

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139041.D
 Acq On : 16 Aug 2024 00:48
 Operator : RC/JU
 Sample : P3485-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-SOILMS

Quant Time: Aug 16 02:53:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	41565	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	170141	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	89510	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	131551	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	78293	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	77131	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	259523	96.382	ng	0.00
7) Phenol-d6	6.486	99	351485	97.226	ng	0.00
23) Nitrobenzene-d5	7.404	82	232073	66.688	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	62919	85.813	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	395798	66.438	ng	-0.02
79) Terphenyl-d14	12.933	244	301071	64.383	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	48075	40.781	ng	# 91
3) Pyridine	3.422	79	125527	43.957	ng	94
4) n-Nitrosodimethylamine	3.393	42	105717	62.157	ng	85
6) Aniline	6.504	93	96331	29.879	ng	# 1
8) 2-Chlorophenol	6.628	128	155479	54.882	ng	99
9) Benzaldehyde	6.398	77	5928	2.735	ng	97
10) Phenol	6.498	94	201676	52.984	ng	88
11) bis(2-Chloroethyl)ether	6.575	93	147042	50.201	ng	100
12) 1,3-Dichlorobenzene	6.775	146	165369	52.148	ng	97
13) 1,4-Dichlorobenzene	6.851	146	171045	53.447	ng	100
14) 1,2-Dichlorobenzene	7.004	146	161265	53.919	ng	99
15) Benzyl Alcohol	6.986	79	150796	57.874	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	263761	52.325	ng	# 50
17) 2-Methylphenol	7.104	107	123847	52.942	ng	# 83
18) Hexachloroethane	7.339	117	65639	54.488	ng	97
19) n-Nitroso-di-n-propyla...	7.251	70	125784	57.607	ng	96
20) 3+4-Methylphenols	7.257	107	171126	57.015	ng	# 84
22) Acetophenone	7.251	105	212849	51.093	ng	99
24) Nitrobenzene	7.422	77	184469	52.093	ng	98
25) Isophorone	7.663	82	322875	54.336	ng	98
26) 2-Nitrophenol	7.739	139	82556	54.188	ng	91
27) 2,4-Dimethylphenol	7.780	122	100923	55.366	ng	93
28) bis(2-Chloroethoxy)met...	7.869	93	184842	51.081	ng	99
29) 2,4-Dichlorophenol	7.986	162	128871	55.019	ng	99
30) 1,2,4-Trichlorobenzene	8.057	180	141850	52.477	ng	98
31) Naphthalene	8.139	128	464093	51.821	ng	100
32) Benzoic acid	7.933	122	49213	34.346	ng	91
33) 4-Chloroaniline	8.198	127	41549	13.821	ng	96
34) Hexachlorobutadiene	8.251	225	85236	52.061	ng	99
35) Caprolactam	8.575	113	26882	38.463	ng	98
36) 4-Chloro-3-methylphenol	8.692	107	145435	54.329	ng	99
37) 2-Methylnaphthalene	8.827	142	300865	53.194	ng	99
38) 1-Methylnaphthalene	8.927	142	275619	49.729	ng	97
40) 1,2,4,5-Tetrachloroben...	8.992	216	127736	51.372	ng	98
41) Hexachlorocyclopentadiene	8.975	237	58677	88.359	ng	97
43) 2,4,6-Trichlorophenol	9.116	196	79580	52.492	ng	99

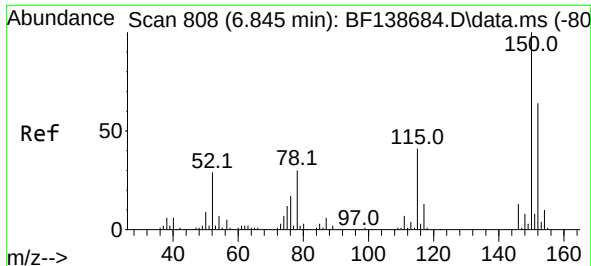
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	81211	49.001	ng	98
46) 1,1'-Biphenyl	9.292	154	353861	50.477	ng	99
47) 2-Chloronaphthalene	9.322	162	274758	52.698	ng	99
48) 2-Nitroaniline	9.427	65	99125	56.081	ng	98
49) Acenaphthylene	9.733	152	426650	57.697	ng	99
50) Dimethylphthalate	9.592	163	333438	58.259	ng	100
51) 2,6-Dinitrotoluene	9.663	165	69111	53.505	ng	# 81
52) Acenaphthene	9.904	154	258945	52.093	ng	99
53) 3-Nitroaniline	9.839	138	40161	30.077	ng	94
54) 2,4-Dinitrophenol	9.957	184	47552	79.974	ng	84
55) Dibenzofuran	10.074	168	377884	53.854	ng	96
56) 4-Nitrophenol	10.022	139	56259	70.063	ng	86
57) 2,4-Dinitrotoluene	10.074	165	89652	54.402	ng	# 78
58) Fluorene	10.422	166	301792	54.009	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	63958	50.477	ng	97
60) Diethylphthalate	10.292	149	314066	57.874	ng	100
61) 4-Chlorophenyl-phenyle...	10.410	204	146934	53.466	ng	96
62) 4-Nitroaniline	10.457	138	53357	42.048	ng	88
63) Azobenzene	10.569	77	324609	53.932	ng	96
65) 4,6-Dinitro-2-methylph...	10.486	198	41451	51.648	ng	95
66) n-Nitrosodiphenylamine	10.533	169	250888	61.014	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	80543	56.550	ng	97
68) Hexachlorobenzene	10.969	284	79400	53.992	ng	98
69) Atrazine	11.057	200	68665	64.723	ng	99
70) Pentachlorophenol	11.174	266	39709	59.906	ng	94
71) Phenanthrene	11.380	178	376155	55.531	ng	99
72) Anthracene	11.433	178	372792	55.864	ng	99
73) Carbazole	11.592	167	296116	51.434	ng	99
74) Di-n-butylphthalate	11.910	149	401735	62.072	ng	99
75) Fluoranthene	12.568	202	330580	52.276	ng	98
77) Benzidine	12.698	184	53208	28.413	ng	98
78) Pyrene	12.798	202	334914	45.433	ng	99
80) Butylbenzylphthalate	13.410	149	144393	61.169	ng	96
81) Benzo(a)anthracene	13.986	228	305749	56.710	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	51736	37.498	ng	99
83) Chrysene	14.027	228	263088	54.088	ng	99
84) Bis(2-ethylhexyl)phtha...	13.962	149	192728	55.756	ng	98
85) Di-n-octyl phthalate	14.574	149	338846	52.983	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	198721	35.951	ng	96
88) Benzo(b)fluoranthene	15.039	252	278155	58.175	ng	98
89) Benzo(k)fluoranthene	15.068	252	258982	62.559	ng	97
90) Benzo(a)pyrene	15.404	252	236129	58.712	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	162844	35.890	ng	96
92) Benzo(g,h,i)perylene	17.380	276	147565	31.341	ng	96

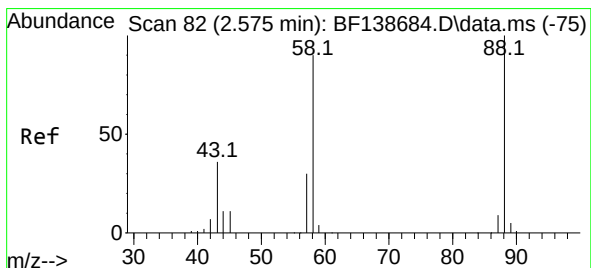
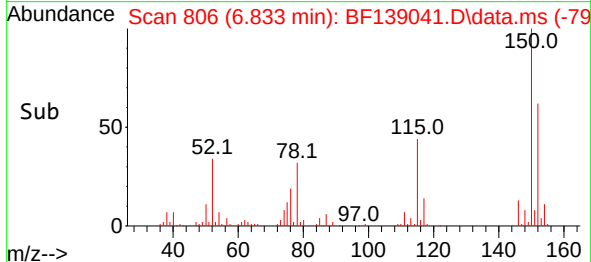
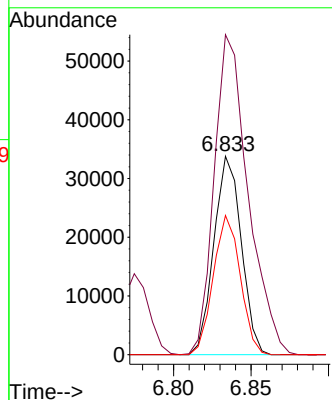
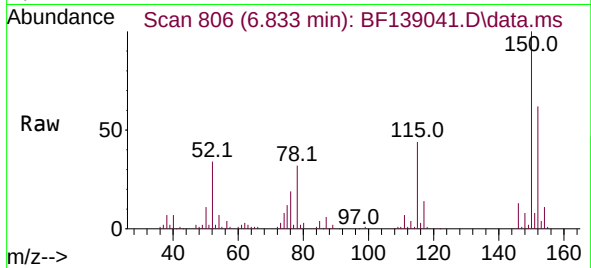
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.833 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: BF139041.D
 Acq: 16 Aug 2024 00:48

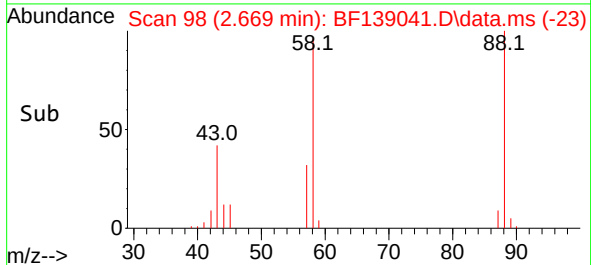
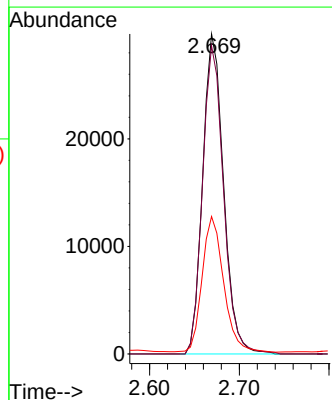
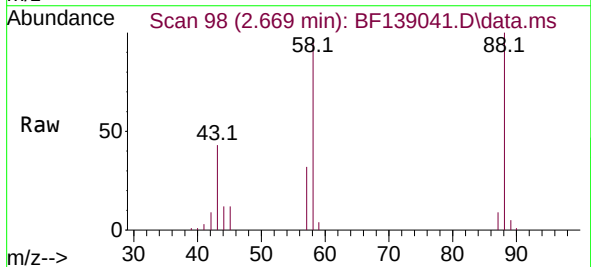
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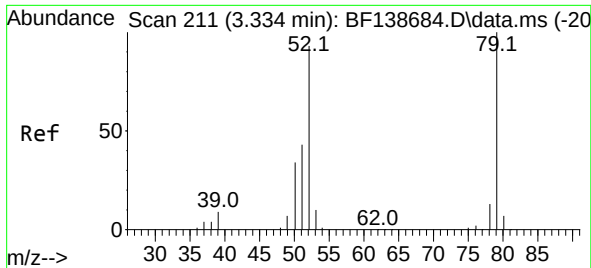
Tgt Ion:152 Resp: 41565
 Ion Ratio Lower Upper
 152 100
 150 161.2 126.0 189.0
 115 70.2 51.7 77.5



