#26
2-Nitrophenol
Concen: 57.244 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:139 Resp: 191372
Ion Ratio Lower Upper
139 100
109 33.6 24.8 37.2
65 64.2 45.1 67.7

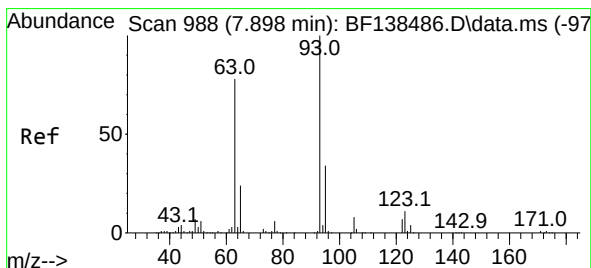
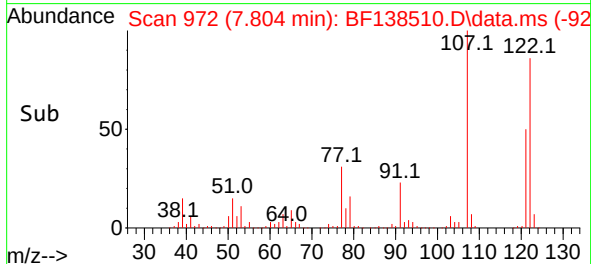
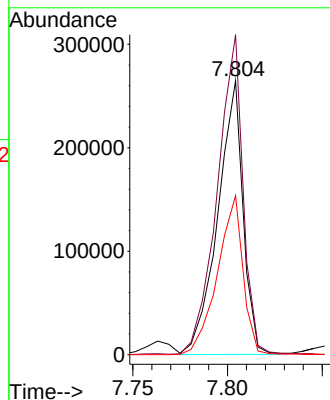
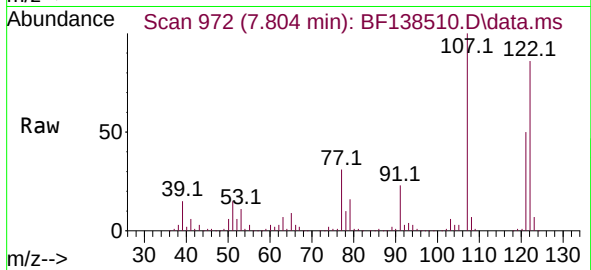




#27
2,4-Dimethylphenol
Concen: 59.781 ng
RT: 7.804 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

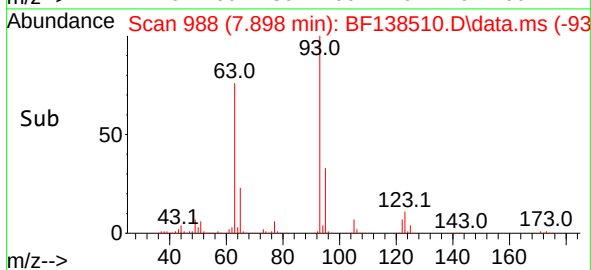
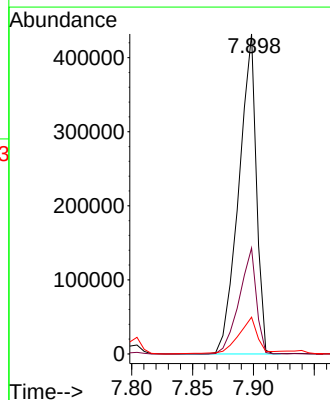
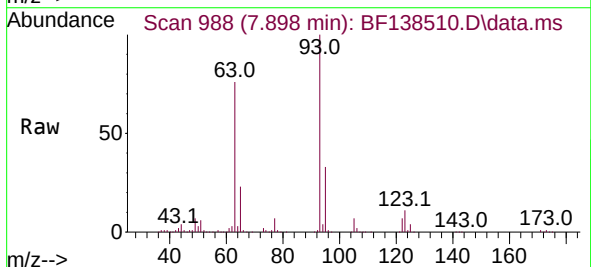
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

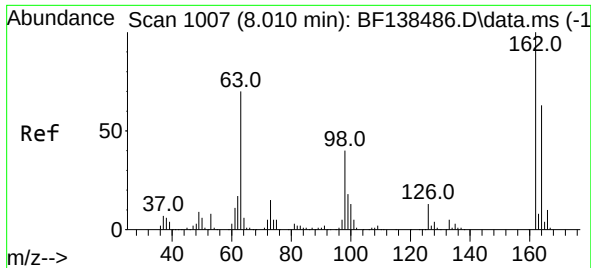
Tgt Ion:122 Resp: 245631
Ion Ratio Lower Upper
122 100
107 116.8 96.3 144.5
121 58.1 46.7 70.1



#28
bis(2-Chloroethoxy)methane
Concen: 55.159 ng
RT: 7.898 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 93 Resp: 434517
Ion Ratio Lower Upper
93 100
95 33.1 27.0 40.6
123 11.5 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 54.657 ng

RT: 8.010 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

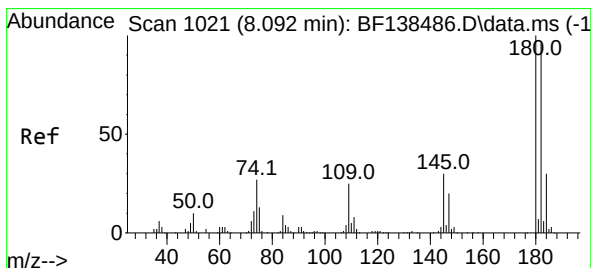
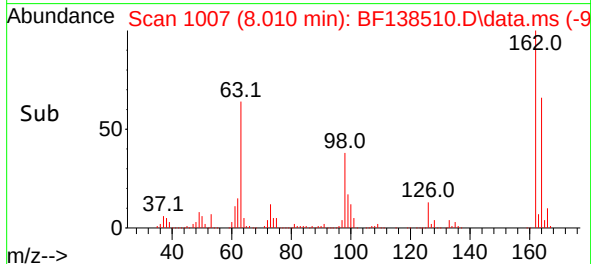
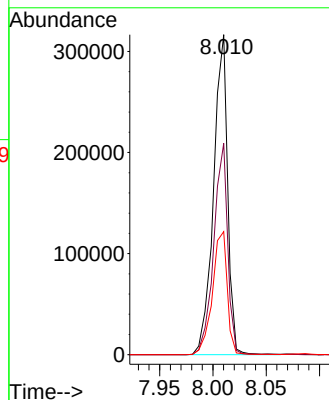
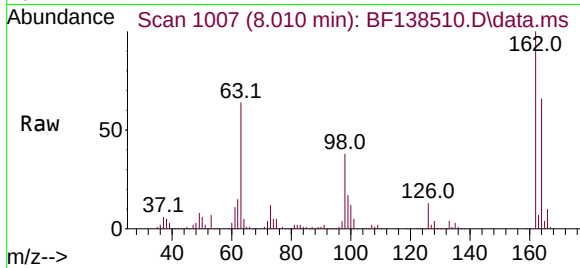
Tgt Ion:162 Resp: 291632

Ion Ratio Lower Upper

162 100

164 66.1 42.6 82.6

98 38.4 20.1 60.1



#30

1,2,4-Trichlorobenzene

Concen: 52.686 ng

RT: 8.087 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

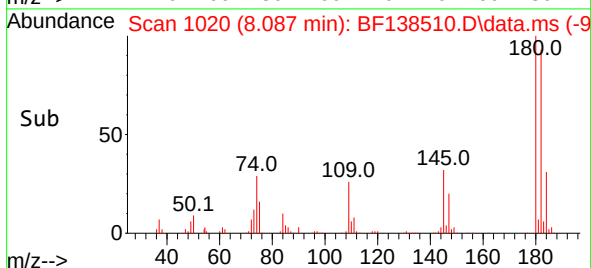
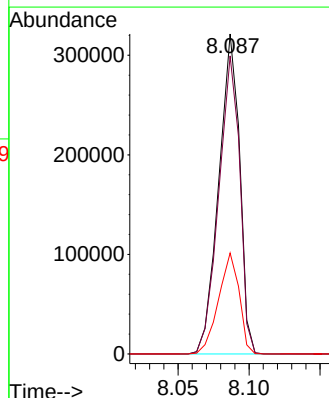
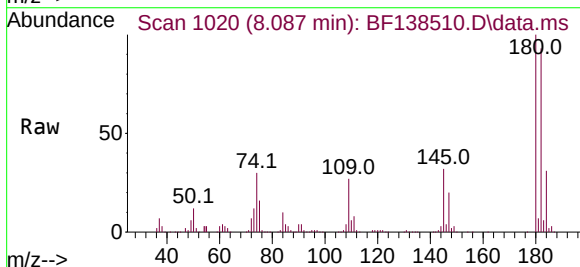
Tgt Ion:180 Resp: 327485

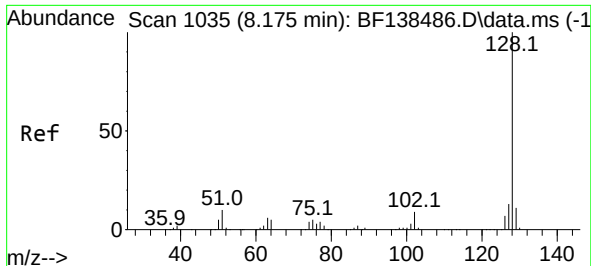
Ion Ratio Lower Upper

180 100

182 93.1 76.9 115.3

145 31.6 23.9 35.9

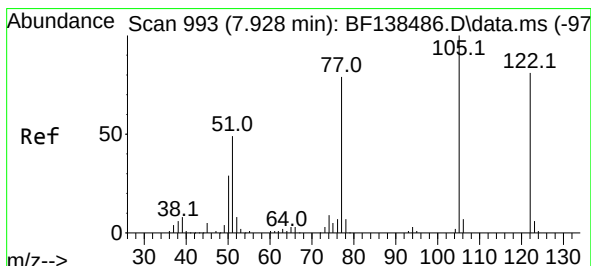
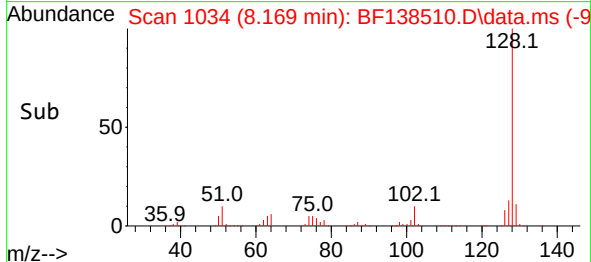
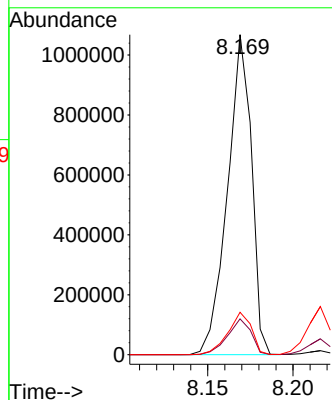
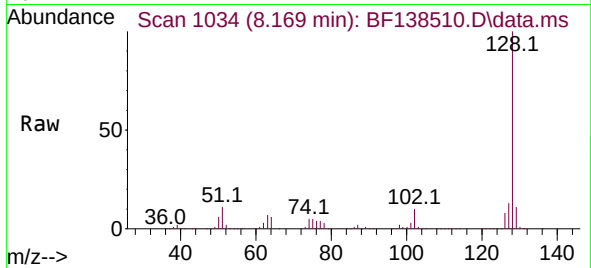




#31
Naphthalene
Concen: 53.287 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

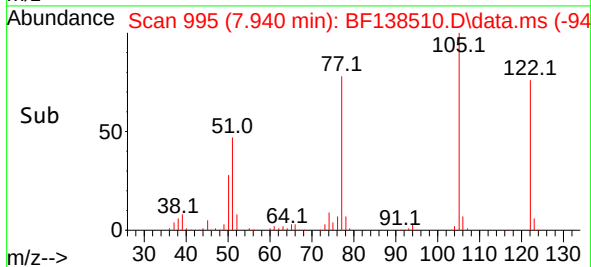
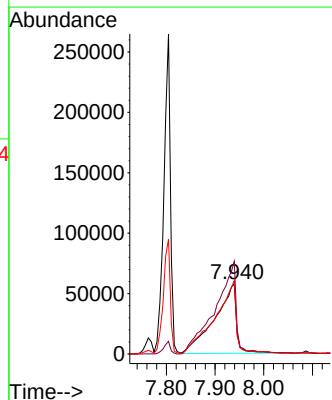
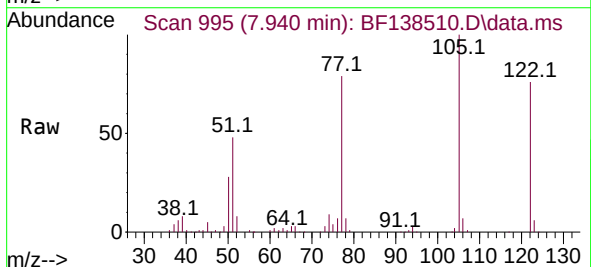
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

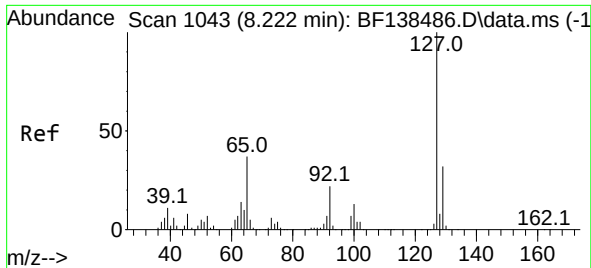
Tgt Ion:128 Resp: 1044374
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 46.119 ng
RT: 7.940 min Scan# 995
Delta R.T. 0.012 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:122 Resp: 180737
Ion Ratio Lower Upper
122 100
105 132.2 101.5 141.5
77 104.5 77.3 117.3

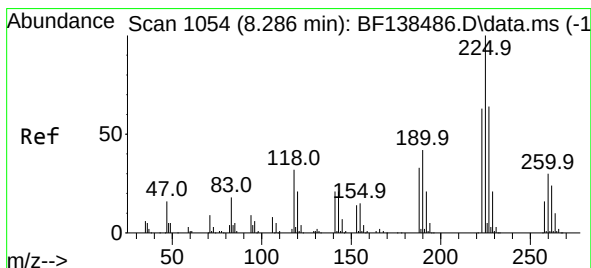
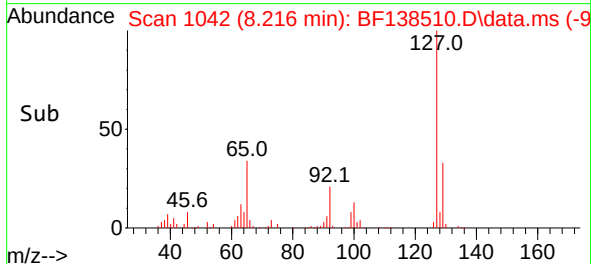
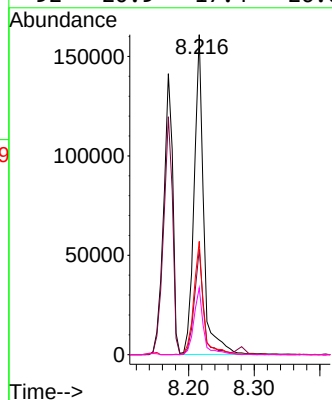
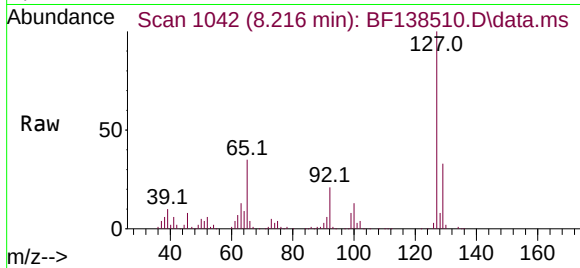




#33
4-Chloroaniline
Concen: 23.731 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

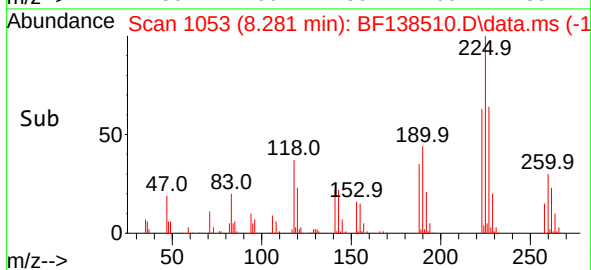
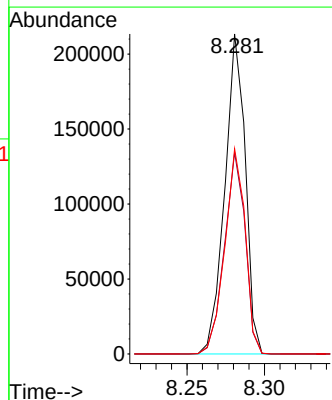
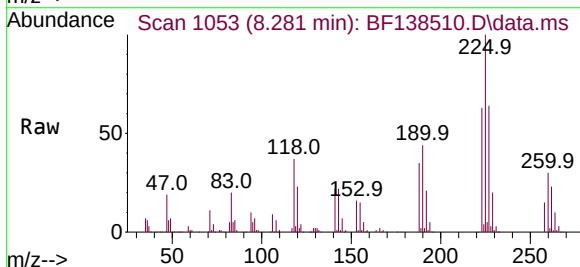
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

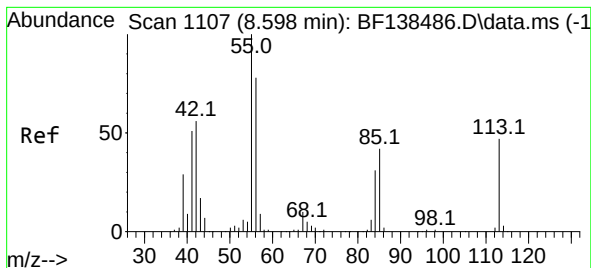
Tgt Ion:127	Resp: 163193
Ion Ratio	Lower Upper
127 100	
129 32.9	25.6 38.4
65 35.4	29.6 44.4
92 20.9	17.4 26.0



#34
Hexachlorobutadiene
Concen: 51.175 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:225	Resp:	195877	
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.0	75.0
227	64.2	51.0	76.6





#35

Caprolactam

Concen: 30.695 ng

RT: 8.598 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

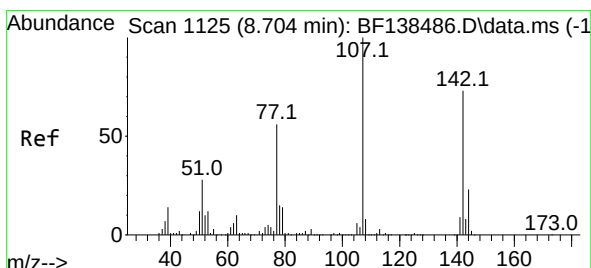
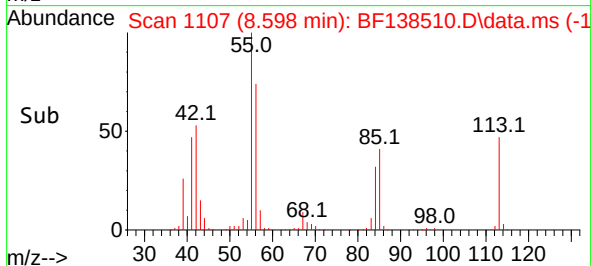
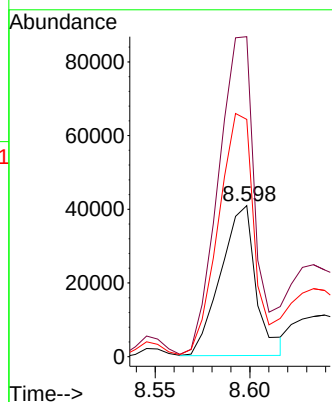
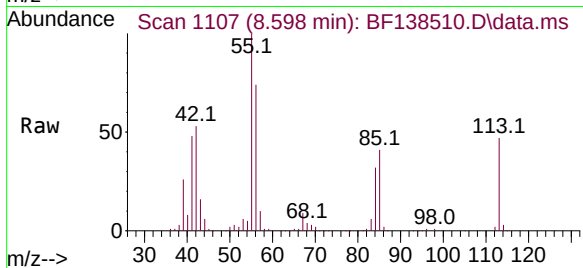
Tgt Ion:113 Resp: 52849

Ion Ratio Lower Upper

113 100

55 211.9 192.5 232.5

56 157.1 145.3 185.3



#36

4-Chloro-3-methylphenol

Concen: 53.283 ng

RT: 8.710 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

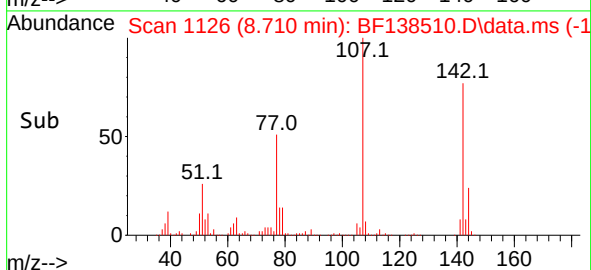
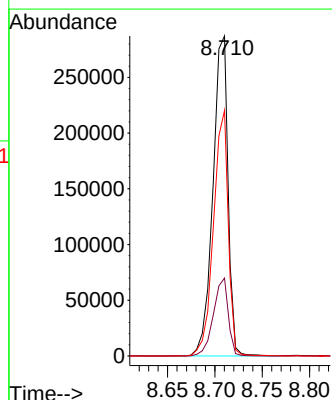
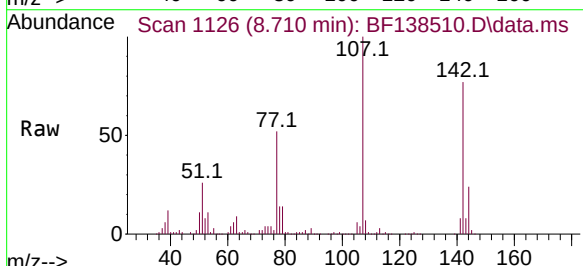
Tgt Ion:107 Resp: 318285

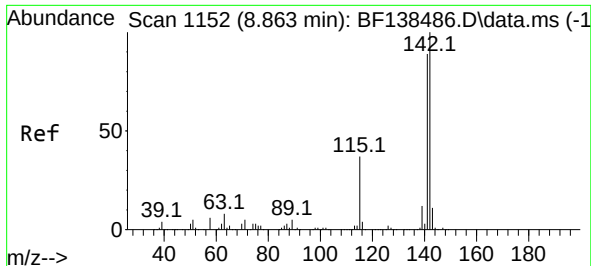
Ion Ratio Lower Upper

107 100

144 24.3 18.6 27.8

142 76.8 58.6 88.0





#37

2-Methylnaphthalene

Concen: 52.978 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

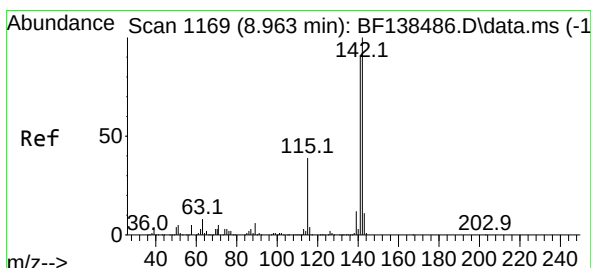
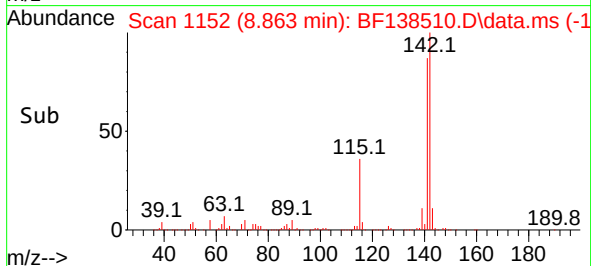
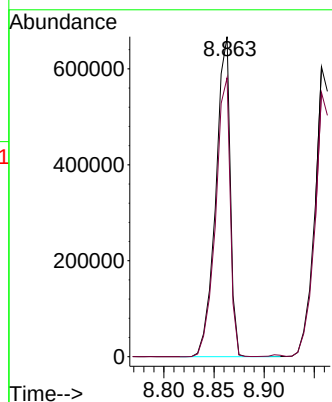
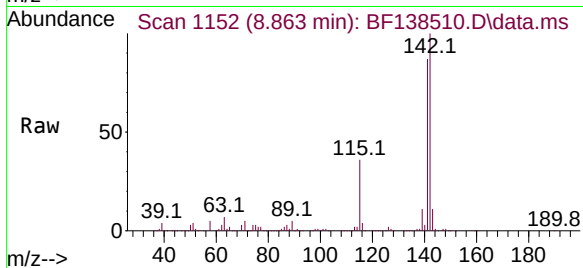
SOIL-DRUMS-2MSD

Tgt Ion:142 Resp: 668188

Ion Ratio Lower Upper

142 100

141 87.1 71.4 107.0



#38

1-Methylnaphthalene

Concen: 50.747 ng

RT: 8.957 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF138510.D

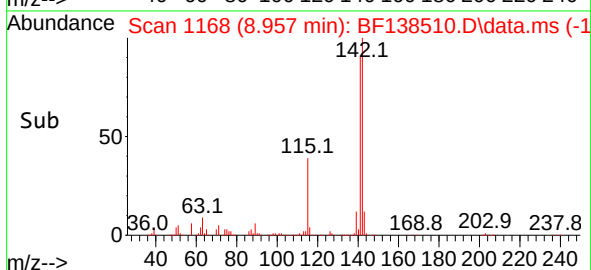
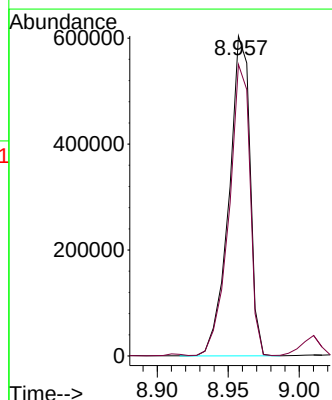
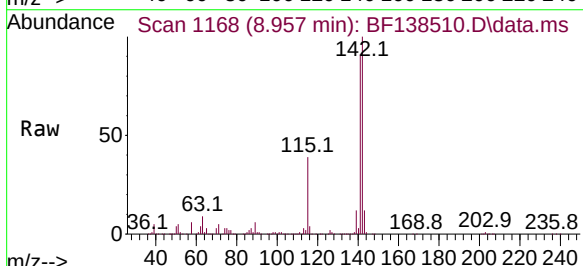
Acq: 10 Jul 2024 19:48

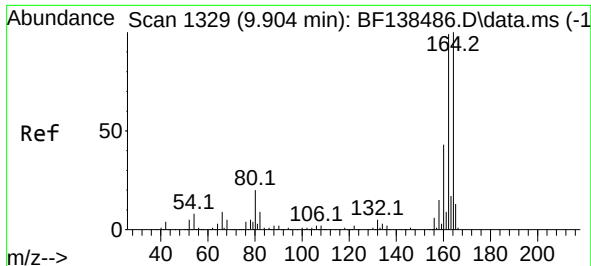
Tgt Ion:142 Resp: 624659

Ion Ratio Lower Upper

142 100

141 91.1 72.6 108.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

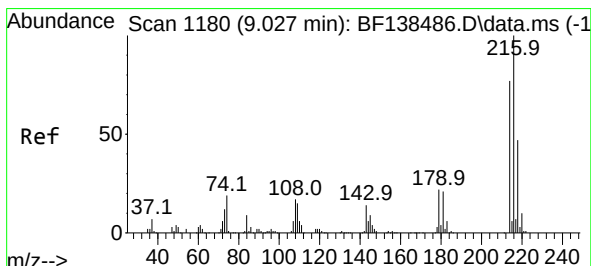
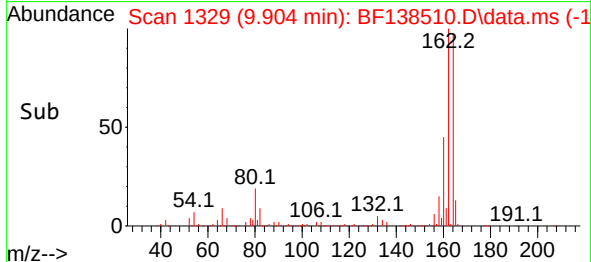
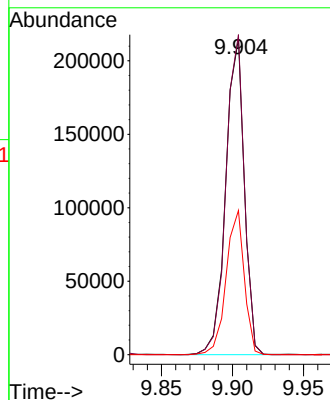
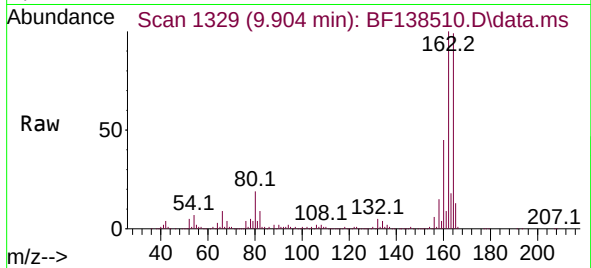
Tgt Ion:164 Resp: 195868

Ion Ratio Lower Upper

164 100

162 101.3 79.0 118.6

160 45.6 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.280 ng

RT: 9.028 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Tgt Ion:216 Resp: 285396

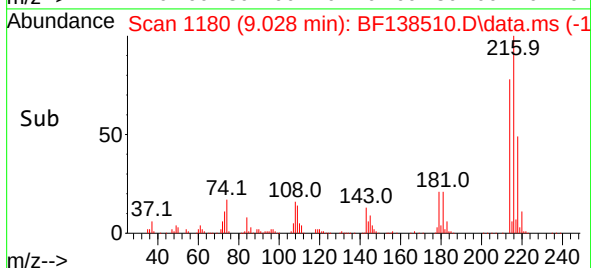
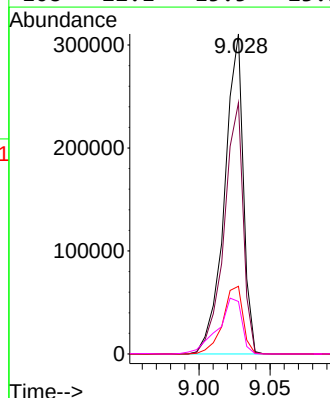
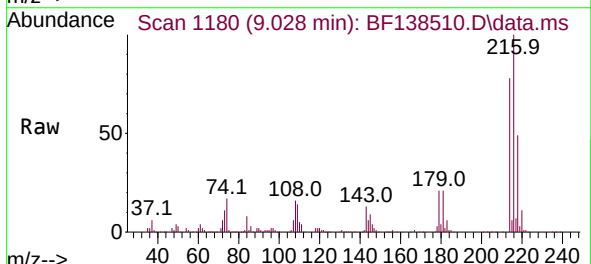
Ion Ratio Lower Upper

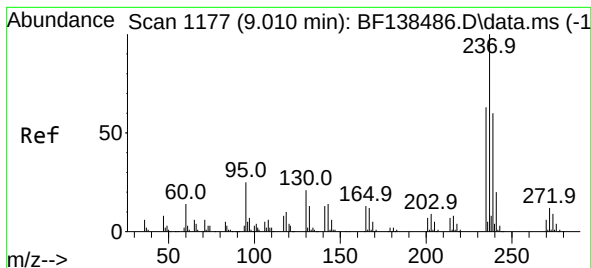
216 100

214 79.7 62.8 94.2

179 22.6 17.7 26.5

108 22.1 15.5 23.3





#41

Hexachlorocyclopentadiene

Concen: 160.161 ng

RT: 9.010 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

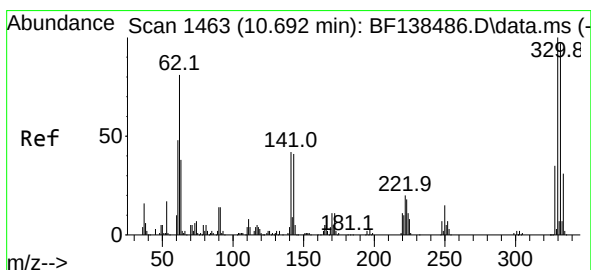
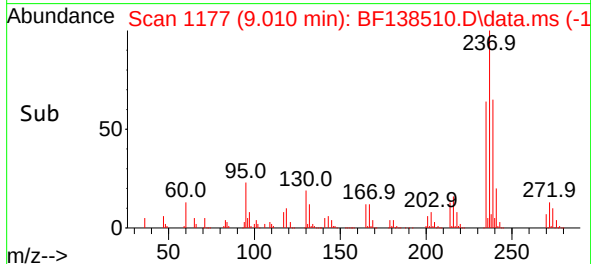
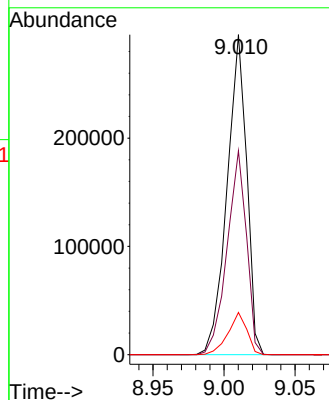
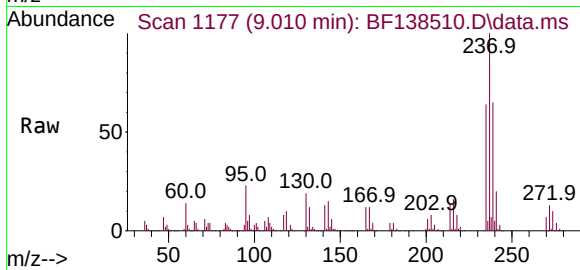
Tgt Ion:237 Resp: 283786

Ion Ratio Lower Upper

237 100

235 63.7 43.3 83.3

272 13.2 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 111.467 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

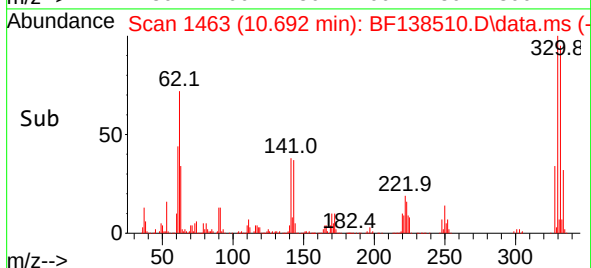
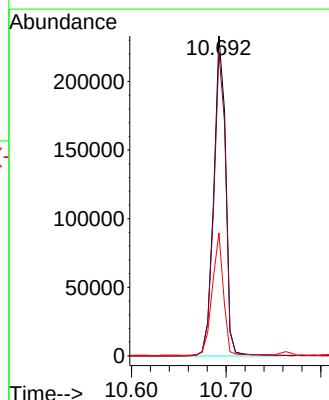
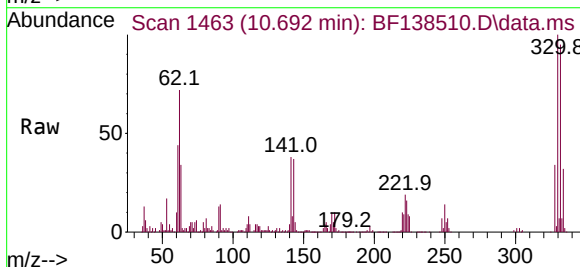
Tgt Ion:330 Resp: 204050