#2
 1,4-Dioxane
 Concen: 40.781 ng
 RT: 2.669 min Scan# 98
 Delta R.T. 0.094 min
 Lab File: BF139041.D
 Acq: 16 Aug 2024 00:48

Tgt Ion: 88 Resp: 48075
 Ion Ratio Lower Upper
 88 100
 58 97.0 71.6 107.4
 43 43.6 28.7 43.1#

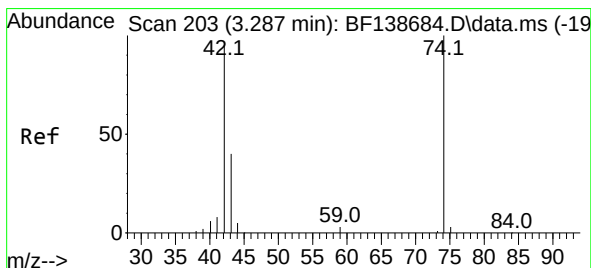
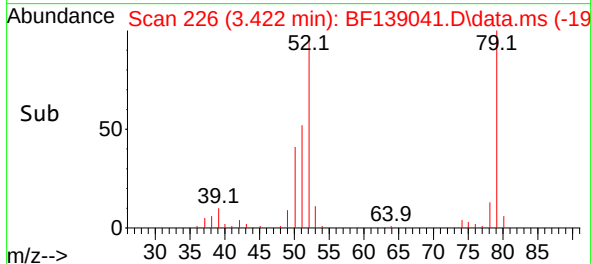
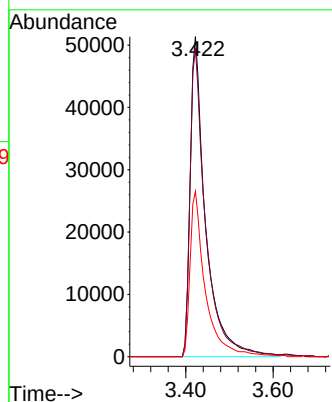
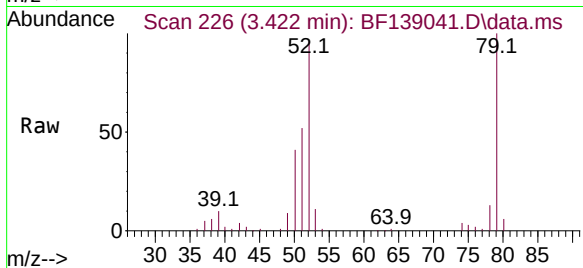




#3
Pyridine
Concen: 43.957 ng
RT: 3.422 min Scan# 211
Delta R.T. 0.088 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

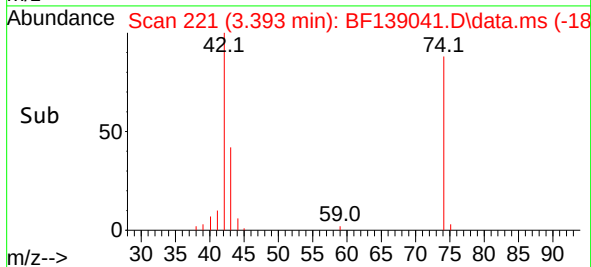
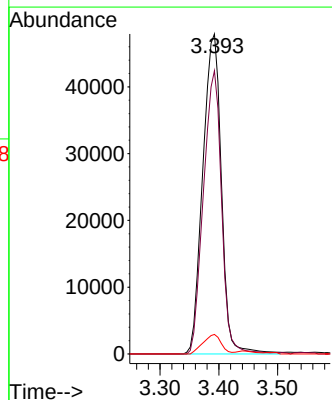
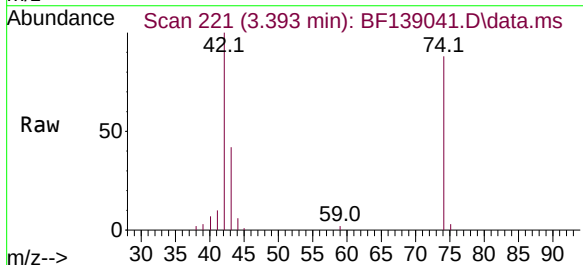
Instrument :
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ClientSampleId :
C-SOILMS

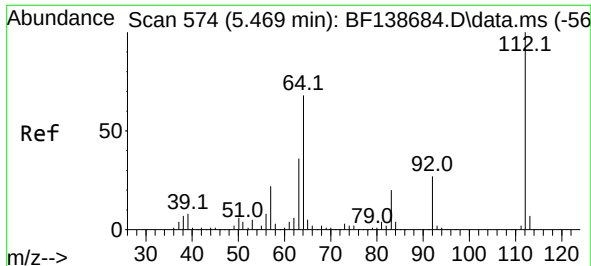
Tgt Ion: 79 Resp: 125527
Ion Ratio Lower Upper
79 100
52 96.4 74.7 112.1
51 51.7 34.6 51.8



#4
n-Nitrosodimethylamine
Concen: 62.157 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.106 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion: 42 Resp: 105717
Ion Ratio Lower Upper
42 100
74 88.5 84.2 126.4
44 6.1 4.9 7.3

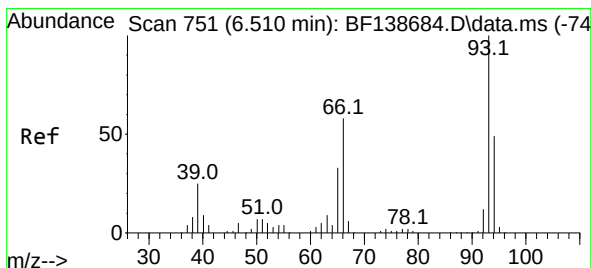
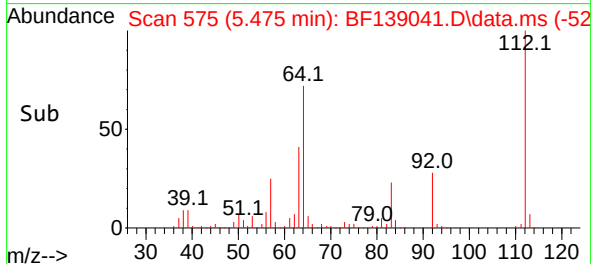
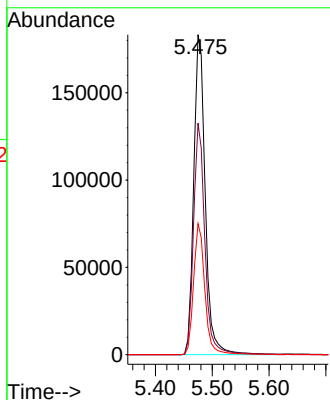
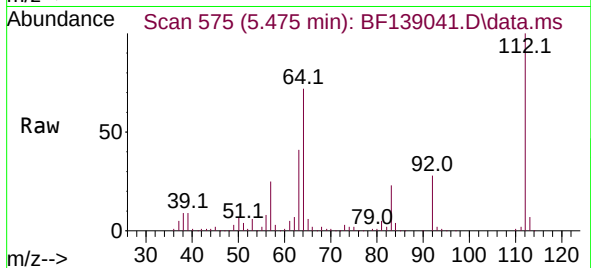




#5
2-Fluorophenol
Concen: 96.382 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

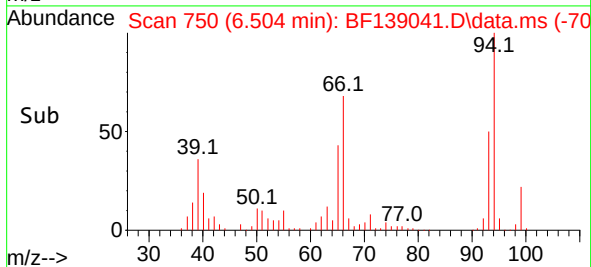
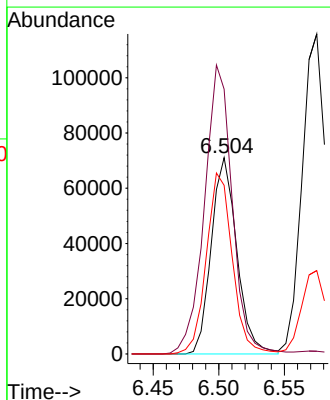
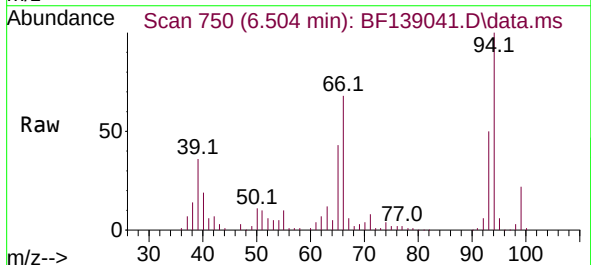
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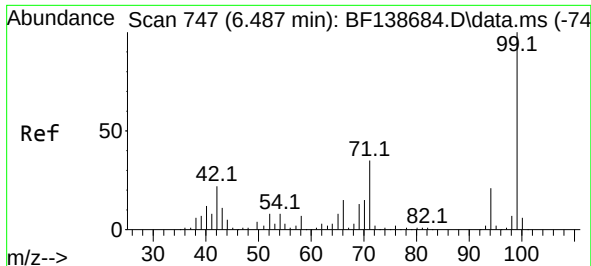
Tgt Ion:112 Resp: 259523
Ion Ratio Lower Upper
112 100
64 72.3 54.2 81.4
63 40.9 28.7 43.1



#6
Aniline
Concen: 29.879 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion: 93 Resp: 96331
Ion Ratio Lower Upper
93 100
66 134.8 46.9 70.3#
65 85.9 26.5 39.7#

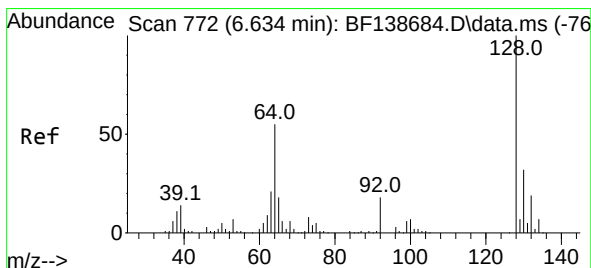
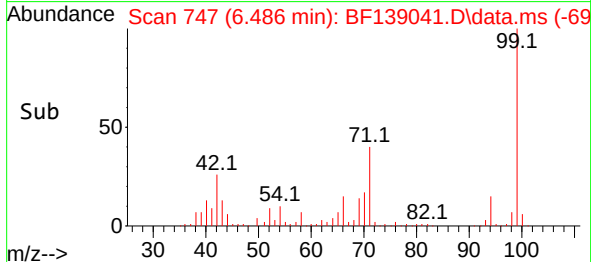
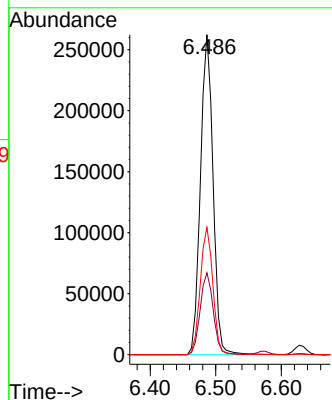
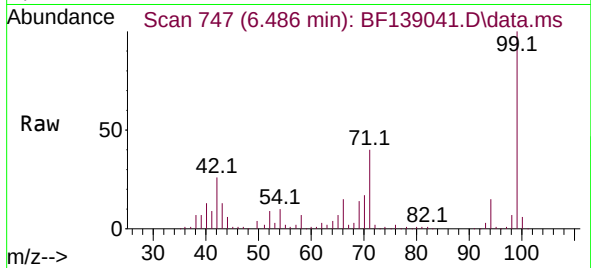