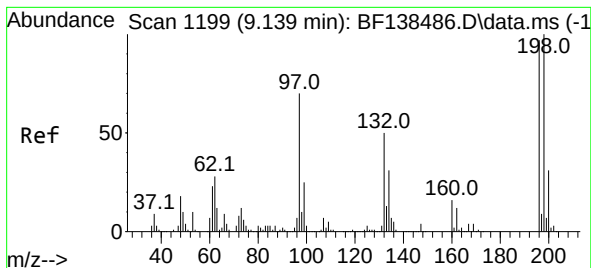
Ion Ratio Lower Upper

330 100

332 95.3 76.8 115.2

141 35.8 29.4 44.2





#43

2,4,6-Trichlorophenol

Concen: 56.682 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

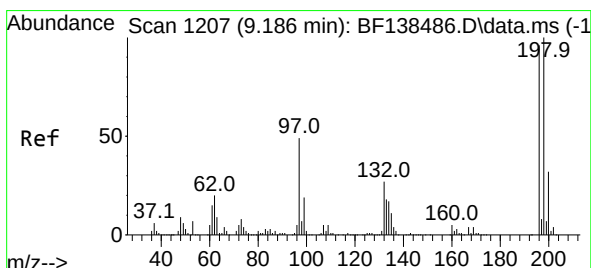
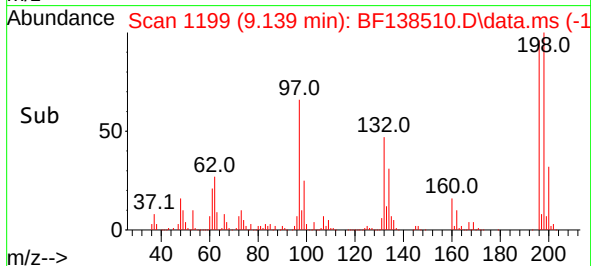
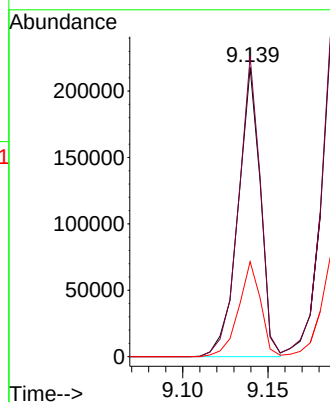
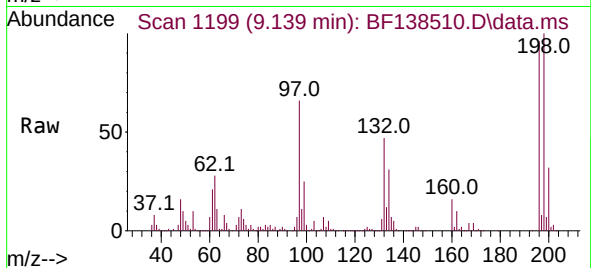
Tgt Ion:196 Resp: 197377

Ion Ratio Lower Upper

196 100

198 103.8 82.3 123.5

200 32.8 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 53.929 ng

RT: 9.187 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Tgt Ion:196 Resp: 206544

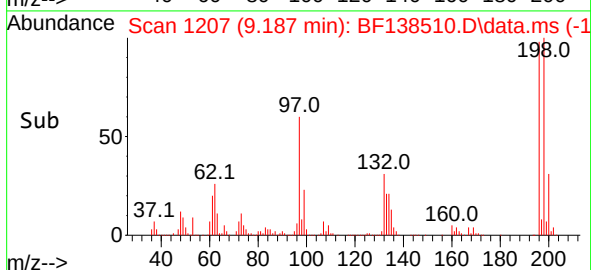
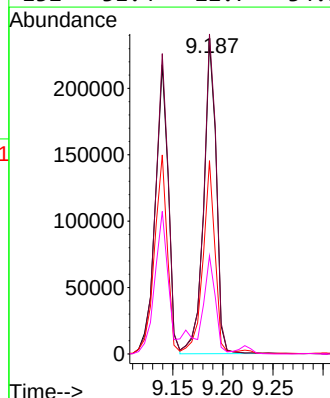
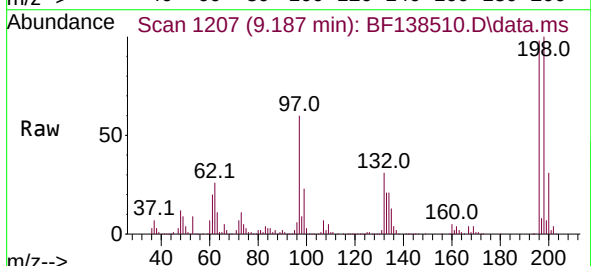
Ion Ratio Lower Upper

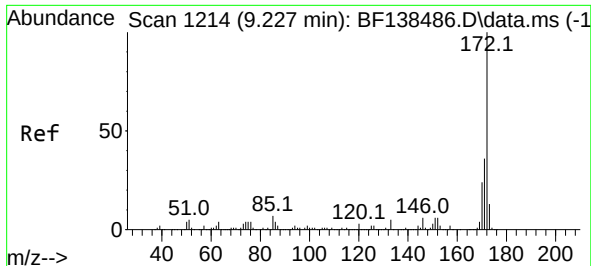
196 100

198 102.5 82.8 124.2

97 61.9 41.0 61.4#

132 31.4 22.7 34.1

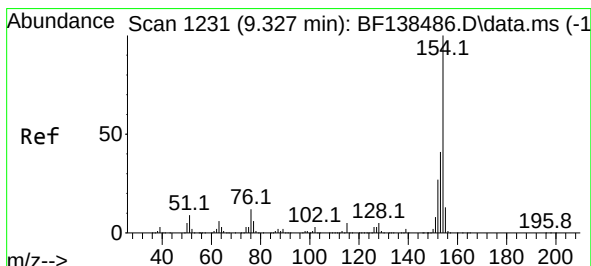
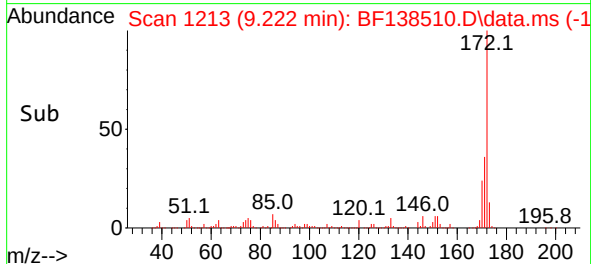
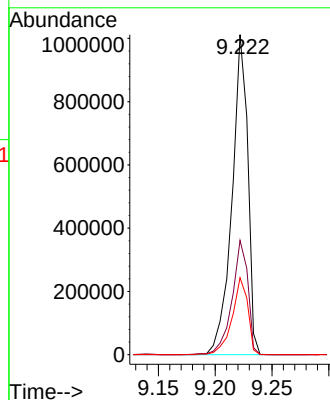
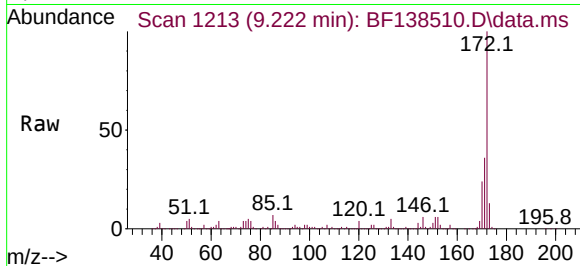




#45
2-Fluorobiphenyl
Concen: 77.808 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

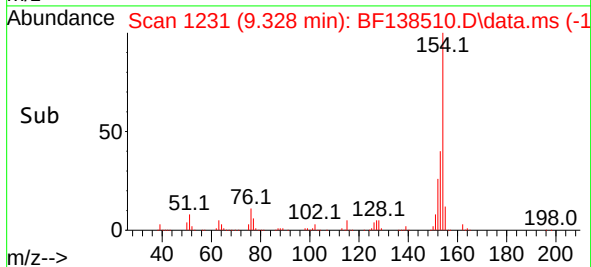
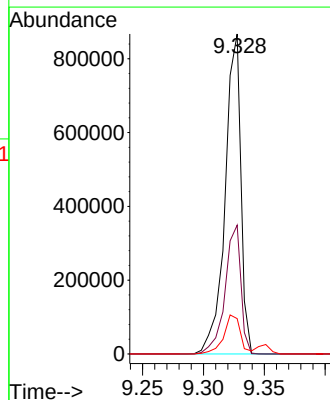
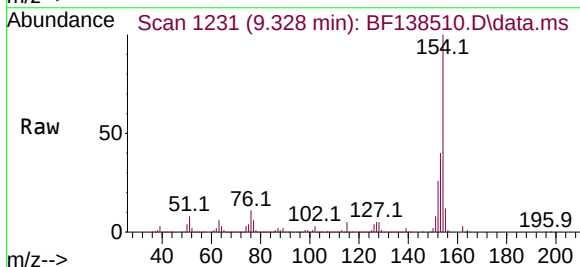
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

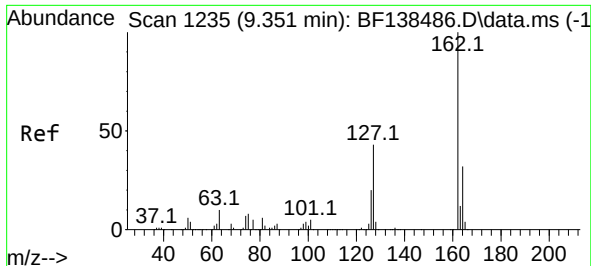
Tgt Ion:172 Resp: 975118
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 24.0 18.9 28.3



#46
1,1'-Biphenyl
Concen: 52.694 ng
RT: 9.328 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:154 Resp: 782176
Ion Ratio Lower Upper
154 100
153 40.3 20.7 60.7
76 11.1 0.0 32.2

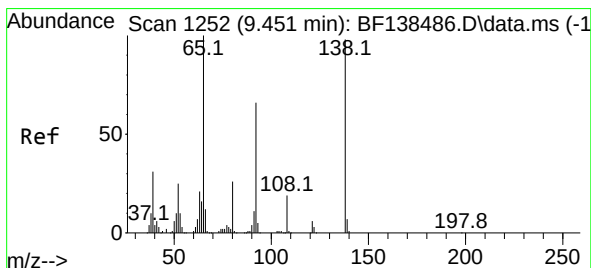
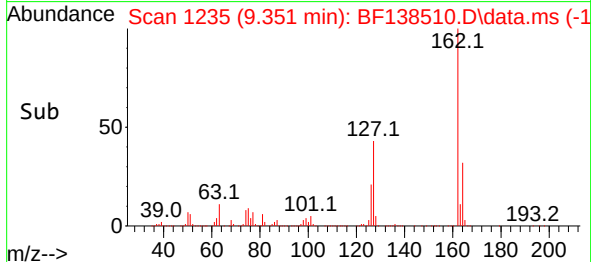
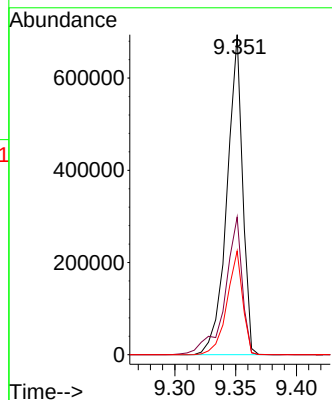
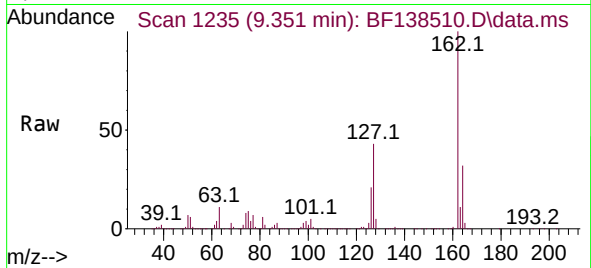




#47
2-Chloronaphthalene
Concen: 55.268 ng
RT: 9.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

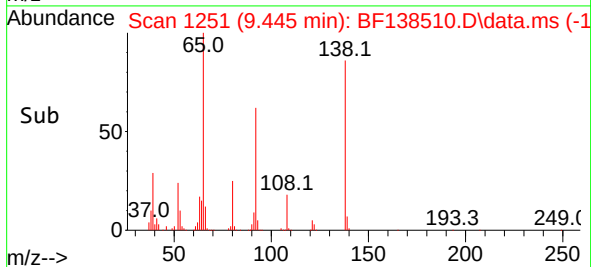
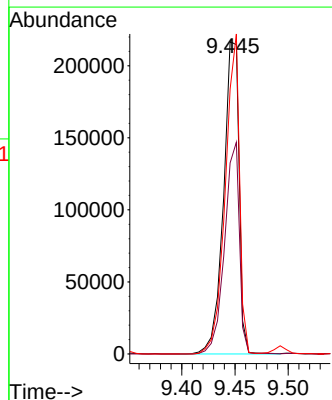
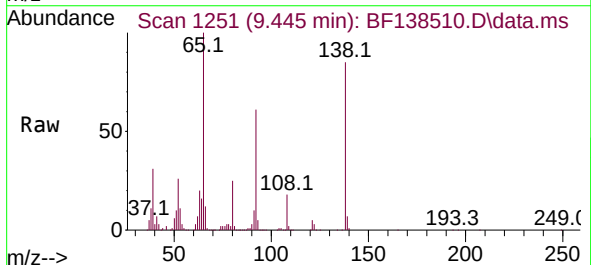
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

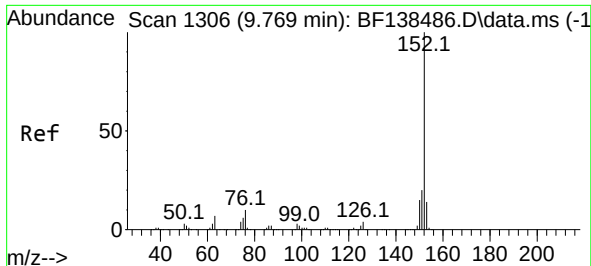
Tgt Ion:162 Resp: 619771
Ion Ratio Lower Upper
162 100
127 43.0 34.8 52.2
164 32.4 25.6 38.4



#48
2-Nitroaniline
Concen: 56.612 ng
RT: 9.445 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 65 Resp: 219990
Ion Ratio Lower Upper
65 100
92 61.2 52.6 78.8
138 84.8 78.6 118.0

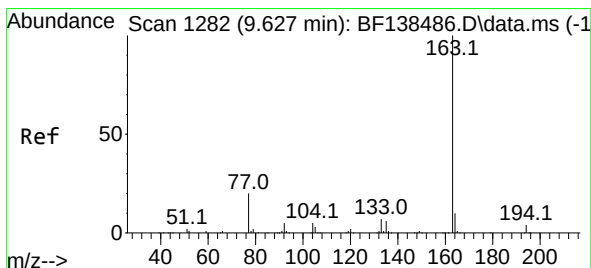
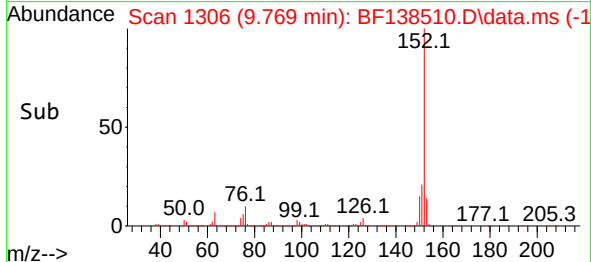
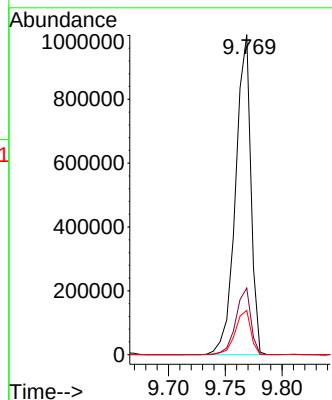
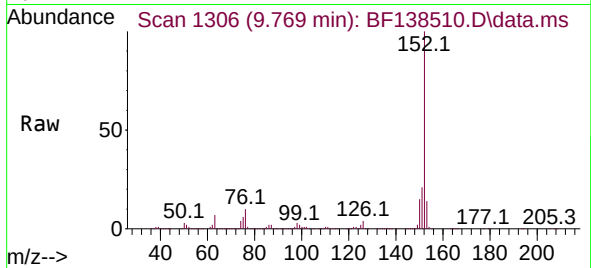




#49
Acenaphthylene
Concen: 58.762 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

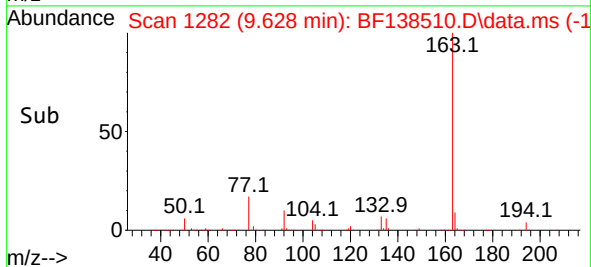
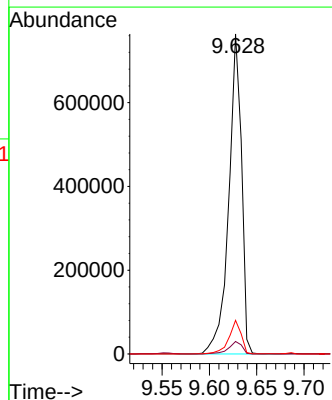
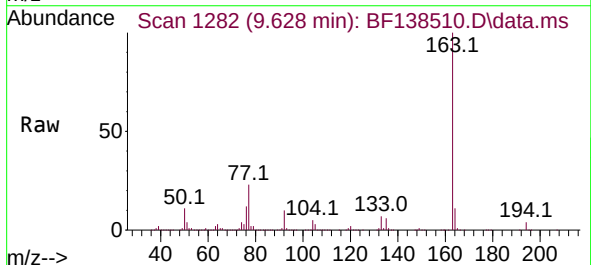
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

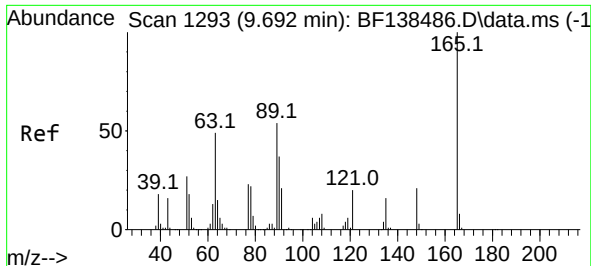
Tgt Ion:152 Resp: 935555
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 13.9 11.3 16.9



#50
Dimethylphthalate
Concen: 56.724 ng
RT: 9.628 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:163 Resp: 718427
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.5 8.1 12.1