#7
Phenol-d6
Concen: 97.226 ng
RT: 6.486 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

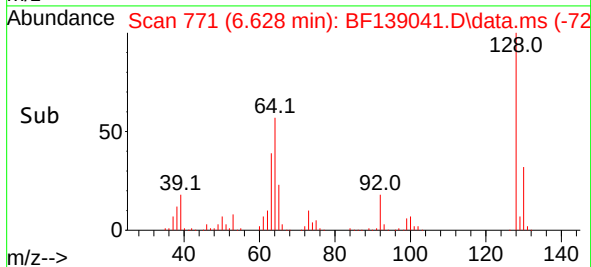
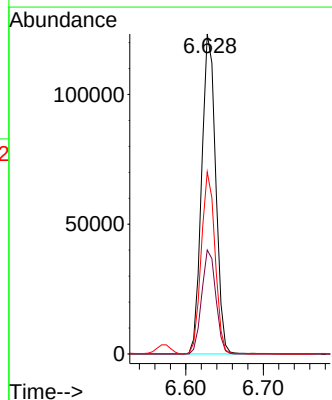
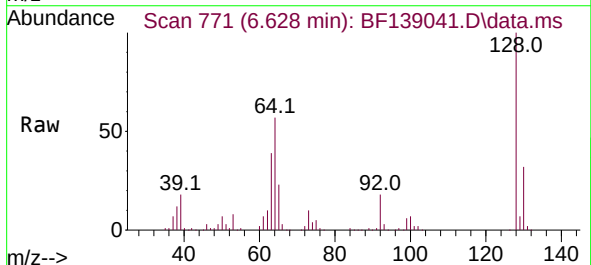
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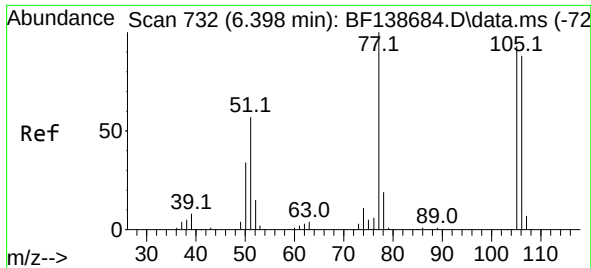
Tgt Ion: 99 Resp: 351485
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 39.8 28.1 42.1



#8
2-Chlorophenol
Concen: 54.882 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:128 Resp: 155479
Ion Ratio Lower Upper
128 100
130 32.5 12.0 52.0
64 56.9 36.3 76.3





#9

Benzaldehyde

Concen: 2.735 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

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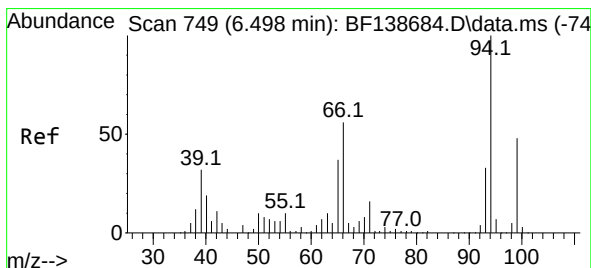
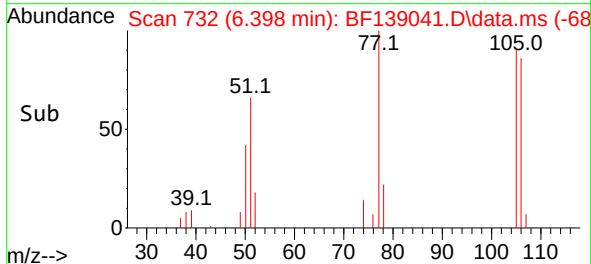
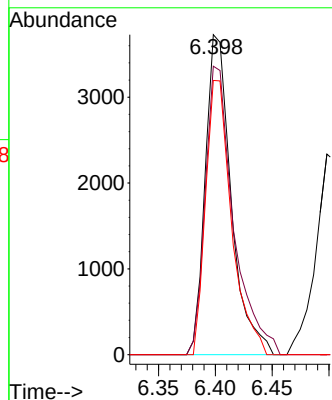
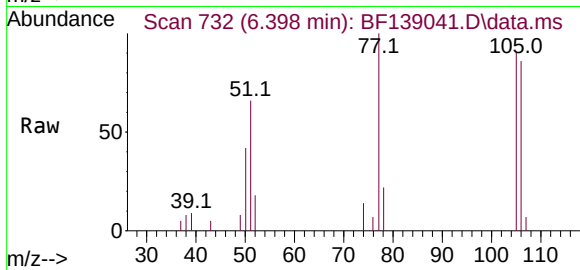
Tgt Ion: 77 Resp: 5928

Ion Ratio Lower Upper

77 100

105 90.2 72.9 112.9

106 85.7 68.4 108.4



#10

Phenol

Concen: 52.984 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

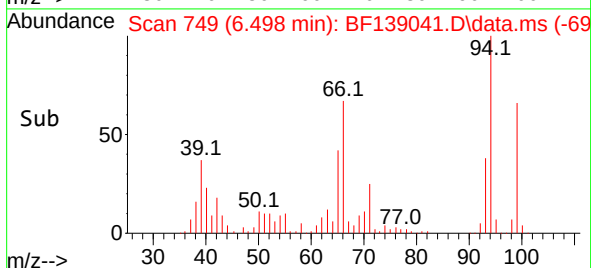
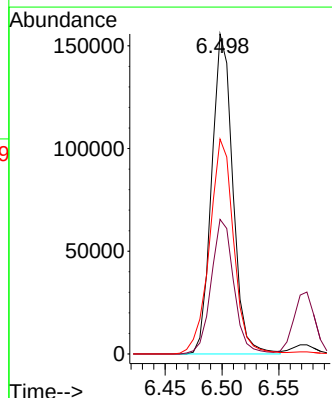
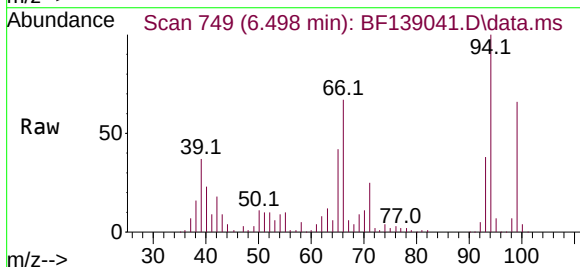
Tgt Ion: 94 Resp: 201676

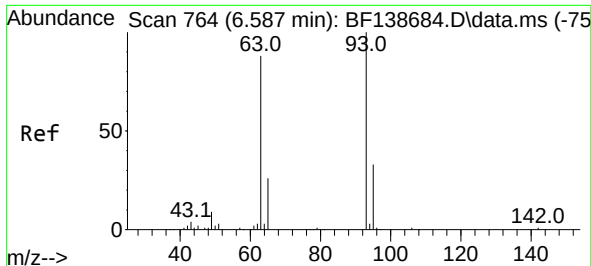
Ion Ratio Lower Upper

94 100

65 42.1 16.9 56.9

66 67.2 36.5 76.5

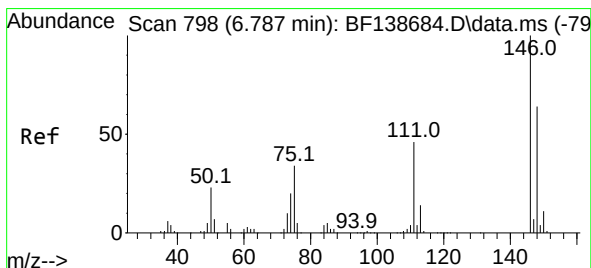
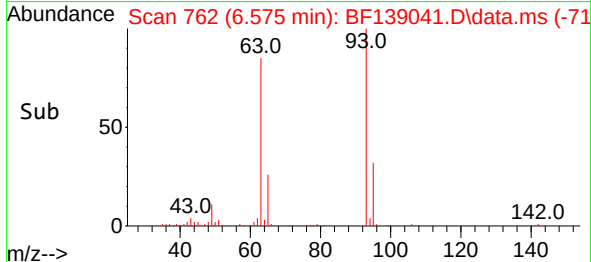
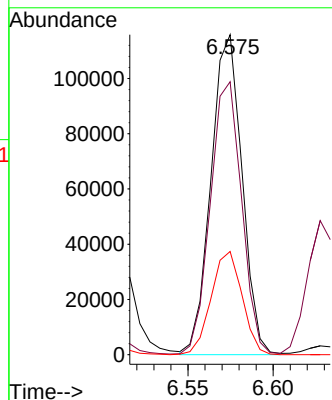
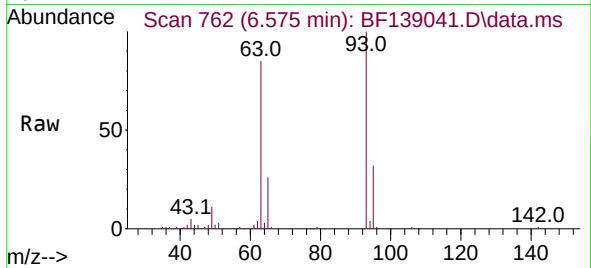




#11
bis(2-Chloroethyl)ether
Concen: 50.201 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

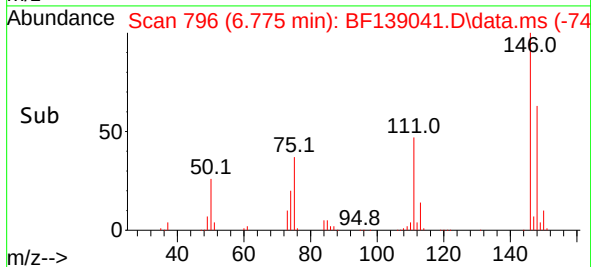
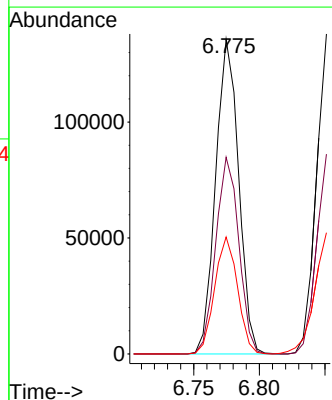
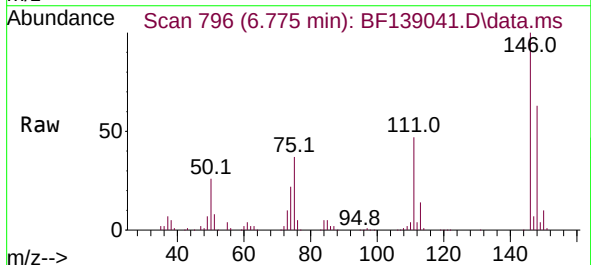
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