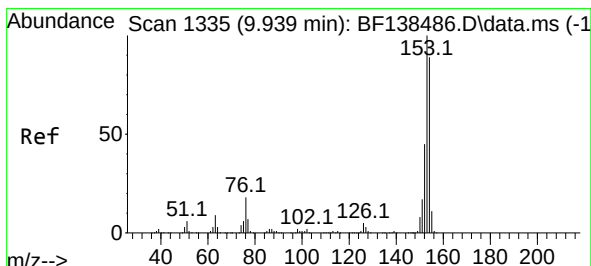
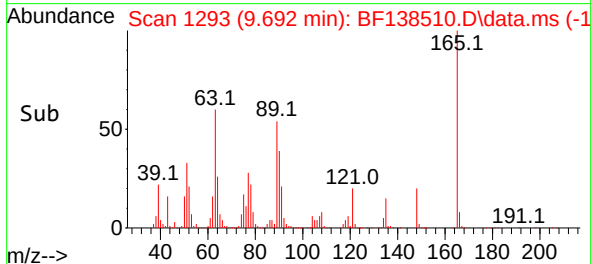
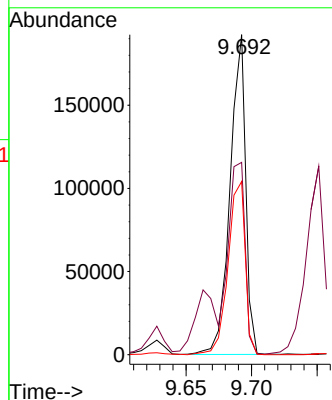
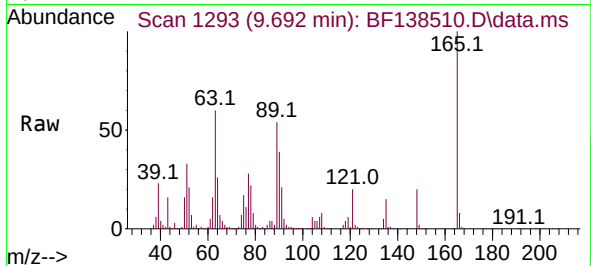




#51
2,6-Dinitrotoluene
Concen: 54.527 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

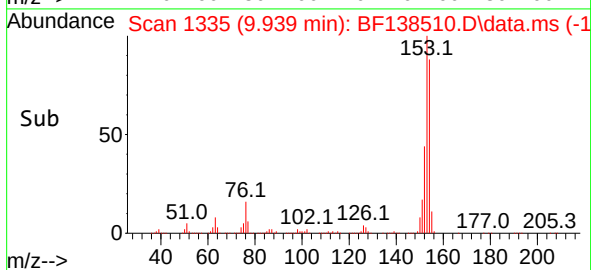
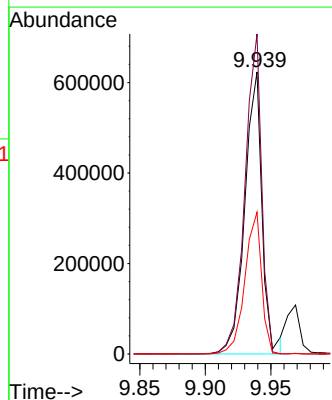
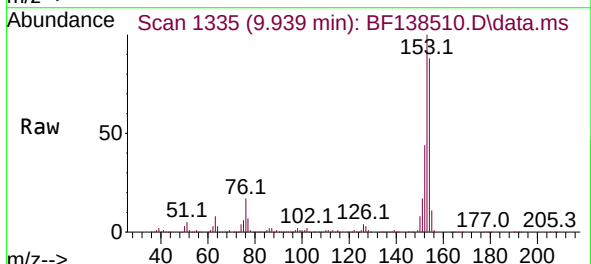
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

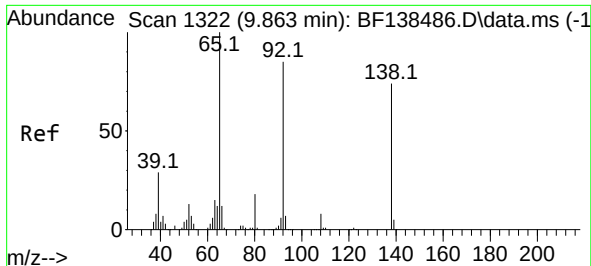
Tgt Ion:165 Resp: 159008
Ion Ratio Lower Upper
165 100
63 60.1 48.1 72.1
89 54.1 43.0 64.6



#52
Acenaphthene
Concen: 54.195 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:154 Resp: 573546
Ion Ratio Lower Upper
154 100
153 113.4 90.4 135.6
152 50.3 41.1 61.7

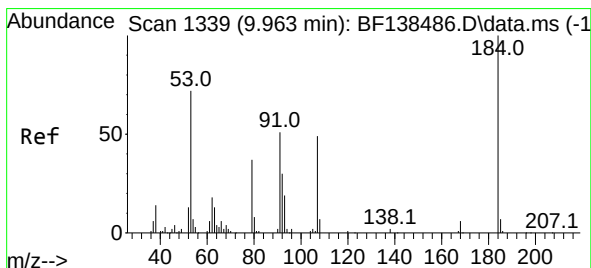
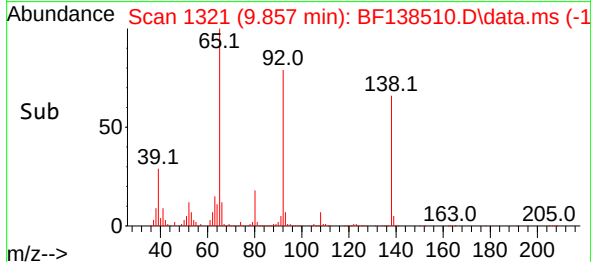
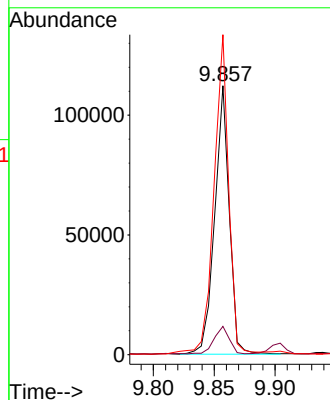
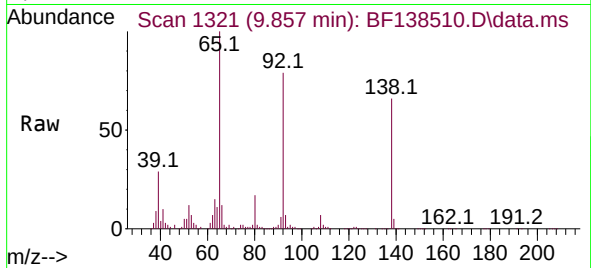




#53
3-Nitroaniline
Concen: 31.272 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

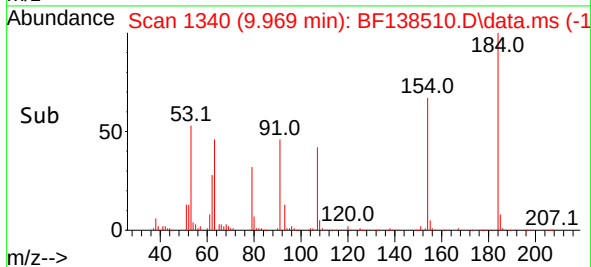
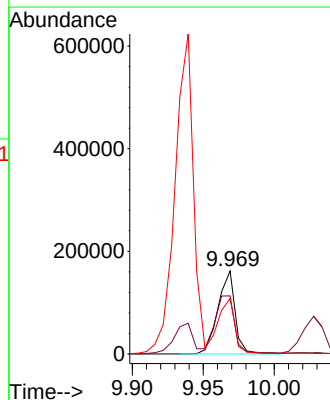
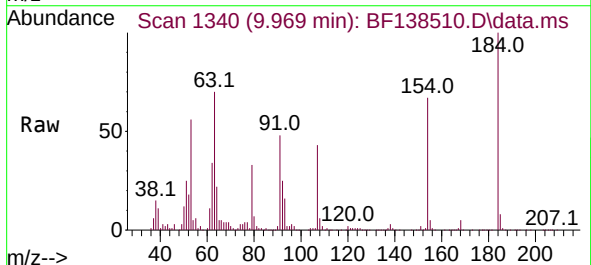
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

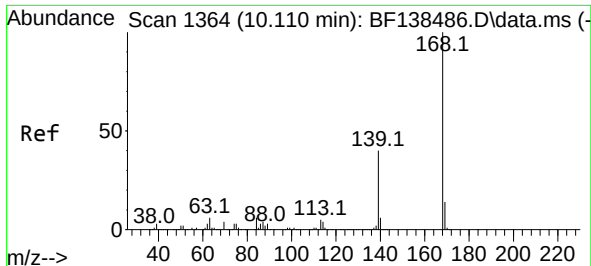
Tgt Ion:138 Resp: 93466
Ion Ratio Lower Upper
138 100
108 10.5 8.3 12.5
92 119.0 92.6 138.8



#54
2,4-Dinitrophenol
Concen: 86.822 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:184 Resp: 136542
Ion Ratio Lower Upper
184 100
63 70.0 70.6 106.0#
154 67.0 53.8 80.6

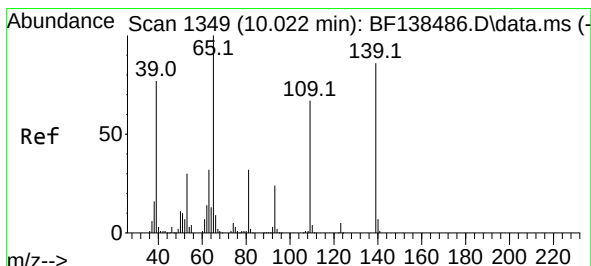
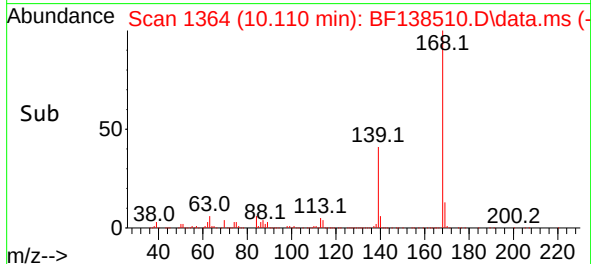
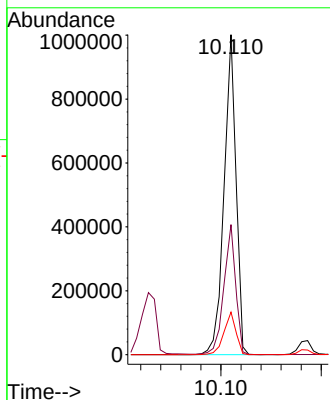
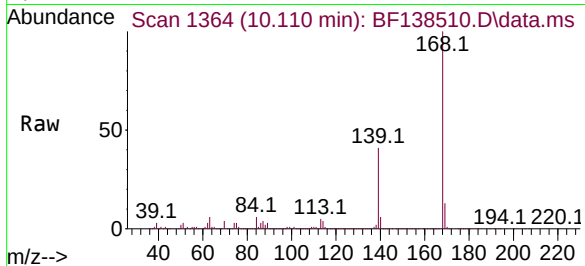




#55
Dibenzenofuran
Concen: 53.951 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

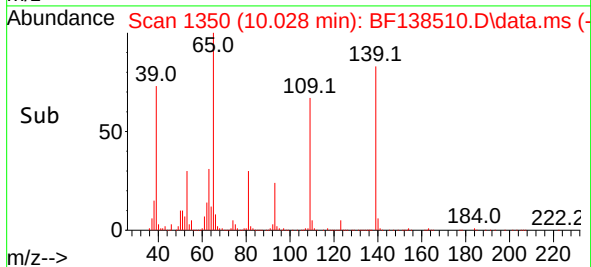
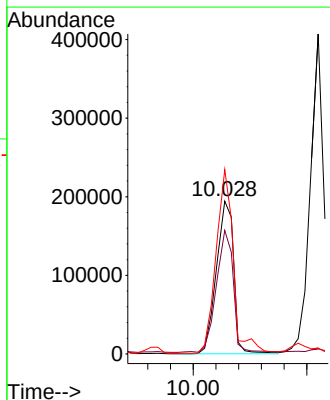
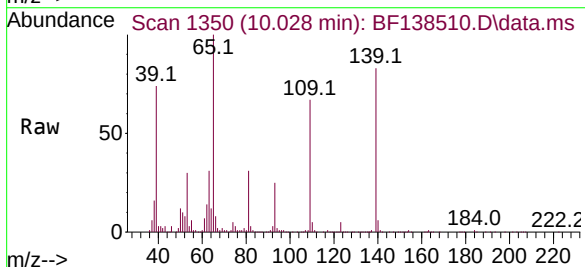
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

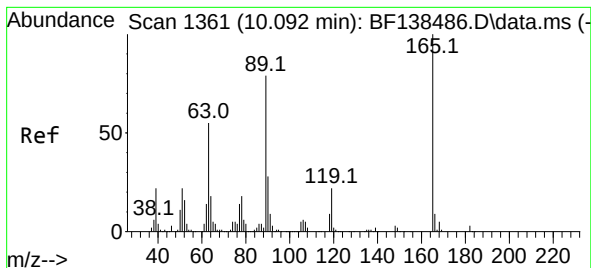
Tgt Ion:168 Resp: 828156
Ion Ratio Lower Upper
168 100
139 40.6 32.4 48.6
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 93.099 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:139 Resp: 205315
Ion Ratio Lower Upper
139 100
109 80.9 58.1 98.1
65 120.7 96.9 136.9

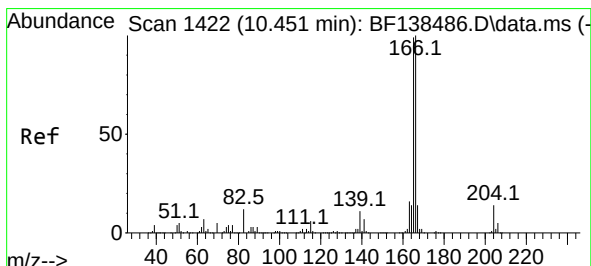
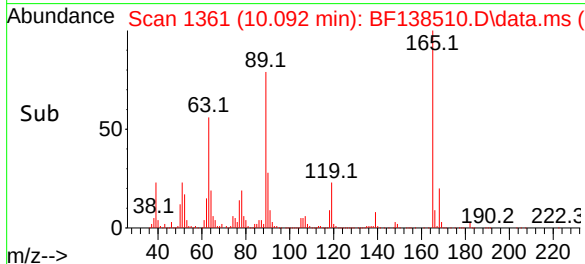
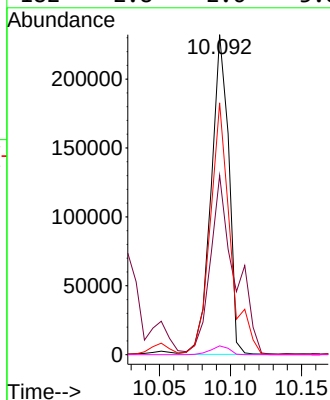
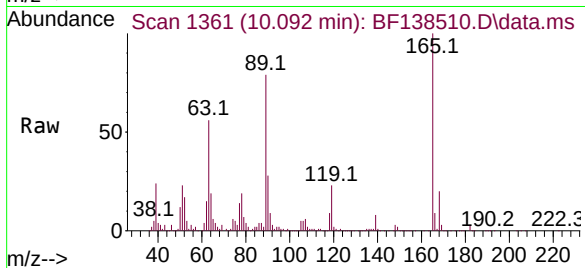




#57
2,4-Dinitrotoluene
Concen: 52.941 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

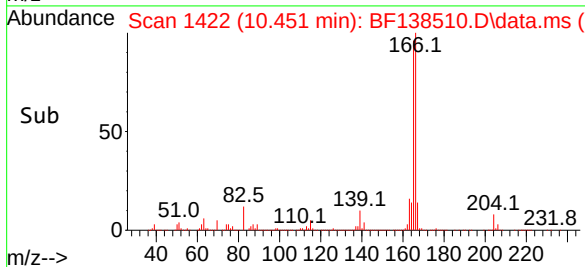
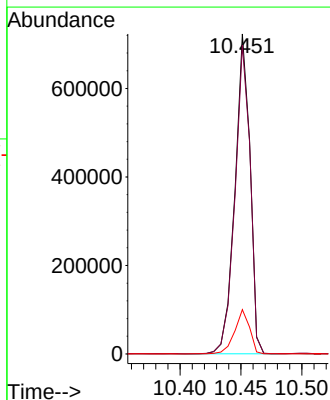
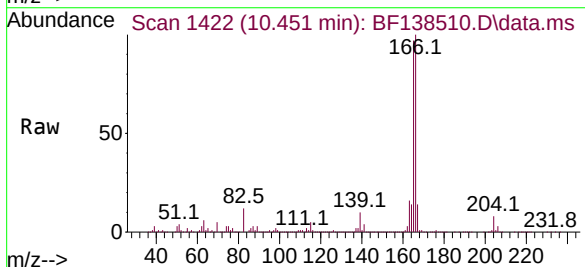
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

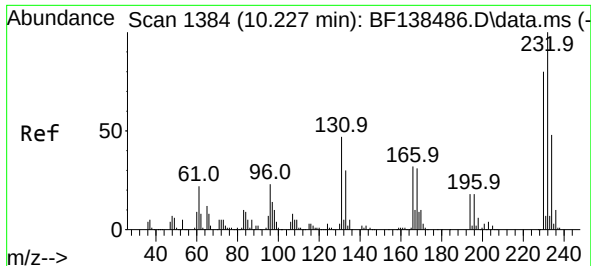
Tgt Ion:165 Resp: 199750
Ion Ratio Lower Upper
165 100
63 56.1 44.6 66.8
89 78.7 63.4 95.2
182 2.8 2.6 3.8



#58
Fluorene
Concen: 51.188 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:166 Resp: 621728
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 13.9 11.0 16.6



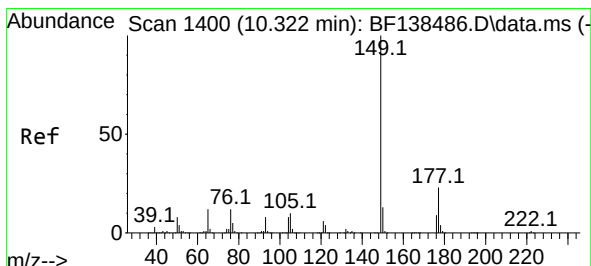
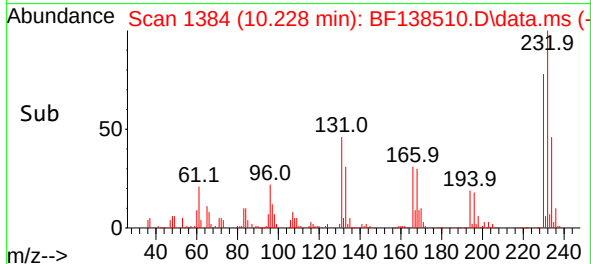
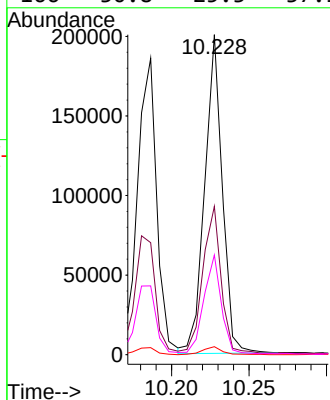
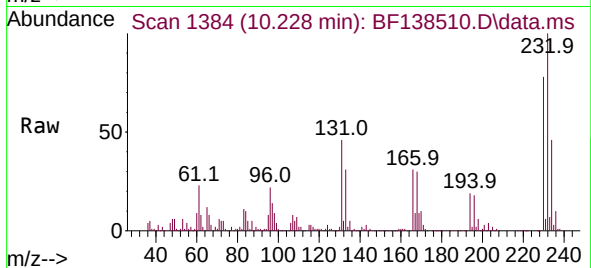


#59
2,3,4,6-Tetrachlorophenol
Concen: 52.441 ng
RT: 10.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

Tgt Ion:232 Resp: 158511

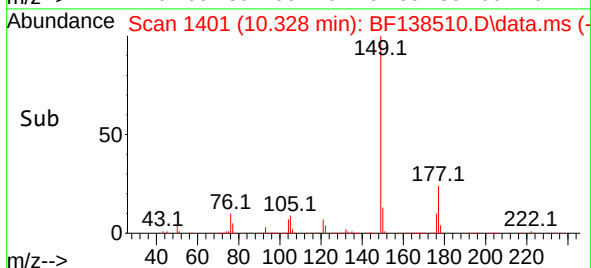
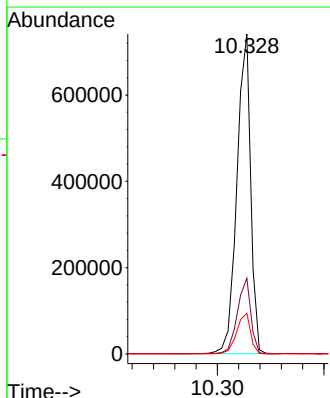
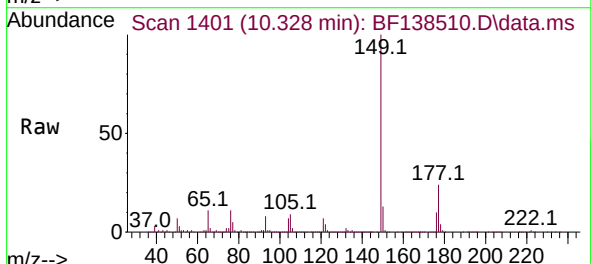
Ion	Ratio	Lower	Upper
232	100		
131	48.8	37.5	56.3
130	2.8	2.0	3.0
166	30.8	25.3	37.9

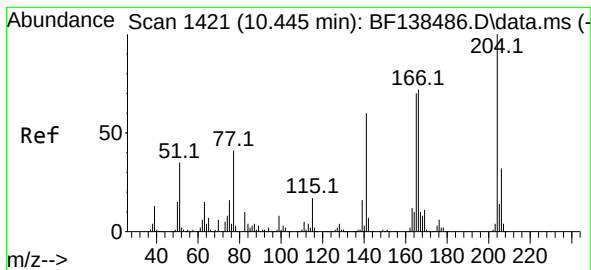


#60
Diethylphthalate
Concen: 54.463 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:149 Resp: 664974

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.5	27.7
150	12.8	10.3	15.5

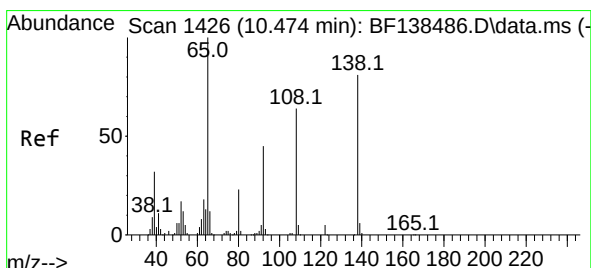
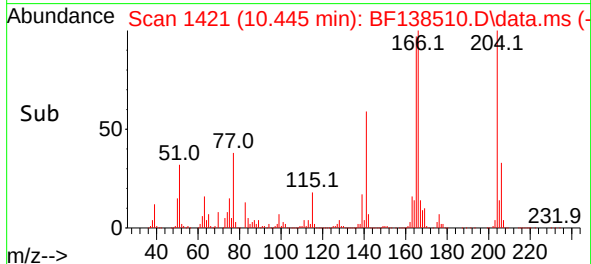
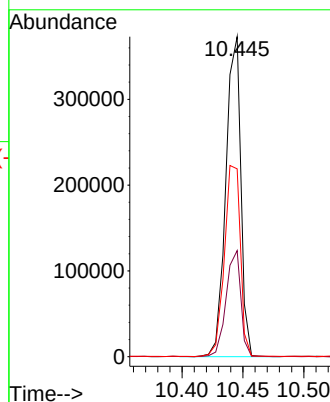
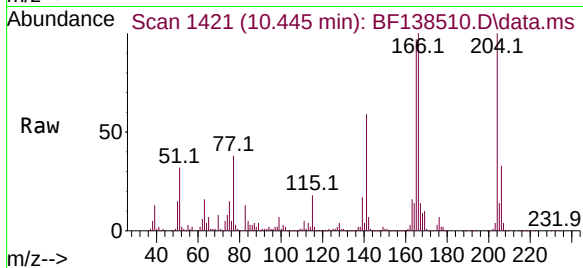




#61
4-Chlorophenyl-phenylether
Concen: 52.349 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

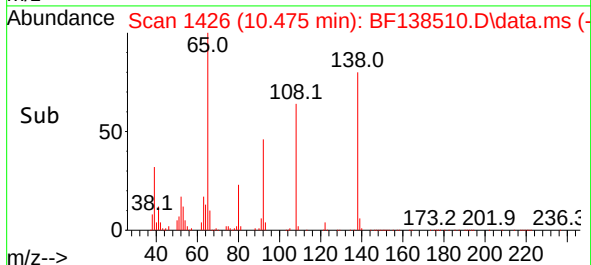
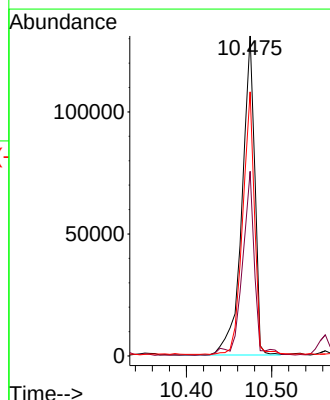
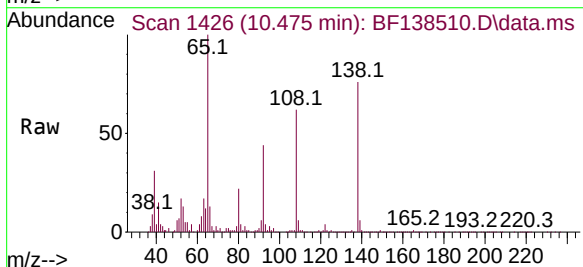
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

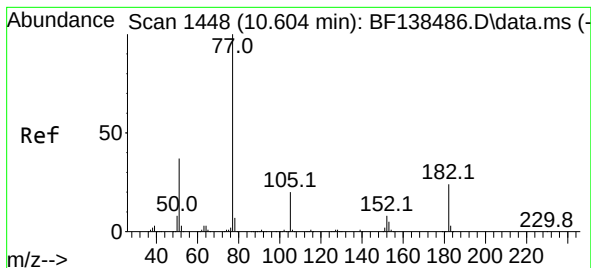
Tgt Ion:204 Resp: 319279
Ion Ratio Lower Upper
204 100
206 33.2 25.6 38.4
141 58.7 47.7 71.5



#62
4-Nitroaniline
Concen: 45.492 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:138 Resp: 136249
Ion Ratio Lower Upper
138 100
92 57.7 35.8 75.8
108 82.6 59.8 99.8





#63

Azobenzene

Concen: 53.085 ng

RT: 10.604 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

Tgt Ion: 77 Resp: 696860

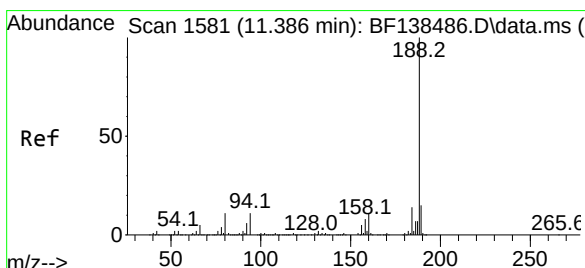
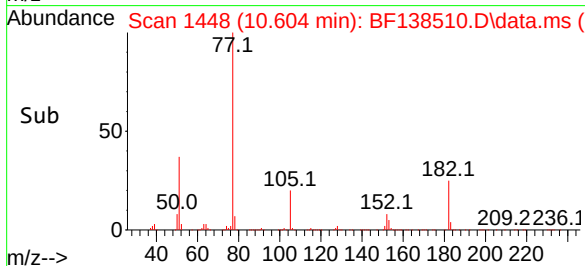
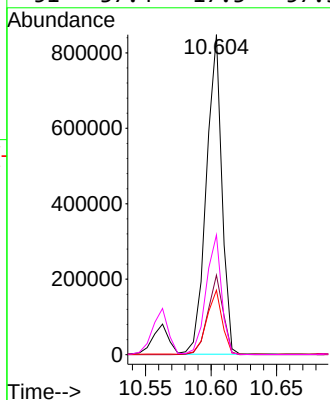
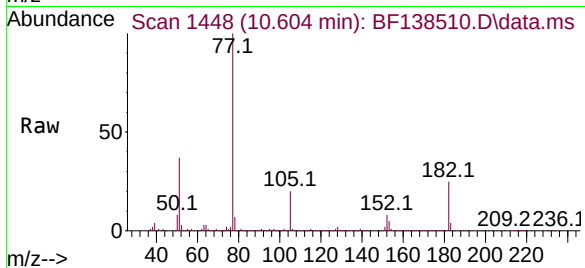
Ion Ratio Lower Upper

77 100

182 24.8 3.8 43.8

105 20.2 0.0 39.8

51 37.4 17.3 57.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

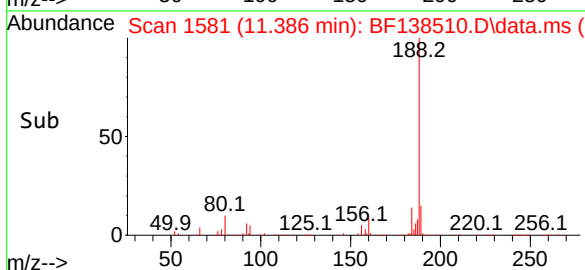
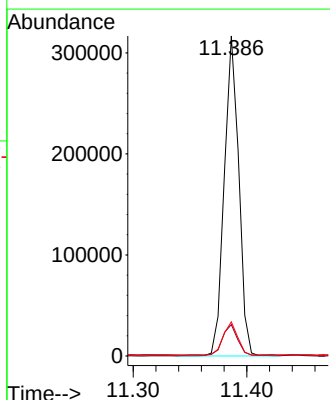
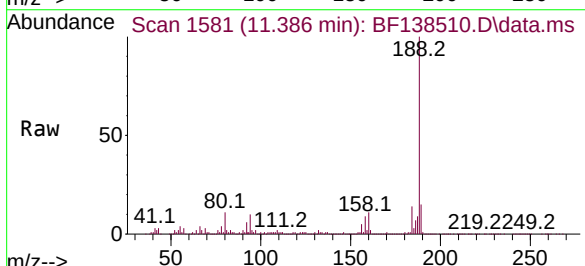
Tgt Ion: 188 Resp: 281455

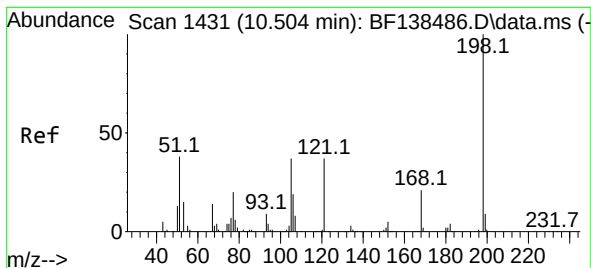
Ion Ratio Lower Upper

188 100

94 9.8 8.7 13.1

80 10.7 9.0 13.4

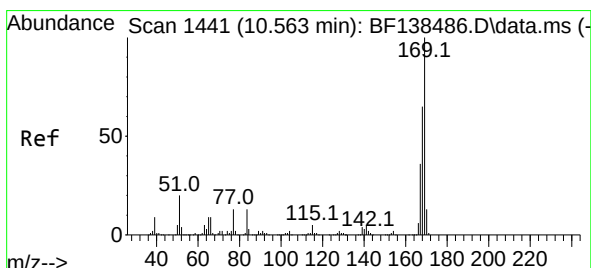
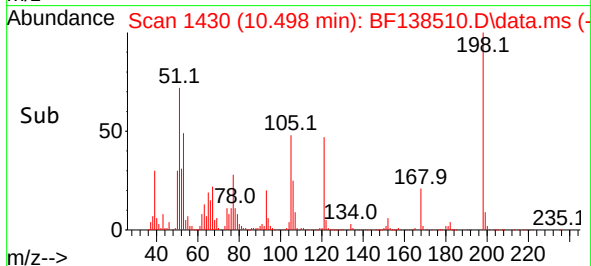
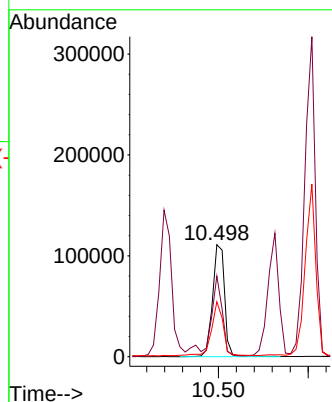
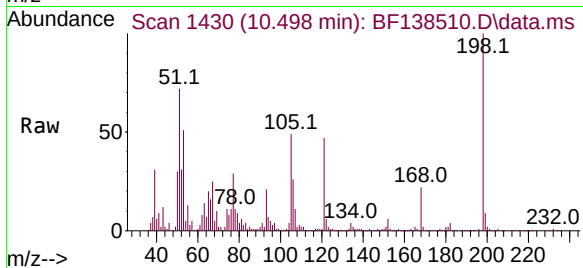




#65
4,6-Dinitro-2-methylphenol
Concen: 63.616 ng
RT: 10.498 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

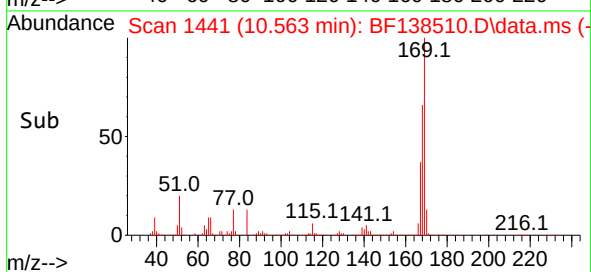
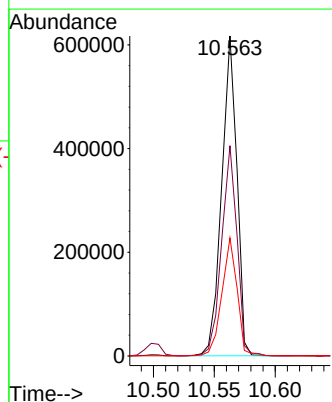
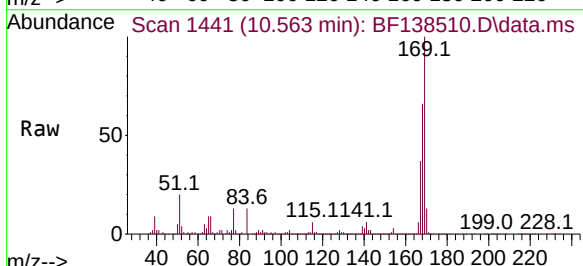
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

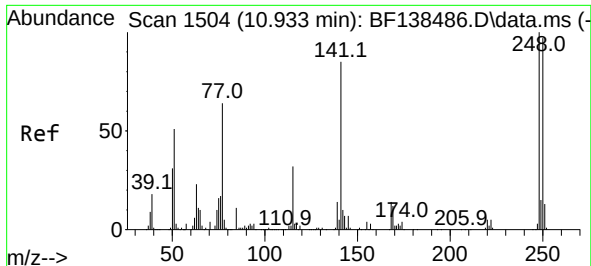
Tgt Ion:198 Resp: 103385
Ion Ratio Lower Upper
198 100
51 72.0 27.2 67.2#
105 49.0 18.5 58.5



#66
n-Nitrosodiphenylamine
Concen: 63.694 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:169 Resp: 537105
Ion Ratio Lower Upper
169 100
168 65.7 51.7 77.5
167 36.9 28.5 42.7