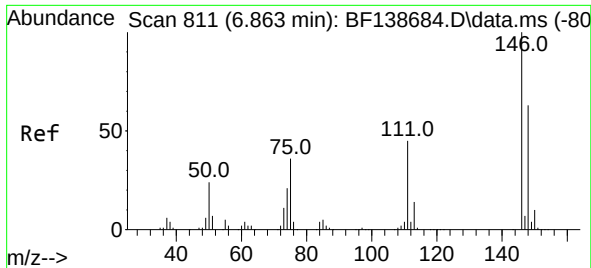
Tgt Ion: 93 Resp: 147042
Ion Ratio Lower Upper
93 100
63 85.3 65.3 105.3
95 32.2 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 52.148 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:146 Resp: 165369
Ion Ratio Lower Upper
146 100
148 62.5 51.2 76.8
75 37.2 27.4 41.2

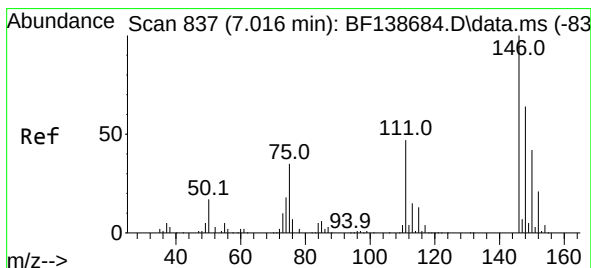
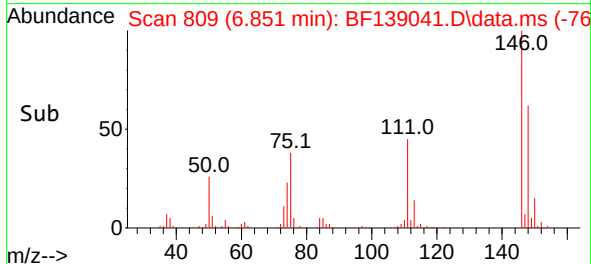
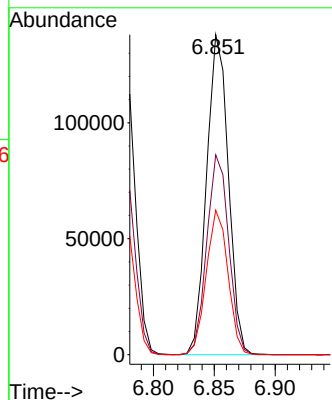
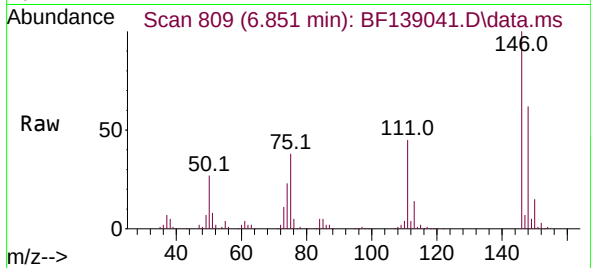




#13
1,4-Dichlorobenzene
Concen: 53.447 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

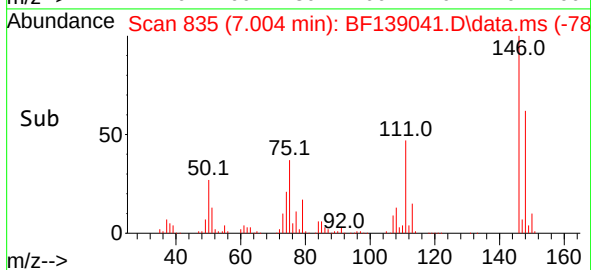
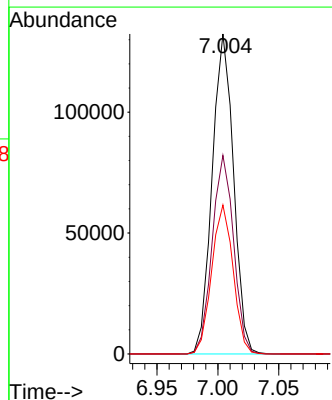
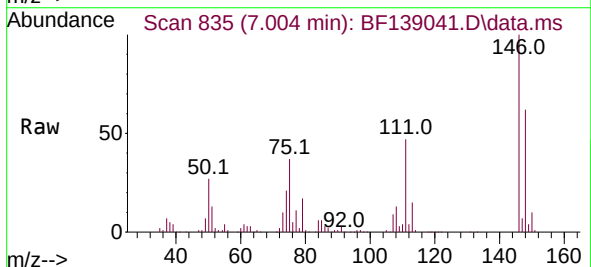
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

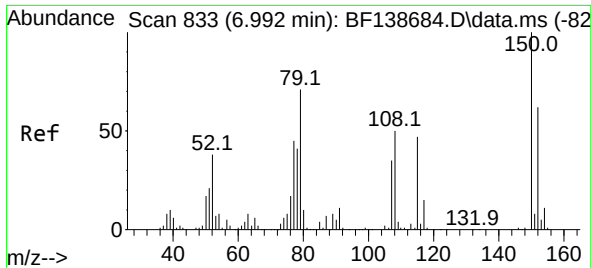
Tgt Ion:146 Resp: 171045
Ion Ratio Lower Upper
146 100
148 62.5 50.2 75.2
111 45.1 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 53.919 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:146 Resp: 161265
Ion Ratio Lower Upper
146 100
148 62.1 50.8 76.2
111 46.6 37.4 56.2

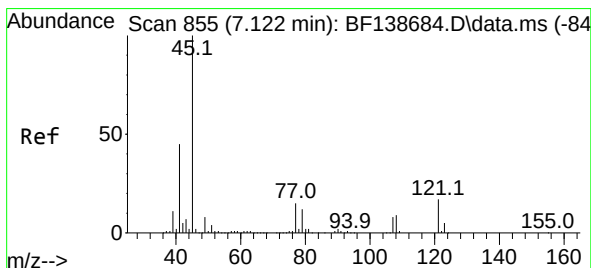
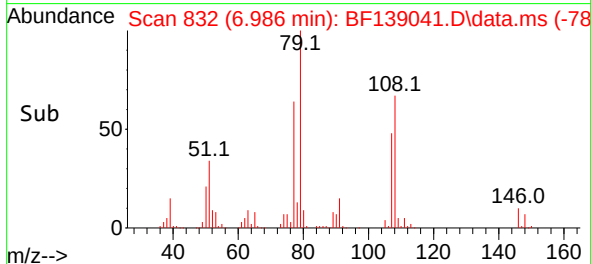
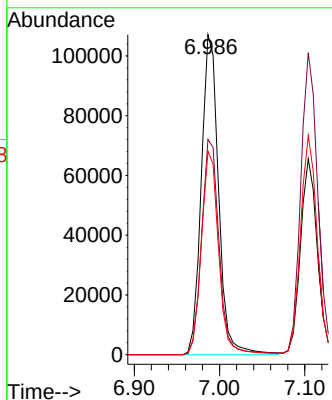
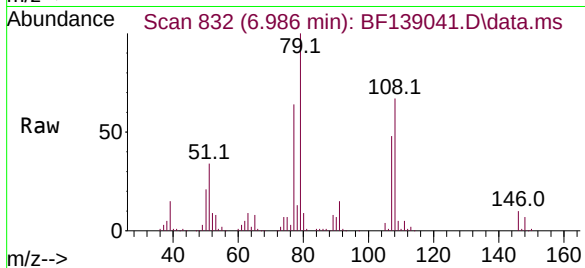




#15
Benzyl Alcohol
Concen: 57.874 ng
RT: 6.986 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

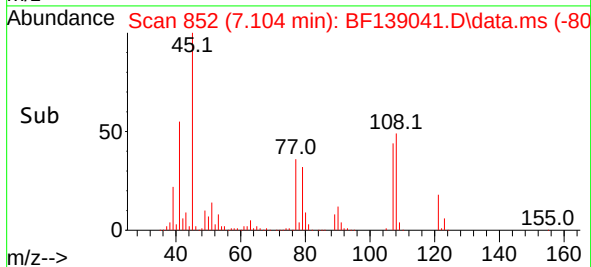
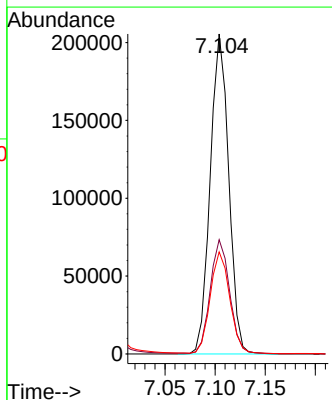
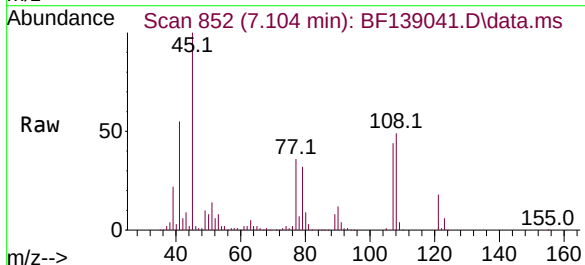
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

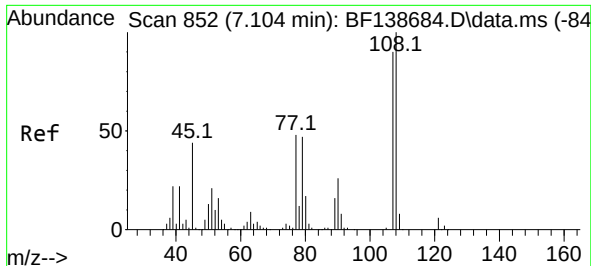
Tgt Ion: 79 Resp: 150796
Ion Ratio Lower Upper
79 100
108 67.3 56.6 85.0
77 63.5 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.325 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion: 45 Resp: 263761
Ion Ratio Lower Upper
45 100
77 35.7 0.0 34.9#
79 31.9 0.0 32.2

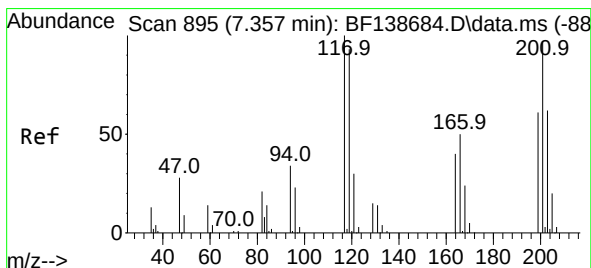
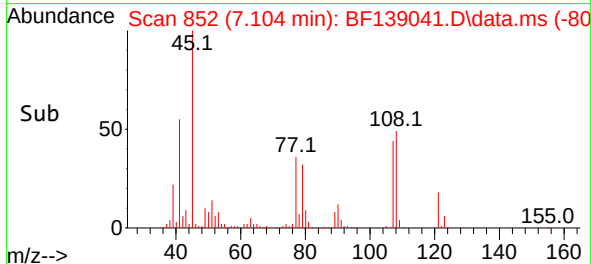
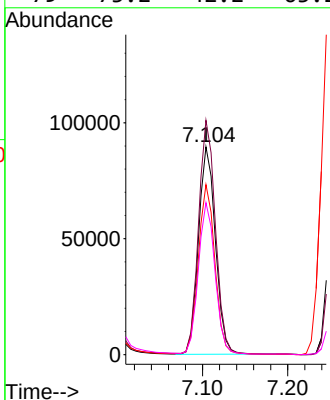
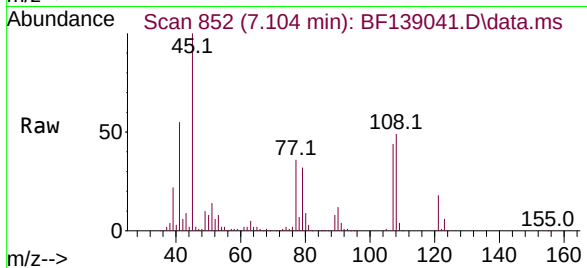