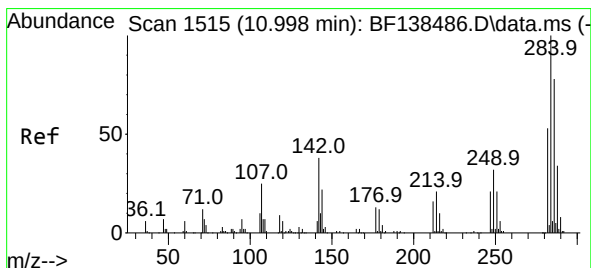
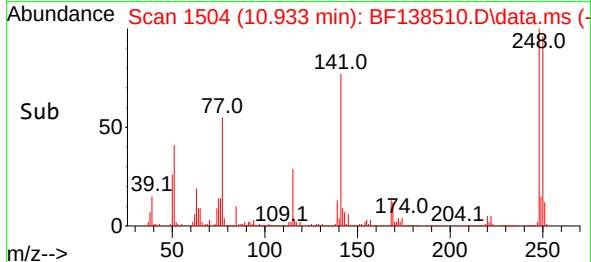
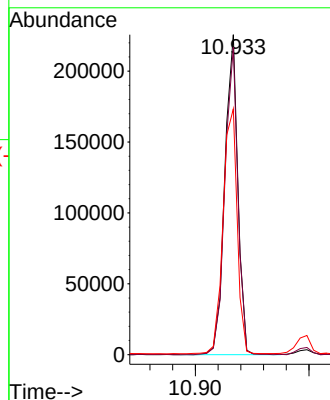
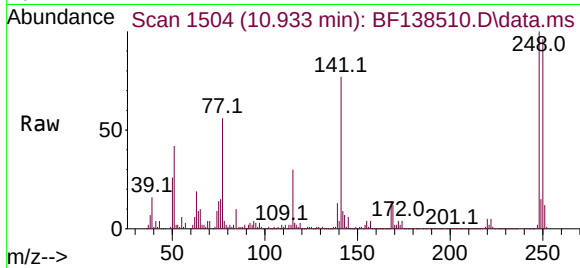




#67
4-Bromophenyl-phenylether
Concen: 62.488 ng
RT: 10.933 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

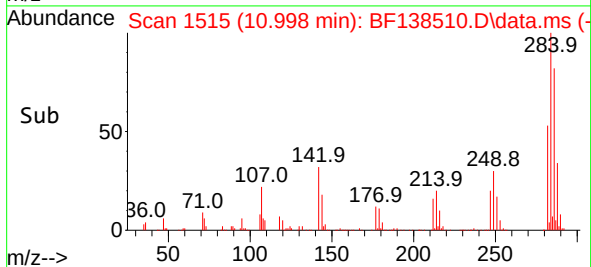
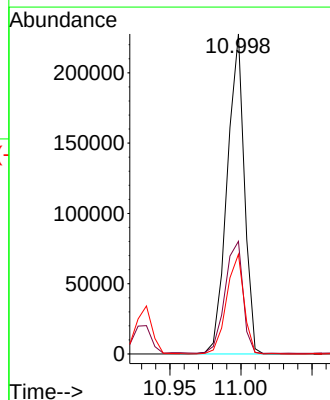
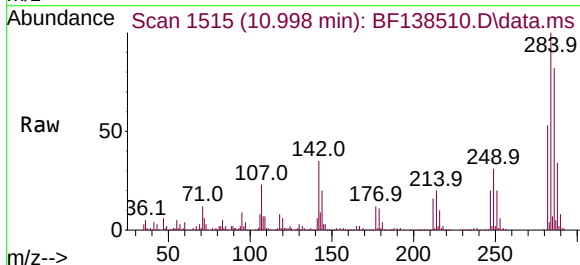
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

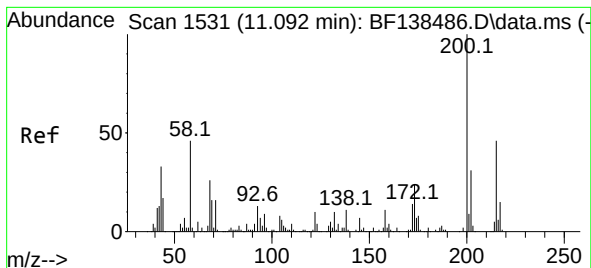
Tgt Ion:248 Resp: 180766
Ion Ratio Lower Upper
248 100
250 96.1 77.9 116.9
141 76.8 67.7 101.5



#68
Hexachlorobenzene
Concen: 59.346 ng
RT: 10.998 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:284 Resp: 190722
Ion Ratio Lower Upper
284 100
142 35.2 30.5 45.7
249 31.1 25.9 38.9





#69

Atrazine

Concen: 56.762 ng

RT: 11.092 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

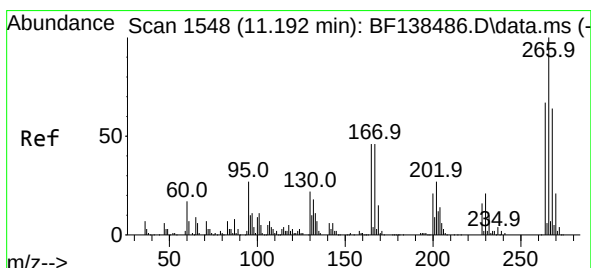
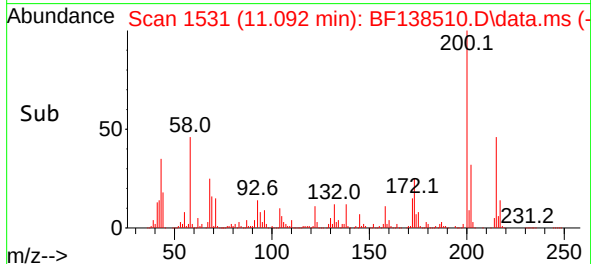
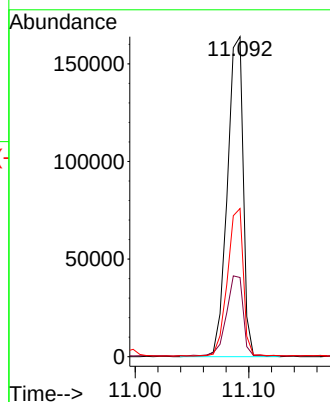
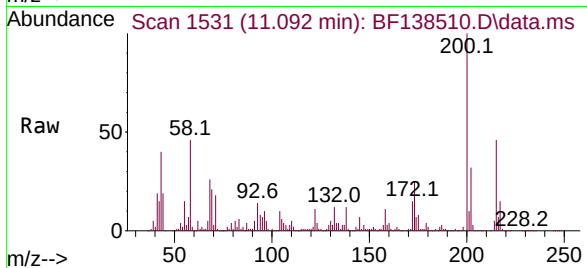
Tgt Ion:200 Resp: 158693

Ion Ratio Lower Upper

200 100

173 24.7 4.1 44.1

215 46.3 26.5 66.5



#70

Pentachlorophenol

Concen: 101.771 ng

RT: 11.192 min Scan# 1548

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

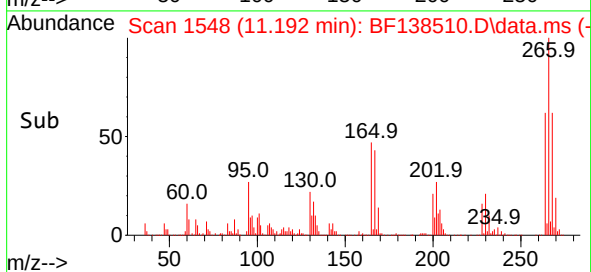
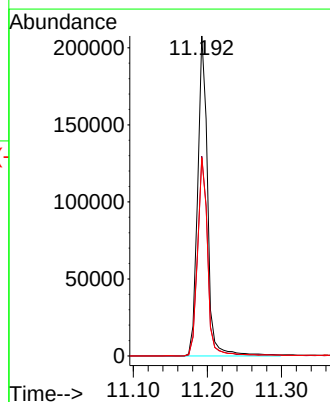
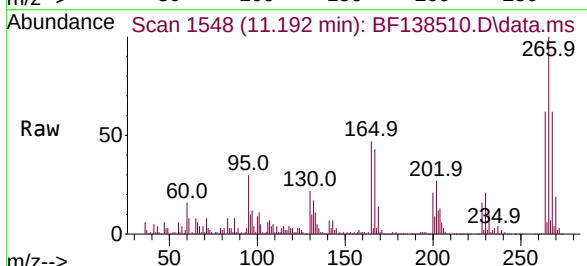
Tgt Ion:266 Resp: 193532

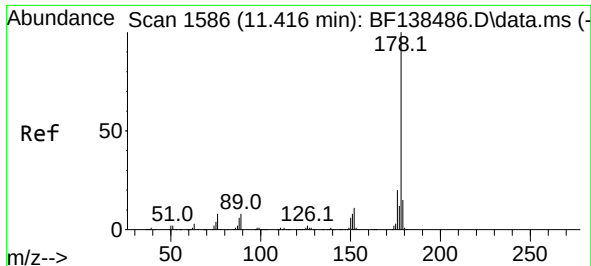
Ion Ratio Lower Upper

266 100

268 62.4 50.9 76.3

264 62.0 53.5 80.3

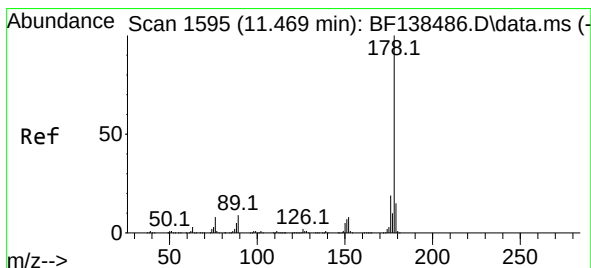
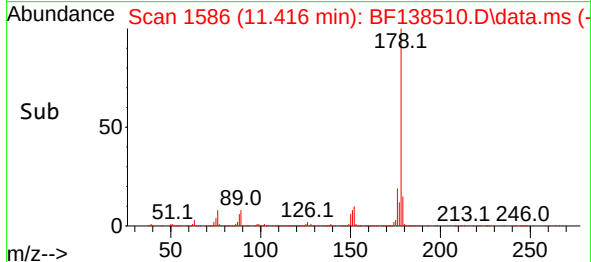
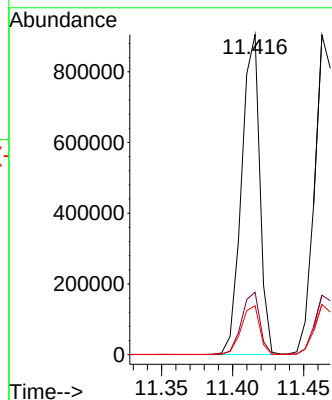
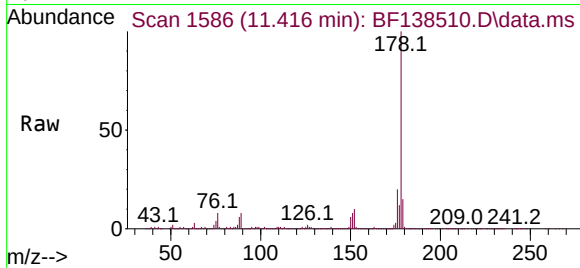




#71
Phenanthrene
Concen: 56.581 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

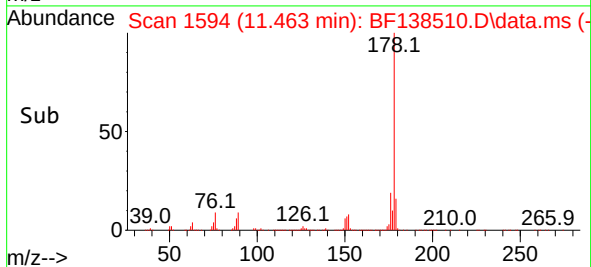
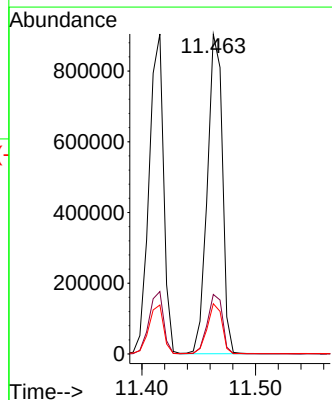
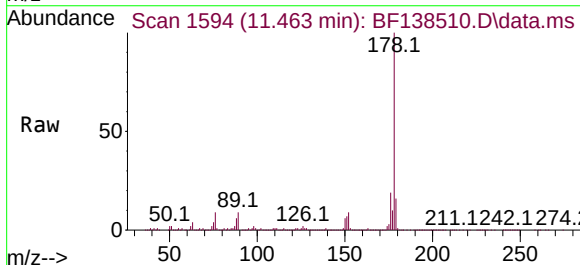
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

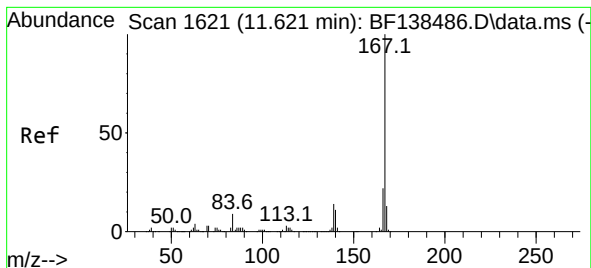
Tgt Ion:178 Resp: 804551
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.3 12.2 18.2



#72
Anthracene
Concen: 58.744 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:178 Resp: 829170
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.7 12.2 18.4





#73

Carbazole

Concen: 50.971 ng

RT: 11.622 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

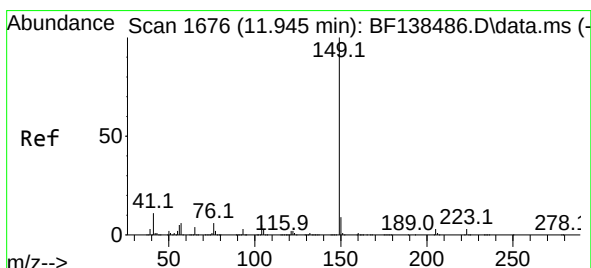
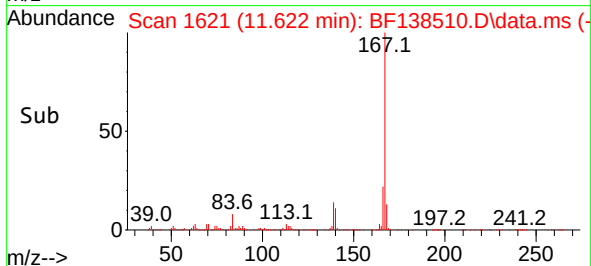
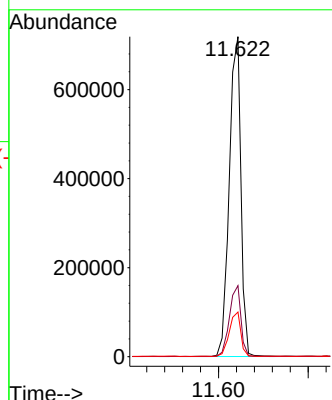
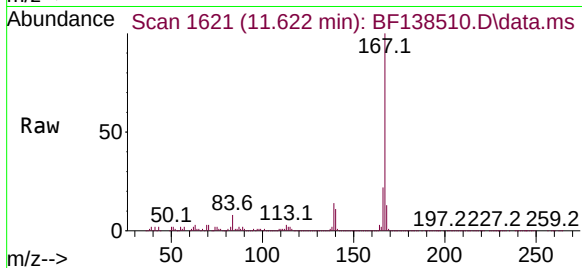
Tgt Ion:167 Resp: 646548

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.6

139 14.0 11.0 16.4



#74

Di-n-butylphthalate

Concen: 61.627 ng

RT: 11.945 min Scan# 1676

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

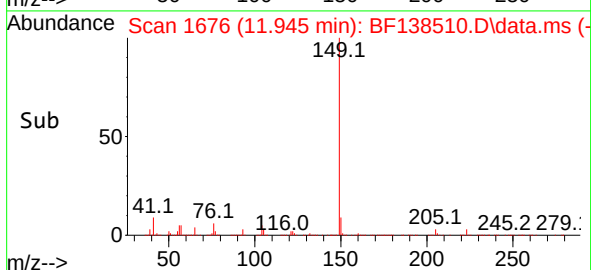
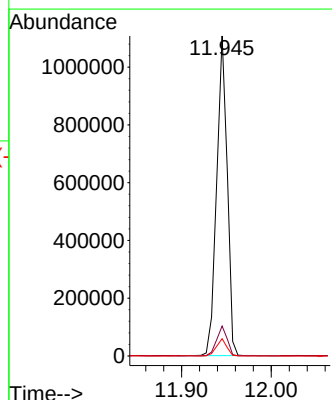
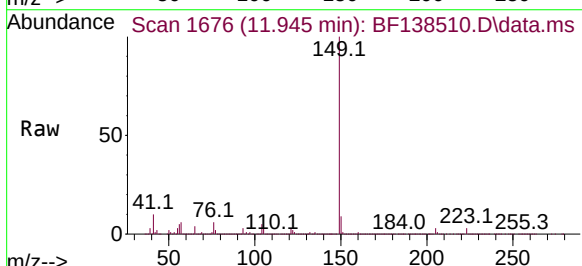
Tgt Ion:149 Resp: 901074

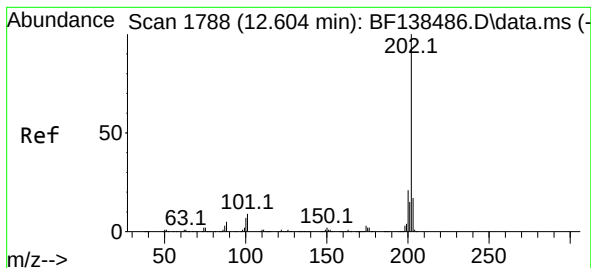
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.4 4.4 6.6





#75

Fluoranthene

Concen: 47.196 ng

RT: 12.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

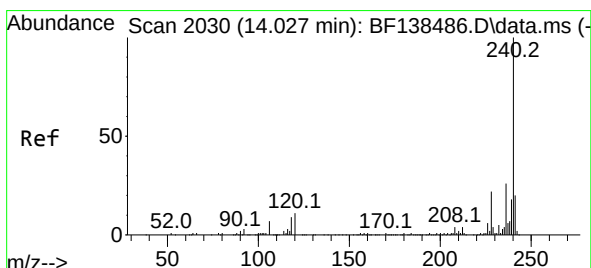
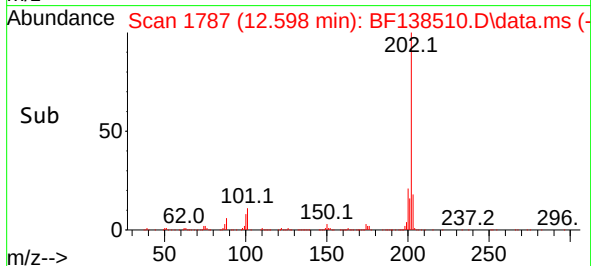
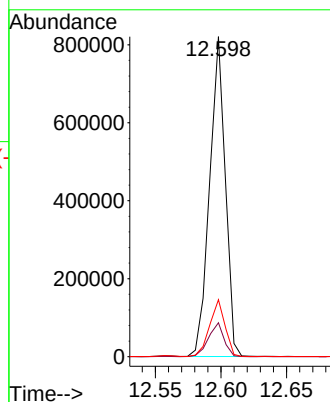
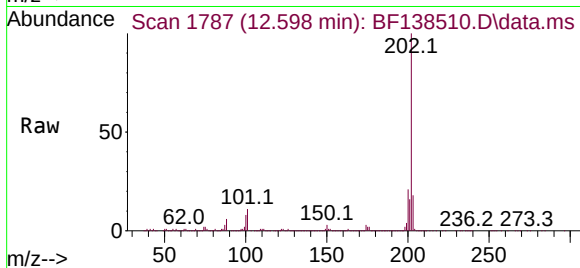
Tgt Ion:202 Resp: 684789