#17
2-Methylphenol
Concen: 52.942 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

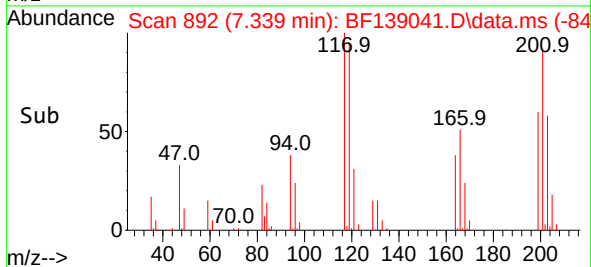
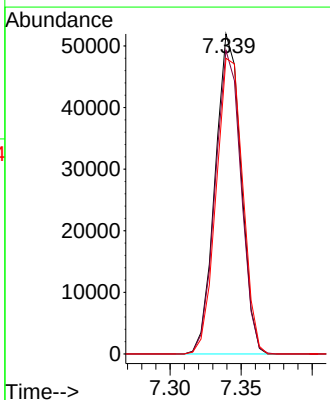
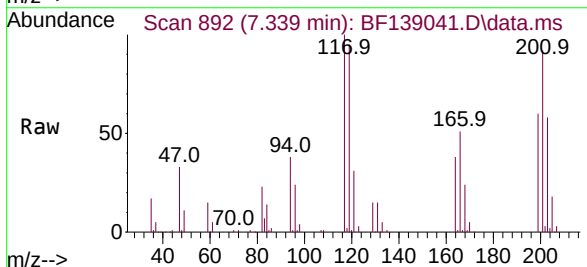
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

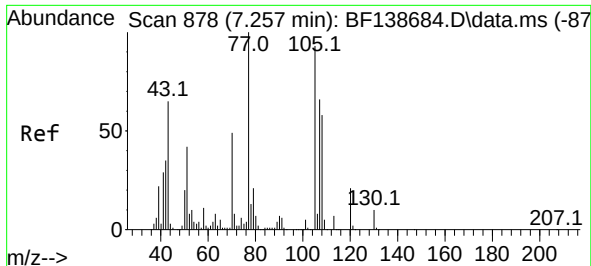
Tgt Ion:107 Resp: 123847
Ion Ratio Lower Upper
107 100
108 112.8 89.2 133.8
77 81.8 43.0 64.4#
79 73.2 42.2 63.2#



#18
Hexachloroethane
Concen: 54.488 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:117 Resp: 65639
Ion Ratio Lower Upper
117 100
119 94.9 74.6 111.8
201 92.4 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 57.607 ng

RT: 7.251 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

Tgt Ion: 70 Resp: 125784

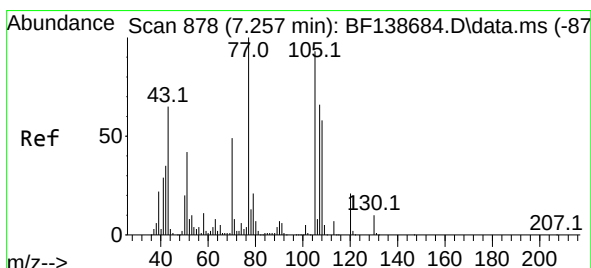
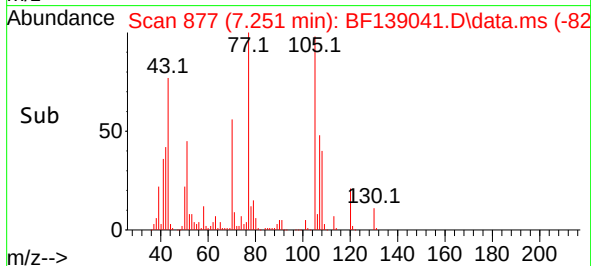
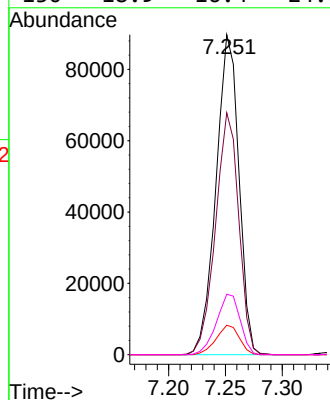
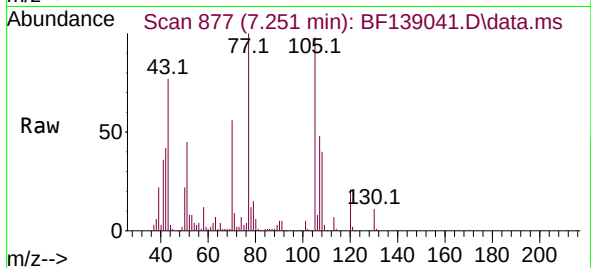
Ion Ratio Lower Upper

70 100

42 75.6 57.4 86.0

101 9.2 7.5 11.3

130 18.9 16.4 24.6



#20

3+4-Methylphenols

Concen: 57.015 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Tgt Ion:107 Resp: 171126

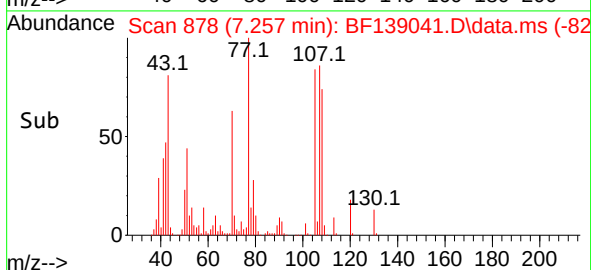
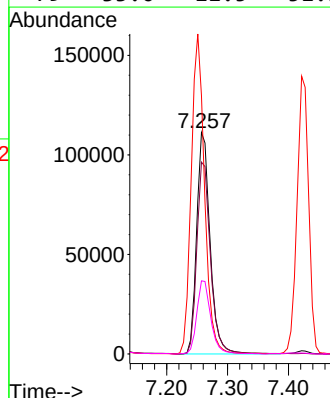
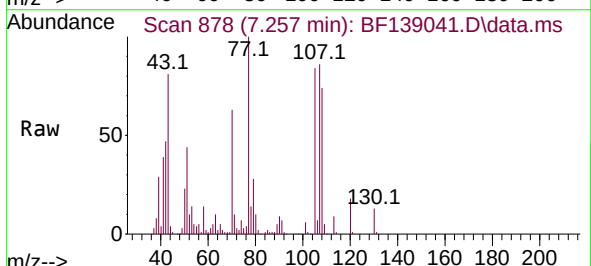
Ion Ratio Lower Upper

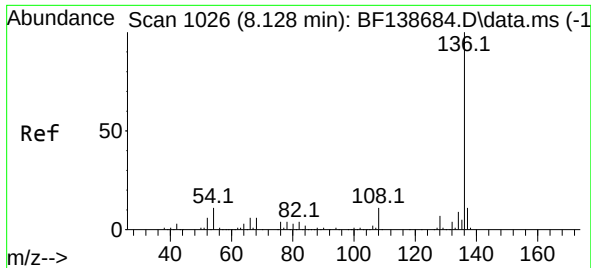
107 100

108 86.6 68.2 108.2

77 116.5 132.1 172.1#

79 33.0 11.5 51.5

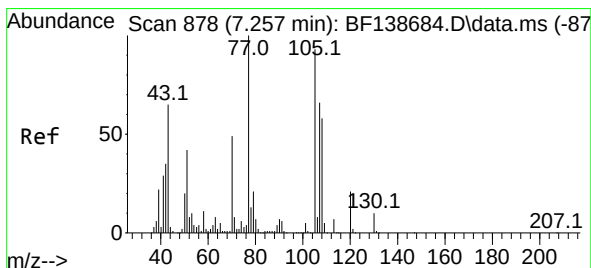
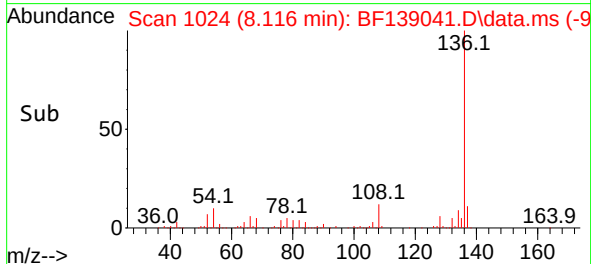
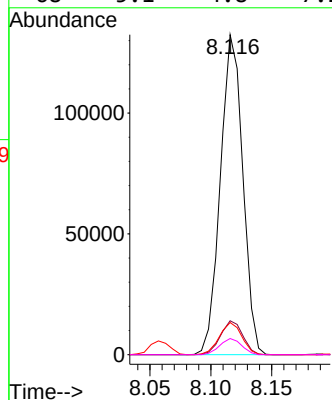
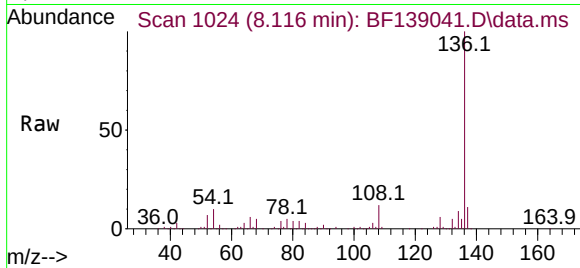




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

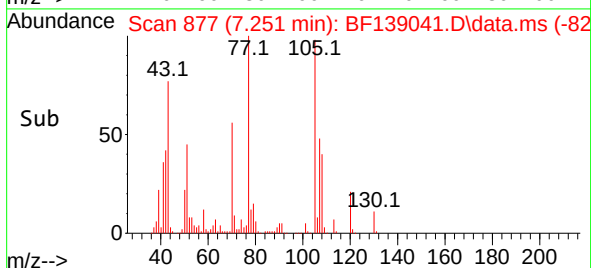
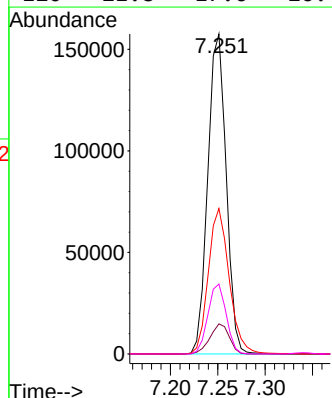
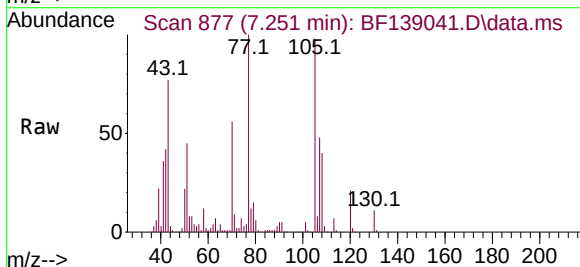
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