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.2

203 17.8 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.022 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

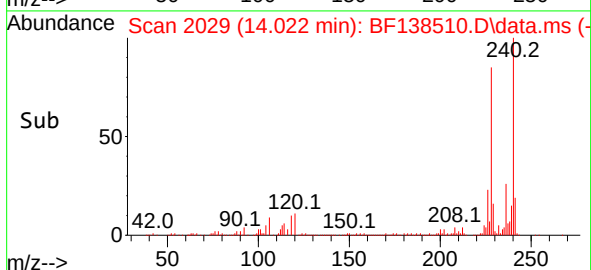
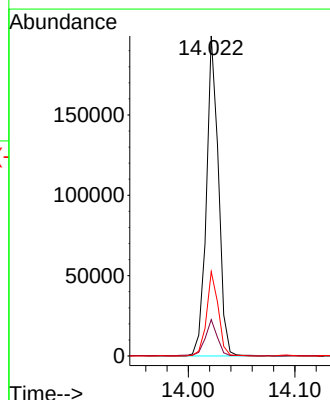
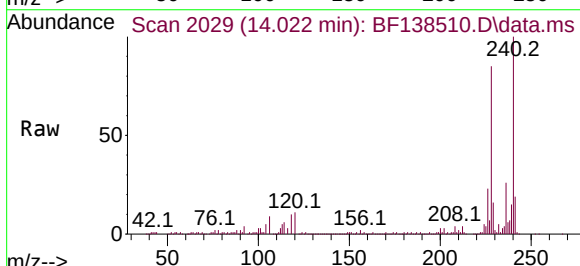
Tgt Ion:240 Resp: 156994

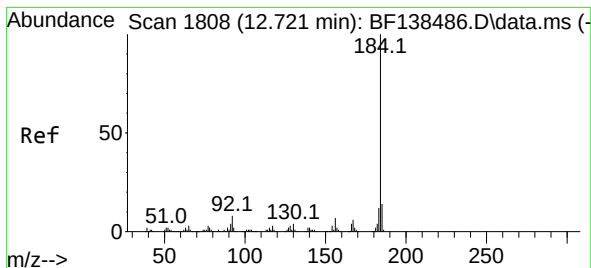
Ion Ratio Lower Upper

240 100

120 11.3 8.6 12.8

236 26.4 21.0 31.6





#77

Benzidine

Concen: 54.303 ng

RT: 12.722 min Scan# 1808

Delta R.T. 0.001 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

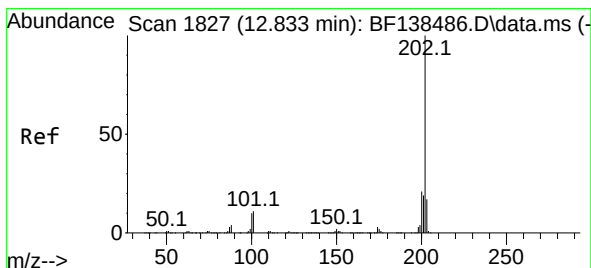
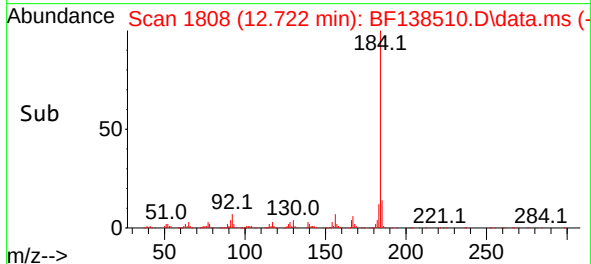
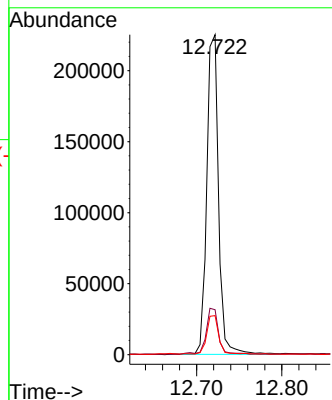
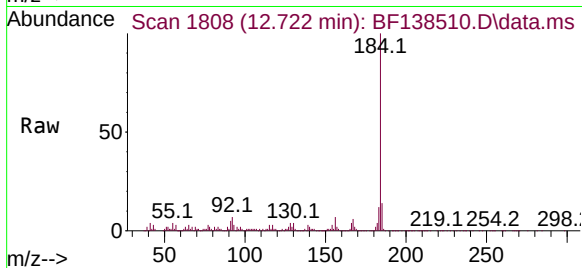
Tgt Ion:184 Resp: 215092

Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

183 12.2 9.5 14.3



#78

Pyrene

Concen: 42.846 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

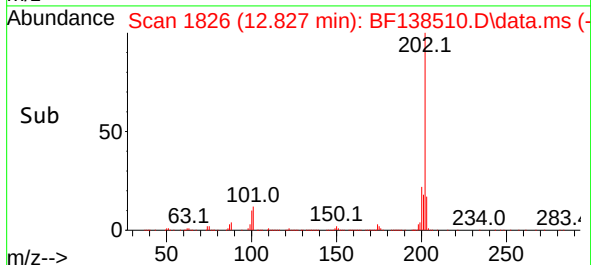
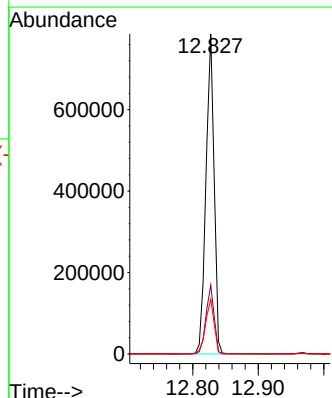
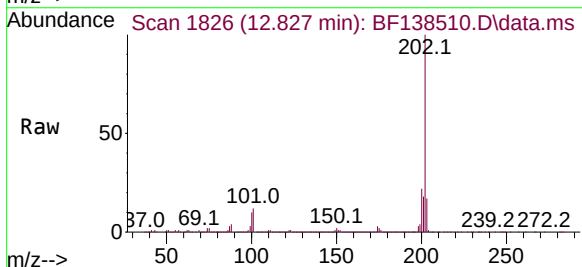
Tgt Ion:202 Resp: 682835

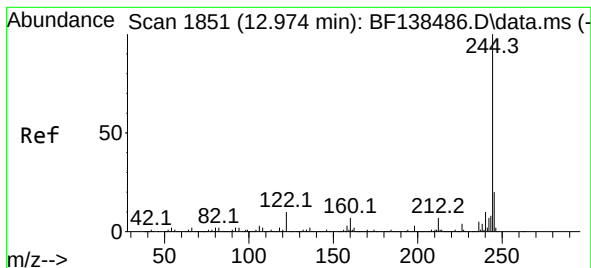
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.2 13.7 20.5





#79

Terphenyl-d14

Concen: 72.559 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

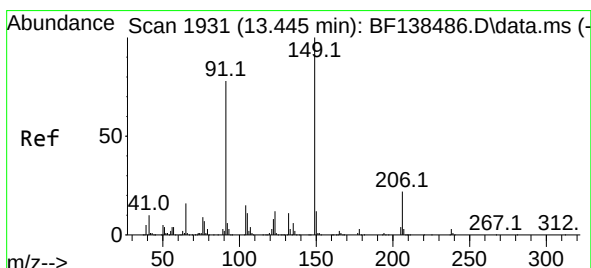
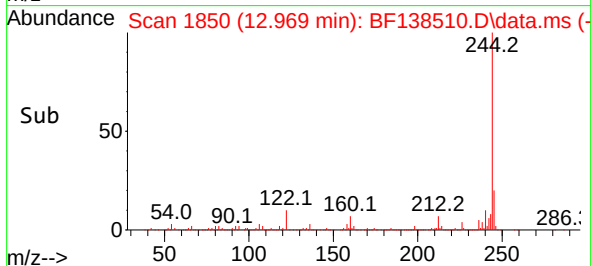
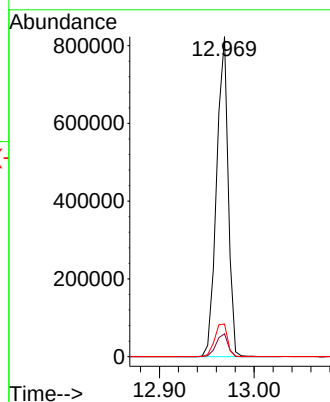
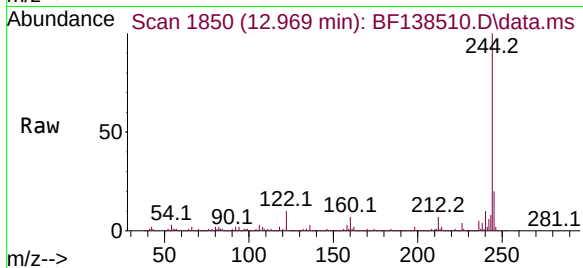
Tgt Ion:244 Resp: 699233

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 10.2 7.8 11.8



#80

Butylbenzylphthalate

Concen: 61.404 ng

RT: 13.439 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

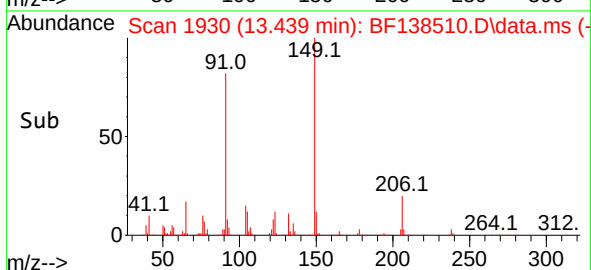
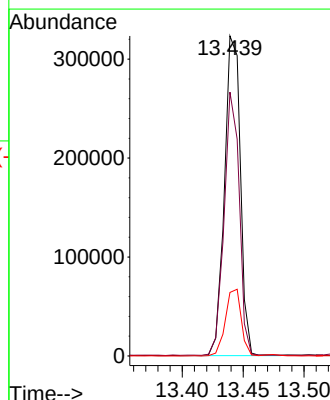
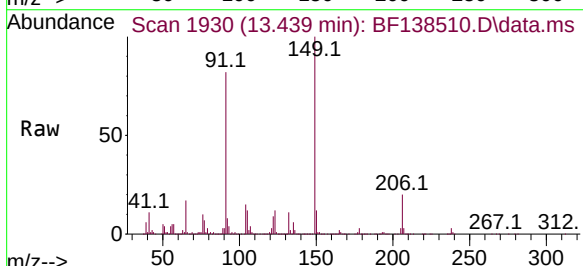
Tgt Ion:149 Resp: 294380

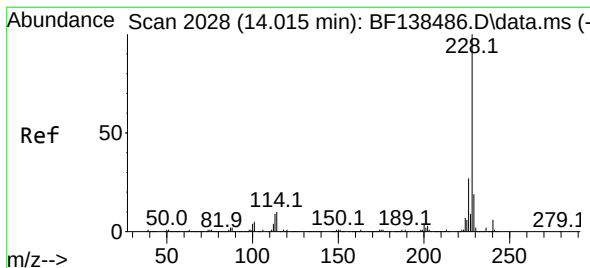
Ion Ratio Lower Upper

149 100

91 82.4 62.1 93.1

206 19.8 18.0 27.0





#81

Benzo(a)anthracene

Concen: 56.402 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

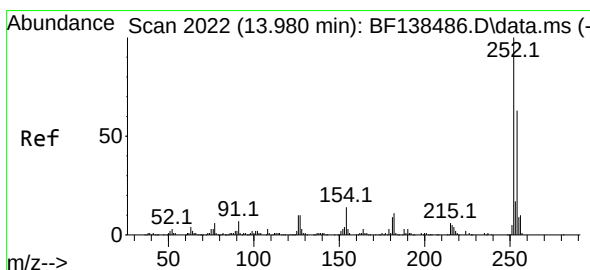
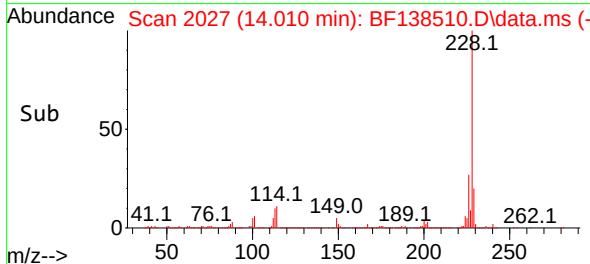
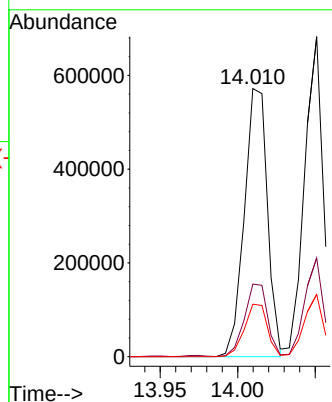
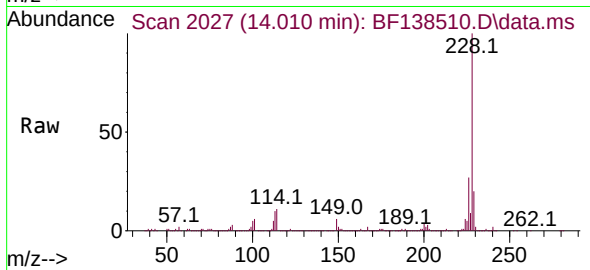
Tgt Ion:228 Resp: 594152

Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

229 19.6 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 47.746 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

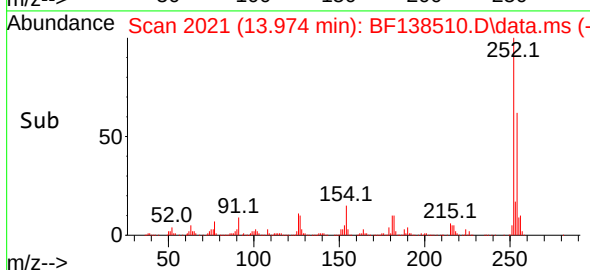
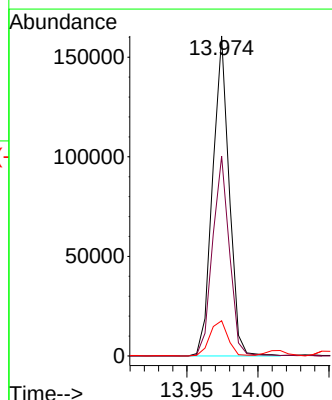
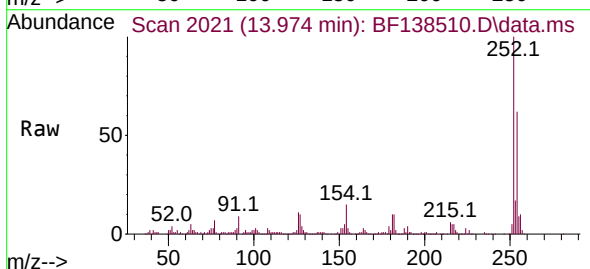
Tgt Ion:252 Resp: 129603

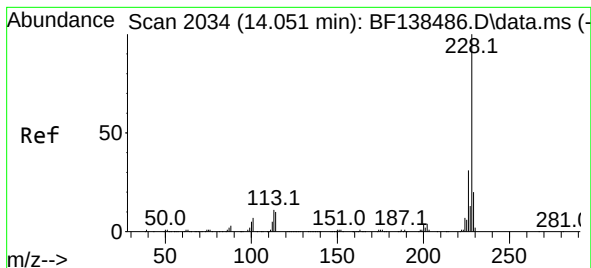
Ion Ratio Lower Upper

252 100

254 62.4 50.3 75.5

126 11.0 8.1 12.1





#83

Chrysene

Concen: 57.594 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

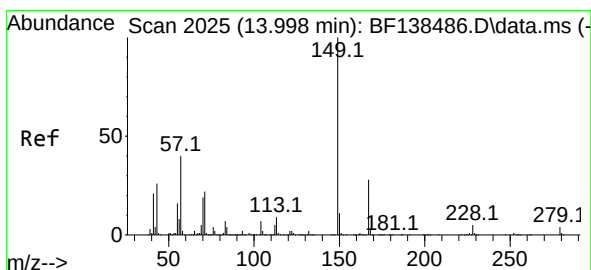
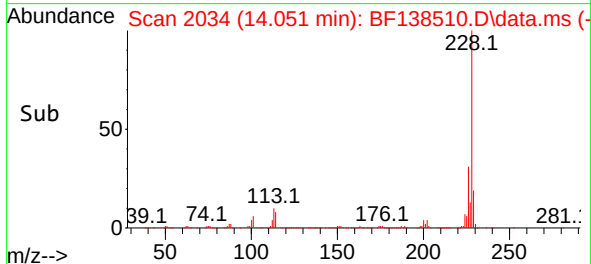
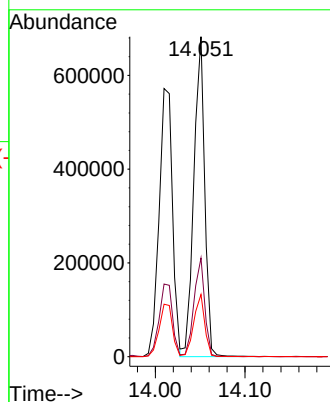
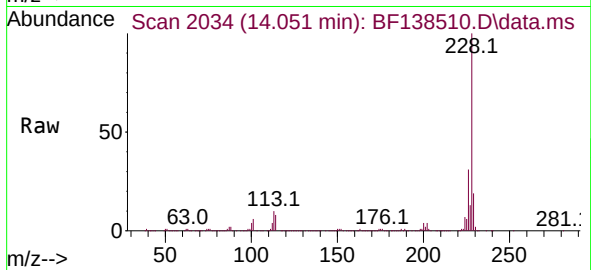
Tgt Ion:228 Resp: 573953