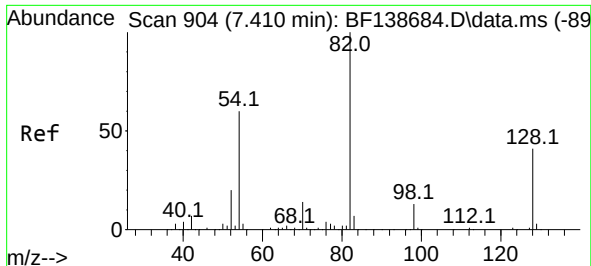
Tgt Ion:	136	Resp:	170141
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.1	8.6	12.8
68	5.1	4.8	7.2



#22
Acetophenone
Concen: 51.093 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:	105	Resp:	212849
Ion	Ratio	Lower	Upper
105	100		
71	9.4	7.2	10.8
51	45.5	35.9	53.9
120	21.8	17.6	26.4

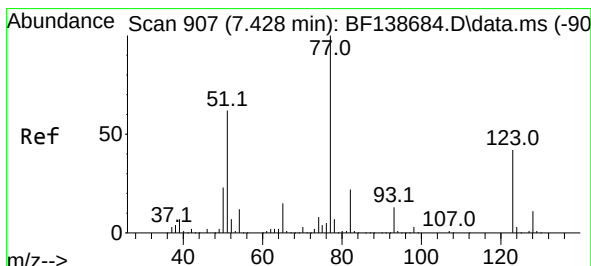
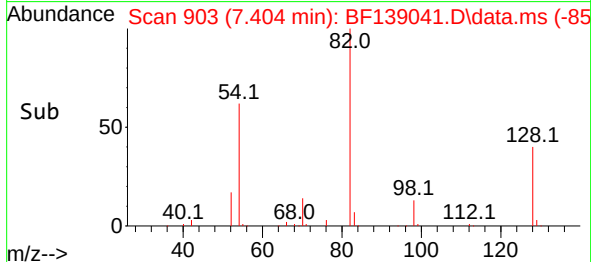
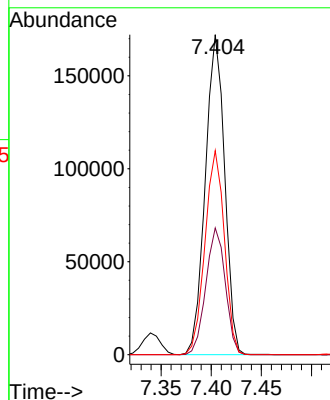
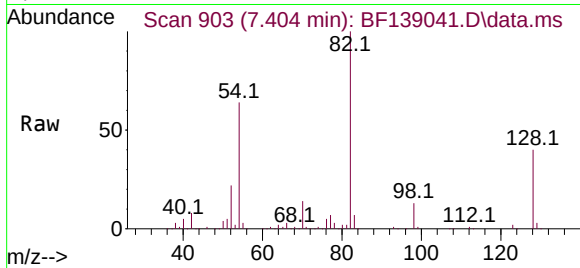




#23
Nitrobenzene-d5
Concen: 66.688 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

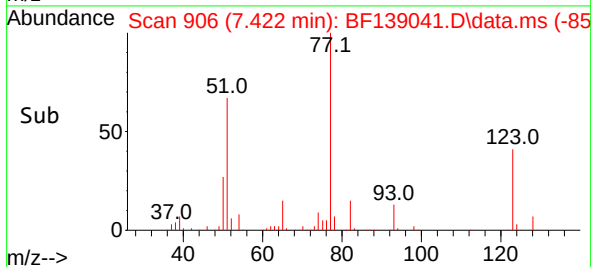
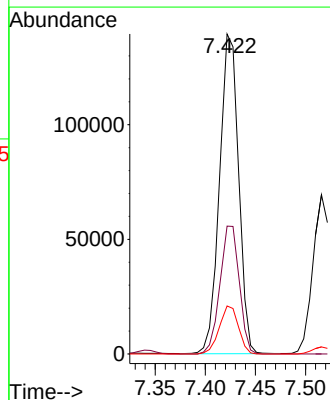
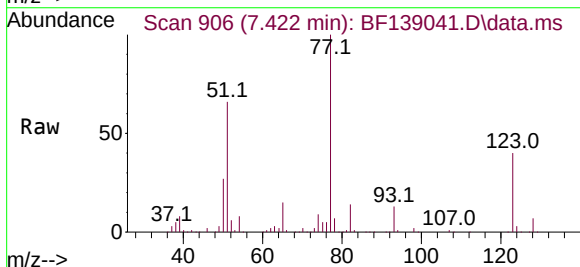
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

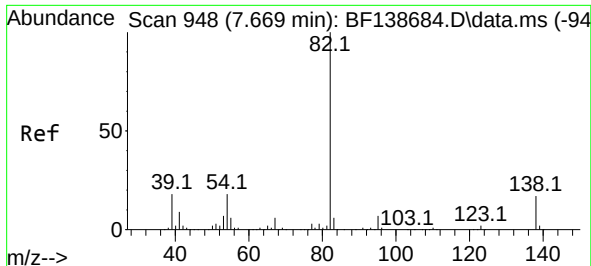
Tgt Ion: 82 Resp: 232073
Ion Ratio Lower Upper
82 100
128 39.6 32.8 49.2
54 63.8 48.3 72.5



#24
Nitrobenzene
Concen: 52.093 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion: 77 Resp: 184469
Ion Ratio Lower Upper
77 100
123 39.9 33.3 49.9
65 15.0 11.9 17.9

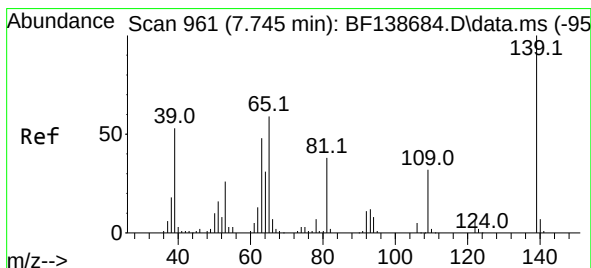
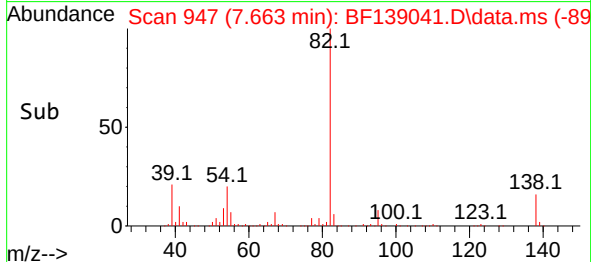
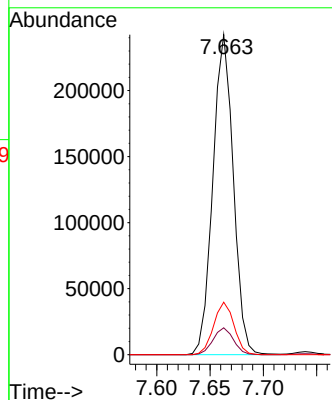
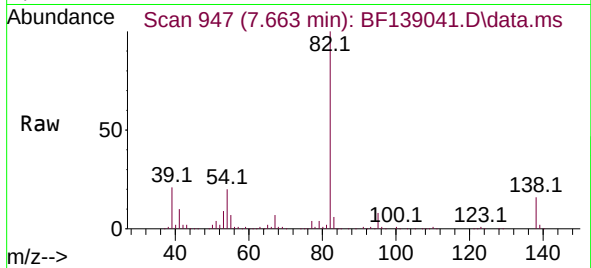




#25
Isophorone
Concen: 54.336 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

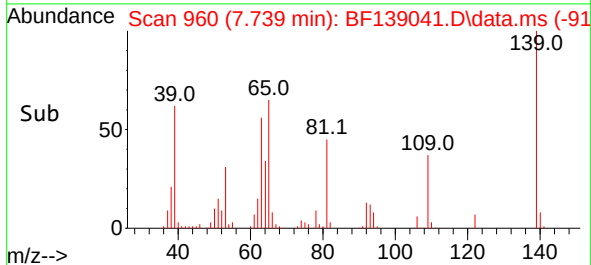
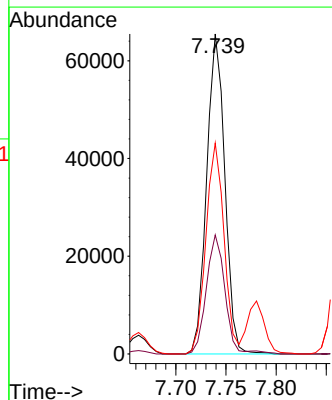
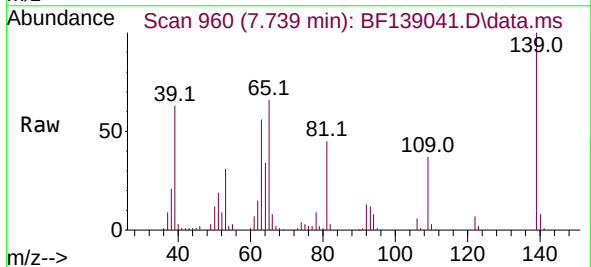
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

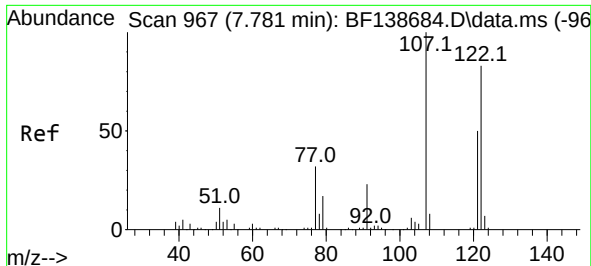
Tgt Ion: 82 Resp: 322875
Ion Ratio Lower Upper
82 100
95 8.4 5.7 8.5
138 16.4 13.7 20.5



#26
2-Nitrophenol
Concen: 54.188 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion: 139 Resp: 82556
Ion Ratio Lower Upper
139 100
109 37.2 25.9 38.9
65 65.9 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 55.366 ng