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 19.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 81.326 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

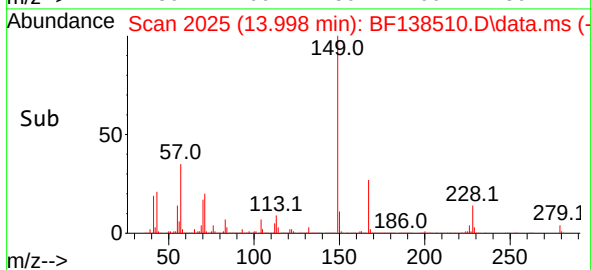
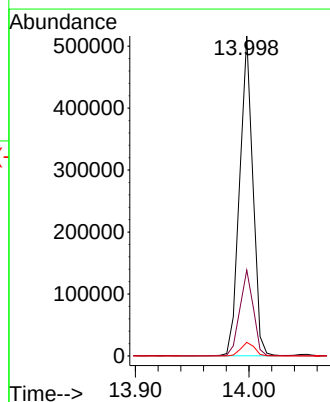
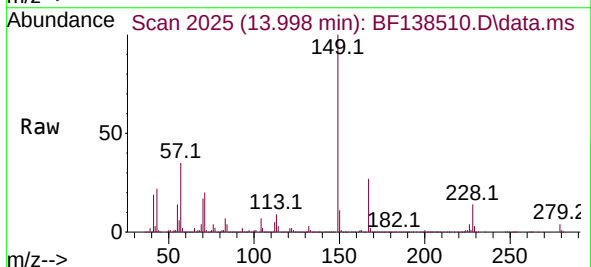
Tgt Ion:149 Resp: 415825

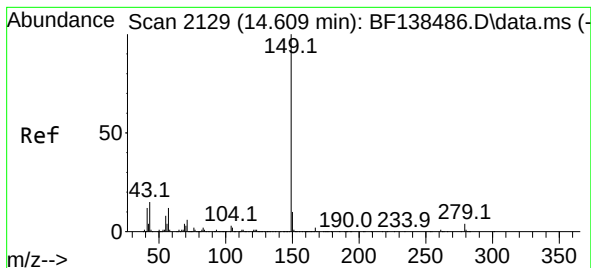
Ion Ratio Lower Upper

149 100

167 26.8 22.5 33.7

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 88.923 ng

RT: 14.610 min Scan# 2129

Delta R.T. 0.001 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

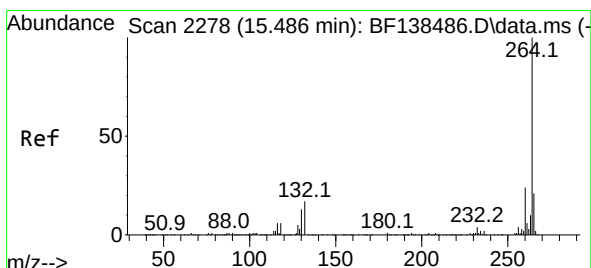
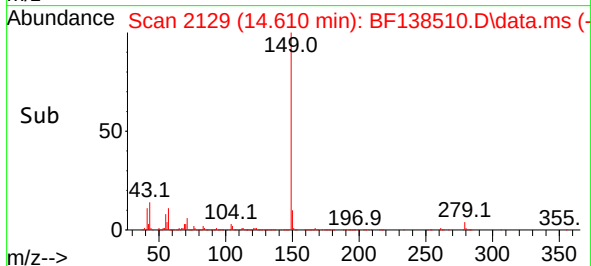
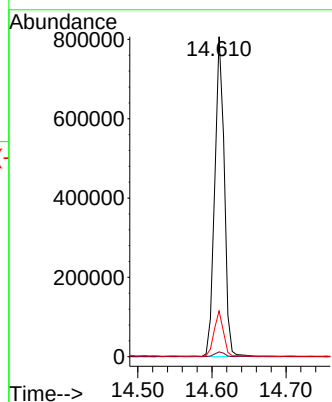
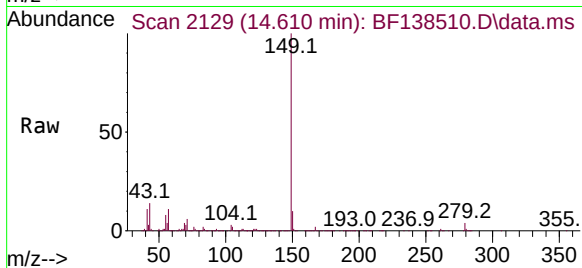
Tgt Ion:149 Resp: 718258

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 13.7 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

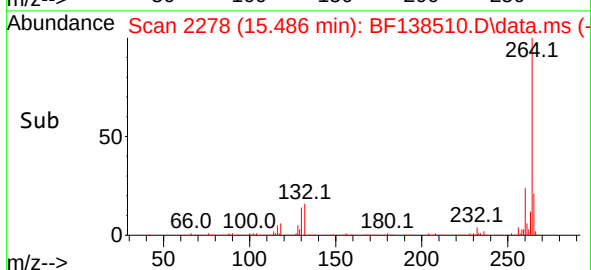
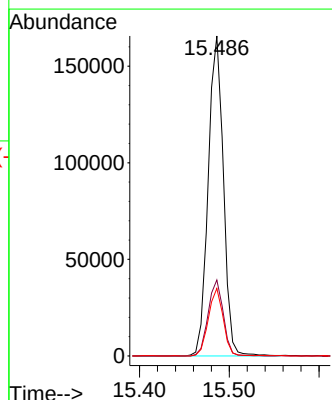
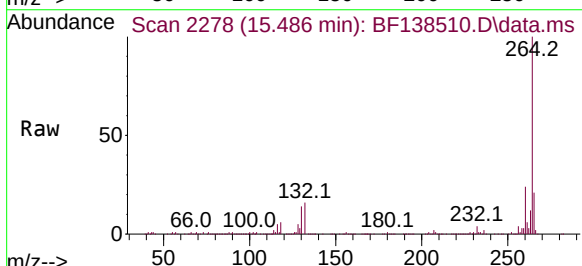
Tgt Ion:264 Resp: 194866

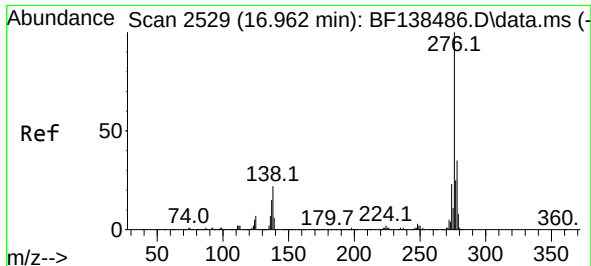
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.1 17.0 25.4

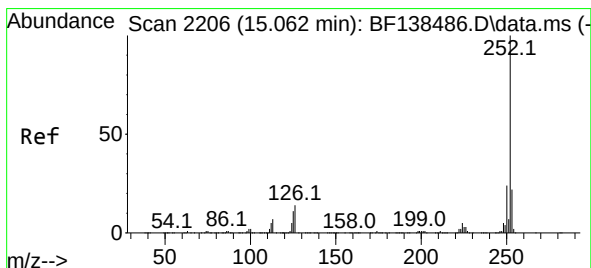
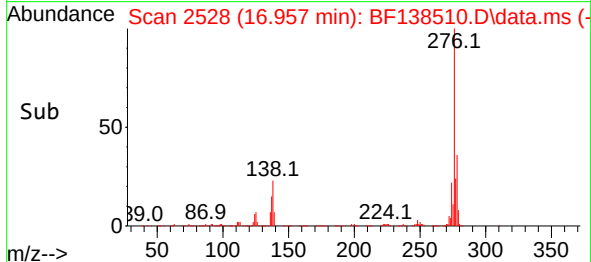
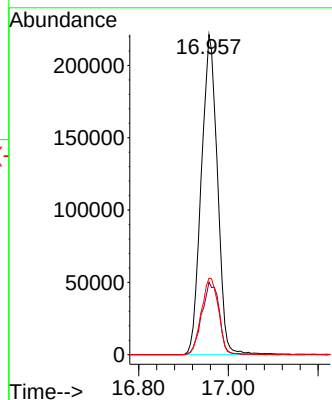
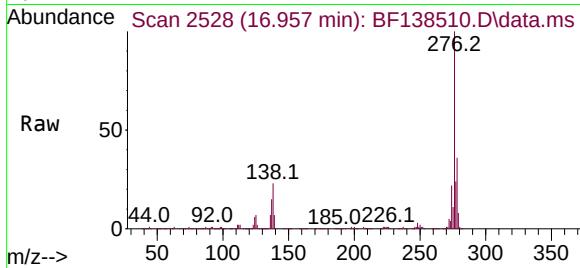




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.107 ng
 RT: 16.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138510.D
 Acq: 10 Jul 2024 19:48

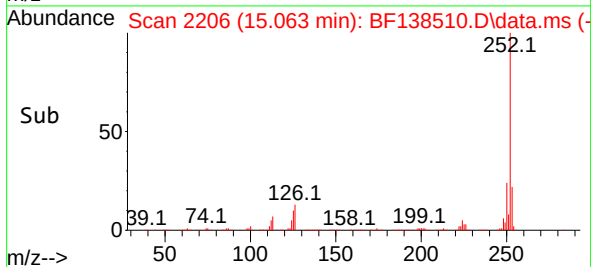
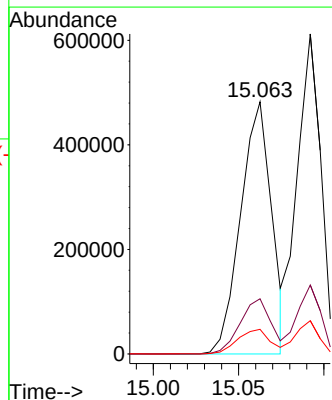
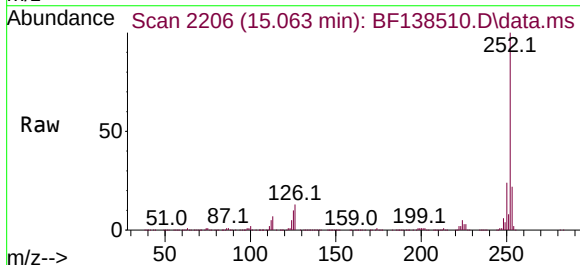
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUMS-2MSD

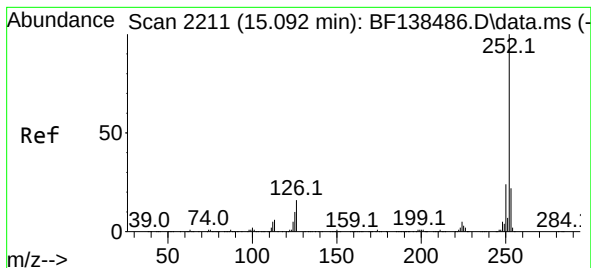
Tgt Ion:276 Resp: 551153
 Ion Ratio Lower Upper
 276 100
 138 24.2 19.6 29.4
 277 25.5 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 55.447 ng
 RT: 15.063 min Scan# 2206
 Delta R.T. 0.000 min
 Lab File: BF138510.D
 Acq: 10 Jul 2024 19:48

Tgt Ion:252 Resp: 608488
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.3 25.9
 125 9.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 55.864 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

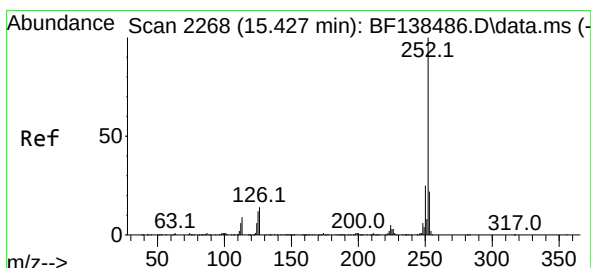
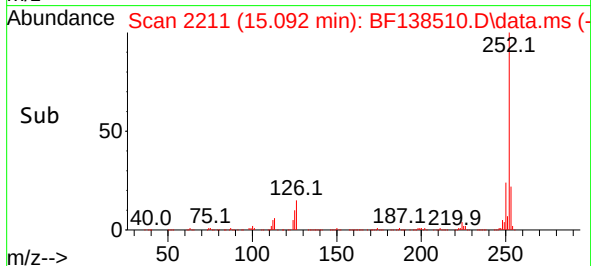
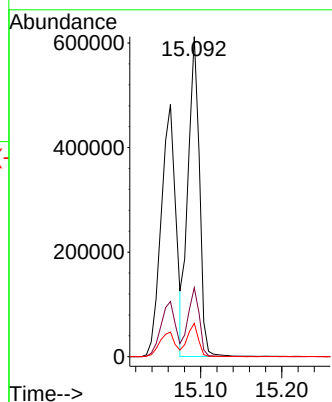
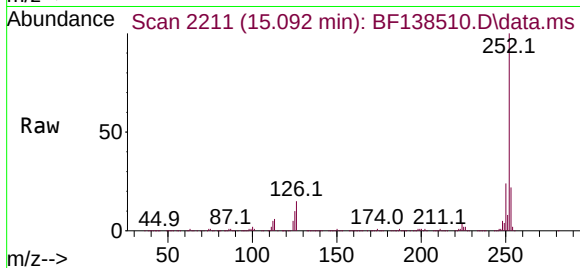
Tgt Ion:252 Resp: 597920

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 10.4 8.1 12.1



#90

Benzo(a)pyrene

Concen: 58.580 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

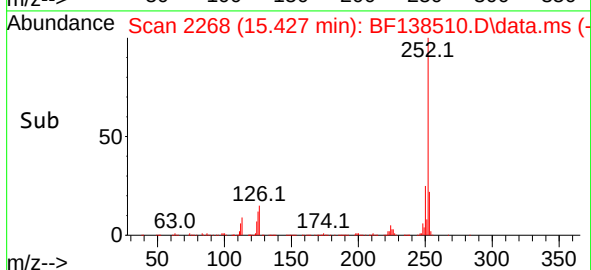
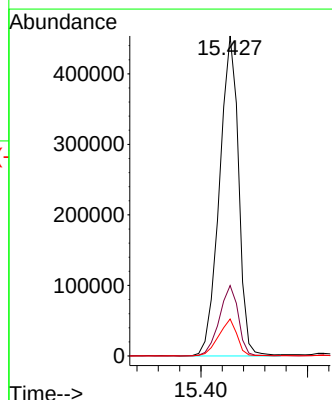
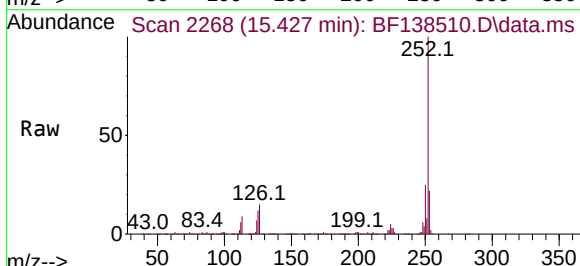
Tgt Ion:252 Resp: 564741

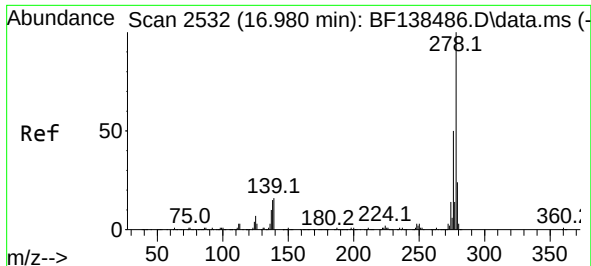
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 11.6 9.4 14.2

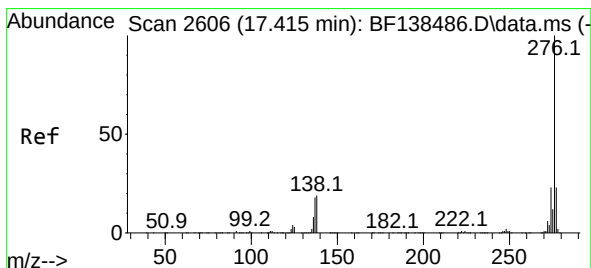
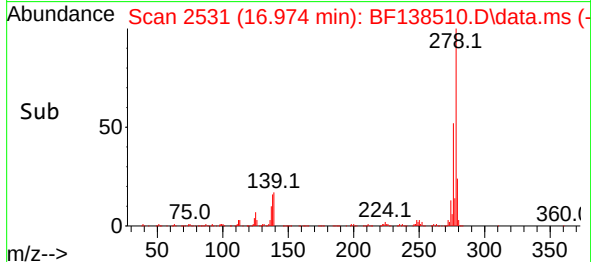
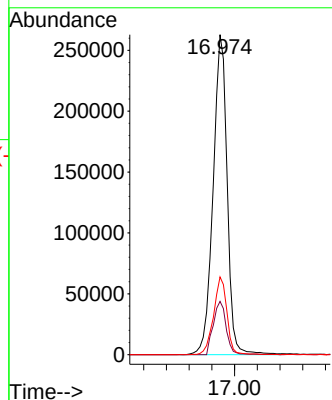
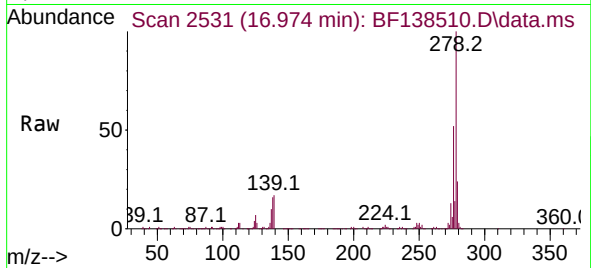




#91
Dibenzo(a,h)anthracene
Concen: 42.035 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

Tgt Ion:278 Resp: 450067
Ion Ratio Lower Upper
278 100
139 16.6 12.8 19.2
279 24.3 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 34.444 ng
RT: 17.404 min Scan# 2604
Delta R.T. -0.012 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:276 Resp: 391070
Ion Ratio Lower Upper
276 100
277 23.2 18.0 27.0
138 21.5 15.5 23.3