RT: 7.780 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

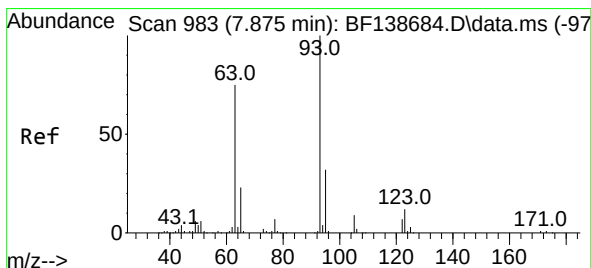
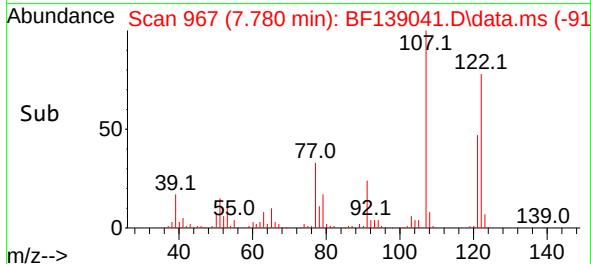
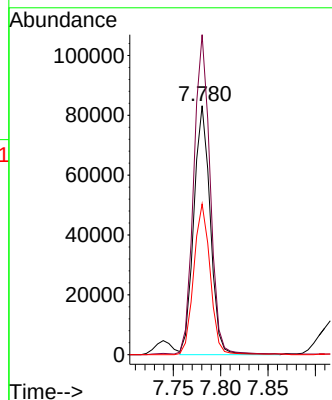
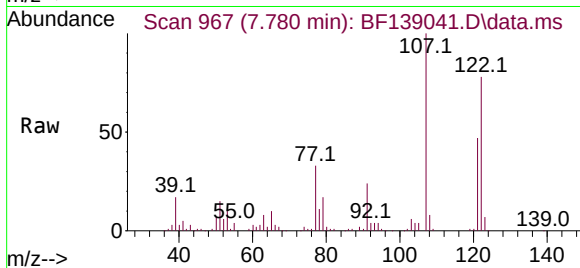
Tgt Ion:122 Resp: 100923

Ion Ratio Lower Upper

122 100

107 128.5 95.0 142.6

121 60.5 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 51.081 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

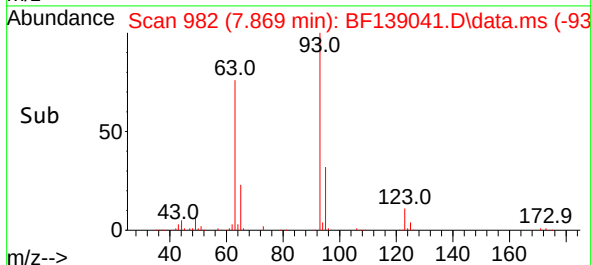
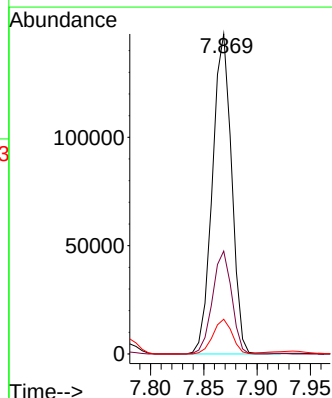
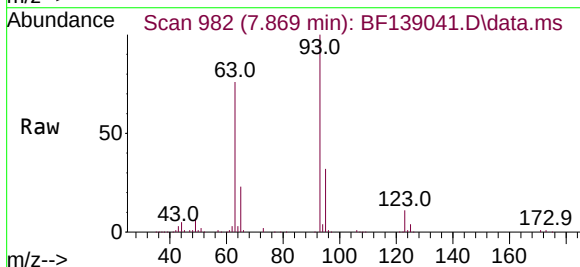
Tgt Ion: 93 Resp: 184842

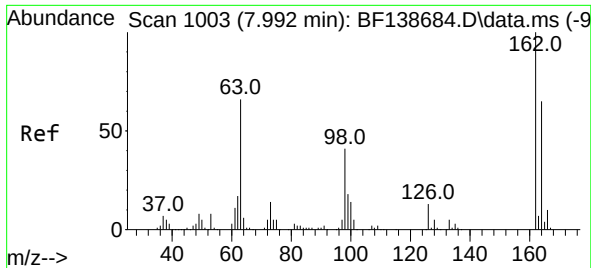
Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

123 10.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 55.019 ng

RT: 7.986 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

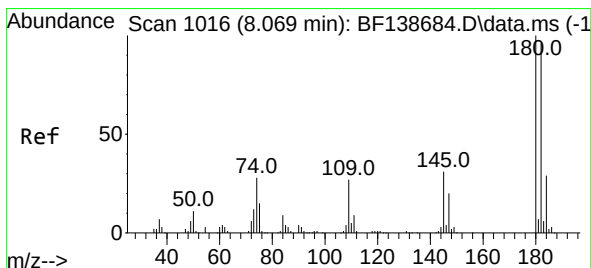
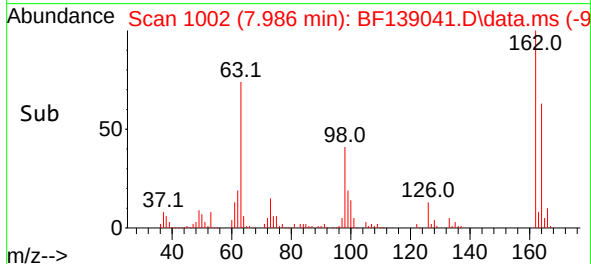
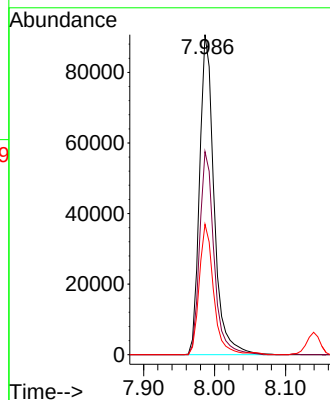
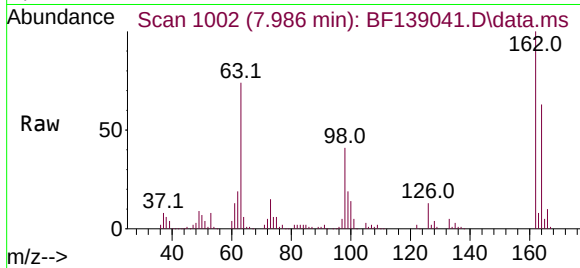
Tgt Ion:162 Resp: 128871

Ion Ratio Lower Upper

162 100

164 63.4 44.7 84.7

98 40.8 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 52.477 ng

RT: 8.057 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

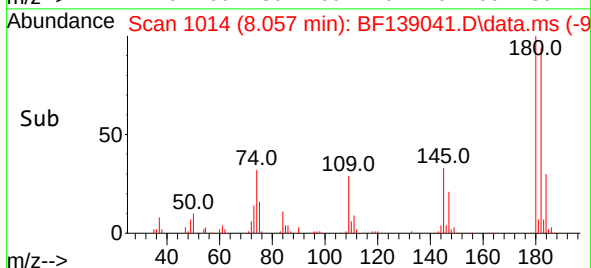
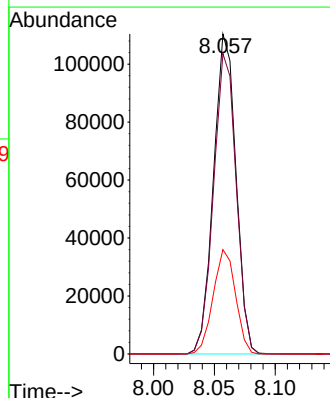
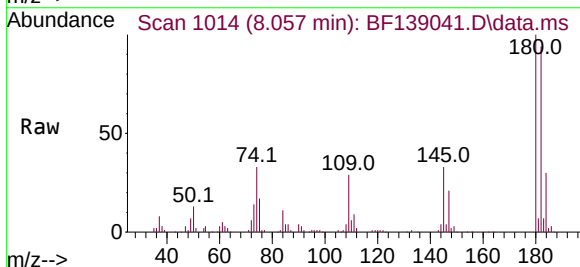
Tgt Ion:180 Resp: 141850

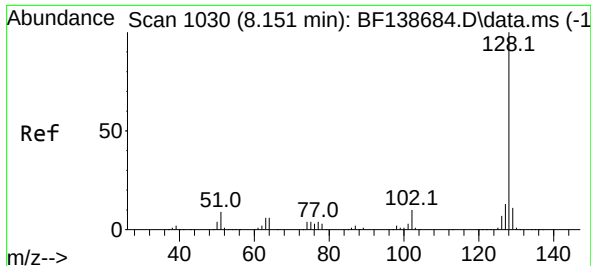
Ion Ratio Lower Upper

180 100

182 93.9 76.9 115.3

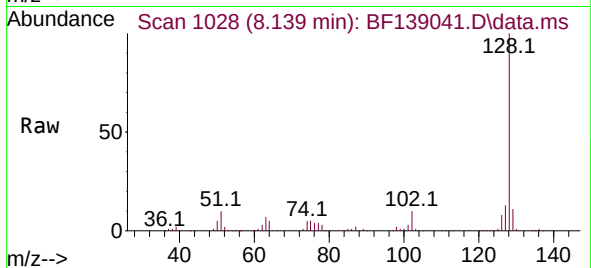
145 32.6 25.0 37.4



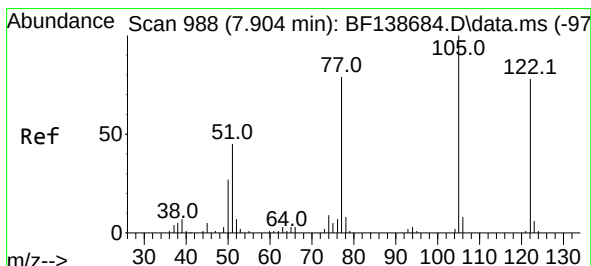
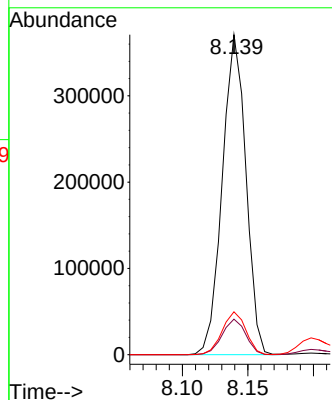
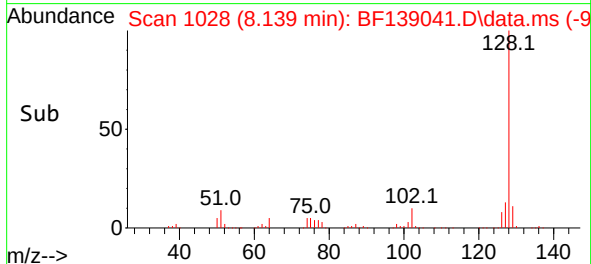


#31
Naphthalene
Concen: 51.821 ng
RT: 8.139 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

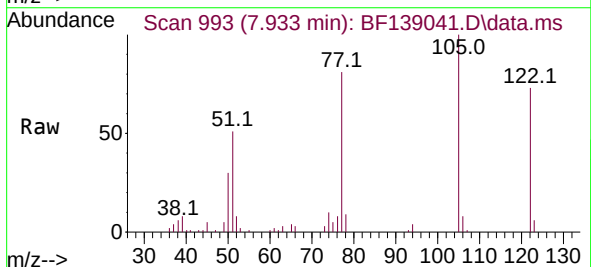
Instrument :
BNA_F
ClientSampleId :
C-SOILMS



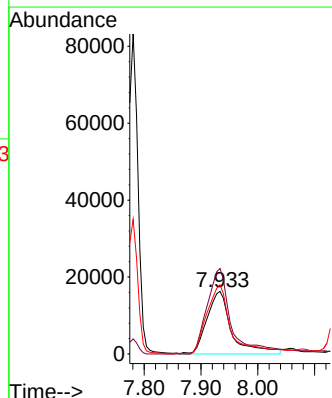
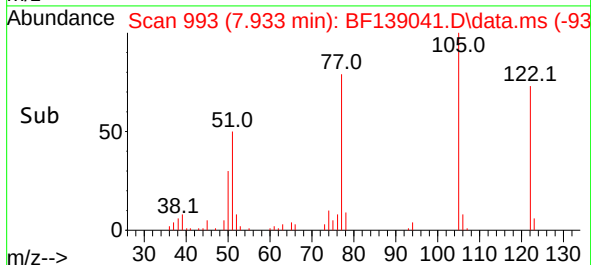
Tgt Ion:128 Resp: 464093
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.4 10.6 16.0

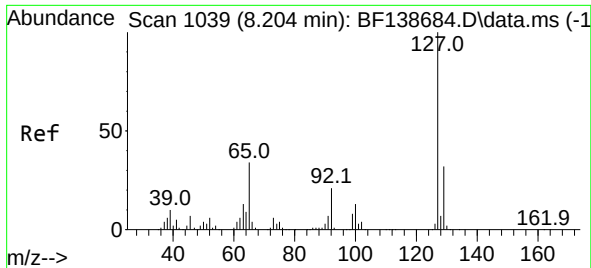


#32
Benzoic acid
Concen: 34.346 ng
RT: 7.933 min Scan# 993
Delta R.T. 0.029 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48



Tgt Ion:122 Resp: 49213
Ion Ratio Lower Upper
122 100
105 136.8 106.7 146.7
77 110.4 81.1 121.1





#33

4-Chloroaniline

Concen: 13.821 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

Tgt Ion:127 Resp: 41549

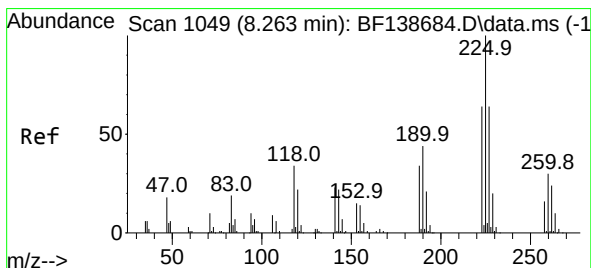
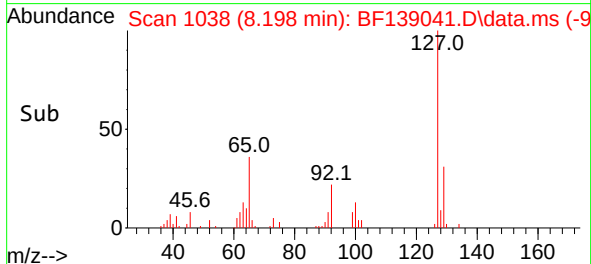
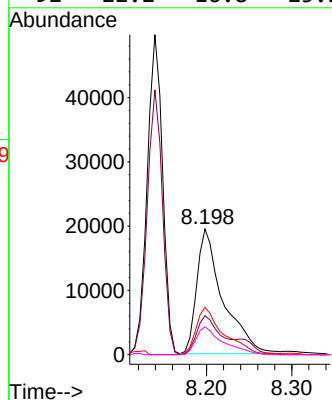
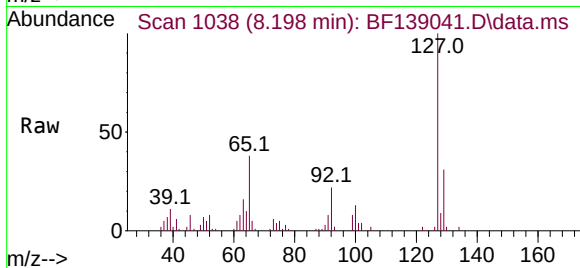
Ion Ratio Lower Upper

127 100

129 31.0 25.9 38.9

65 37.6 27.6 41.4

92 22.2 16.8 25.2



#34

Hexachlorobutadiene

Concen: 52.061 ng

RT: 8.251 min Scan# 1047

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

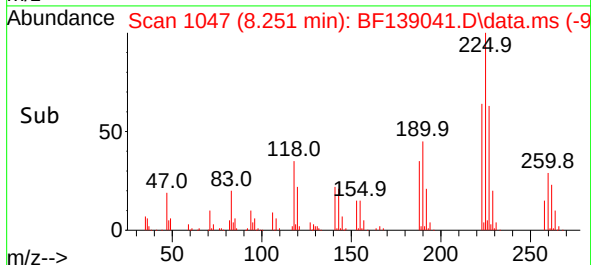
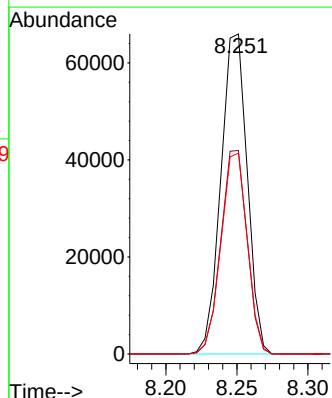
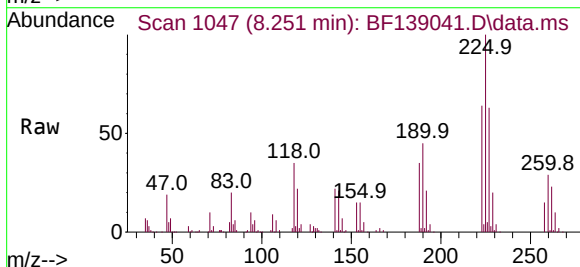
Tgt Ion:225 Resp: 85236

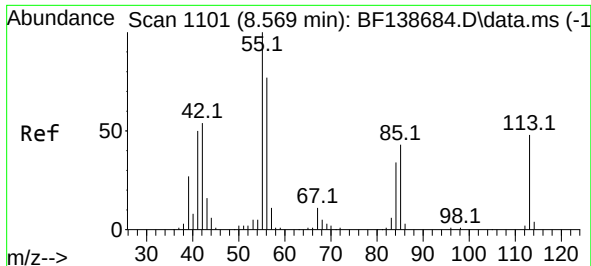
Ion Ratio Lower Upper

225 100

223 63.6 51.2 76.8

227 62.7 51.1 76.7

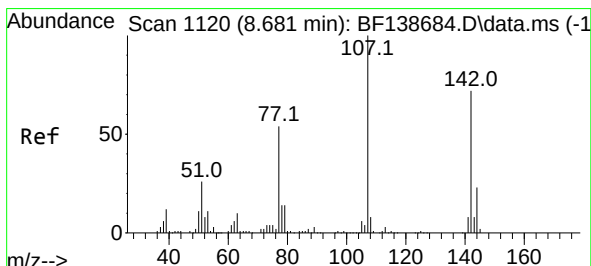
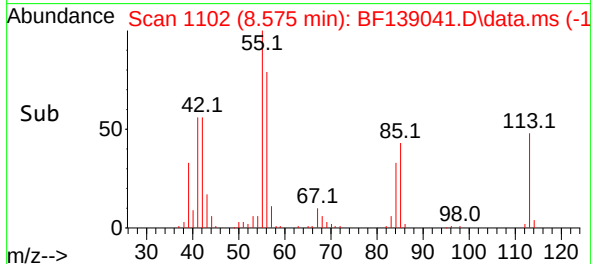
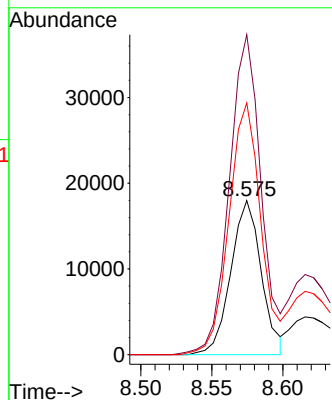
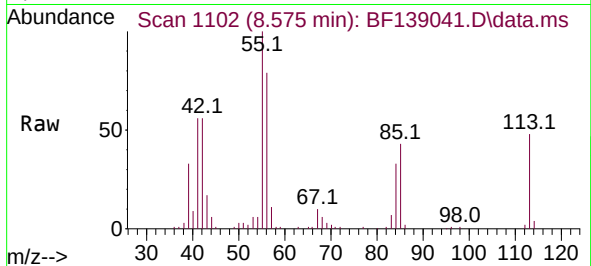




#35
 Caprolactam
 Concen: 38.463 ng
 RT: 8.575 min Scan# 1101
 Delta R.T. 0.006 min
 Lab File: BF139041.D
 Acq: 16 Aug 2024 00:48

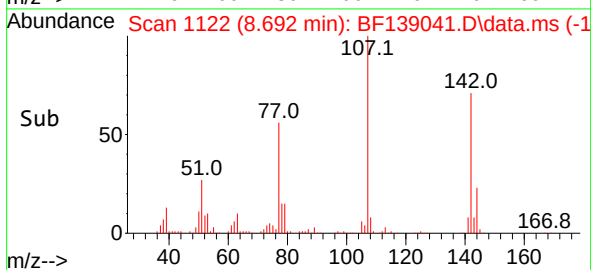
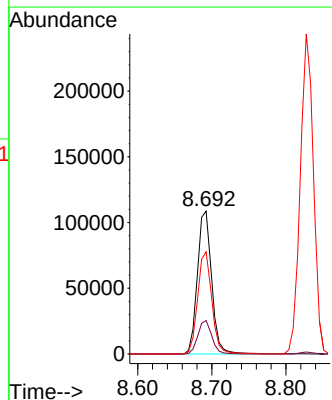
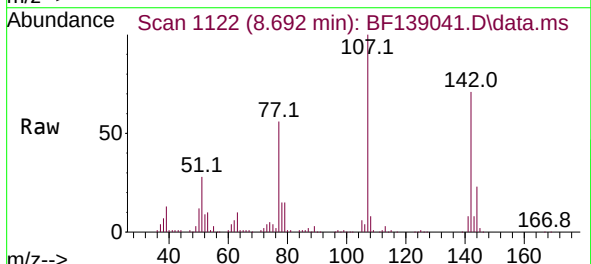
Instrument :
 BNA_F
 ClientSampleId :
 C-SOILMS

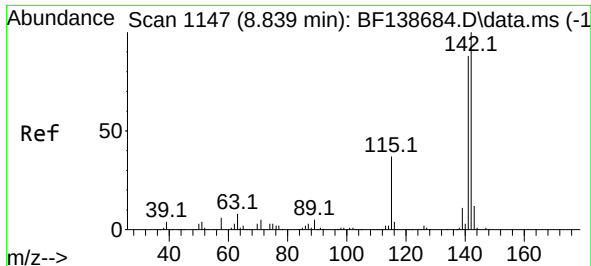
Tgt Ion:113 Resp: 26882
 Ion Ratio Lower Upper
 113 100
 55 207.7 186.7 226.7
 56 163.5 138.9 178.9



#36
 4-Chloro-3-methylphenol
 Concen: 54.329 ng
 RT: 8.692 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF139041.D
 Acq: 16 Aug 2024 00:48

Tgt Ion:107 Resp: 145435
 Ion Ratio Lower Upper
 107 100
 144 23.4 18.2 27.2
 142 71.5 57.4 86.2





#37

2-Methylnaphthalene

Concen: 53.194 ng

RT: 8.827 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

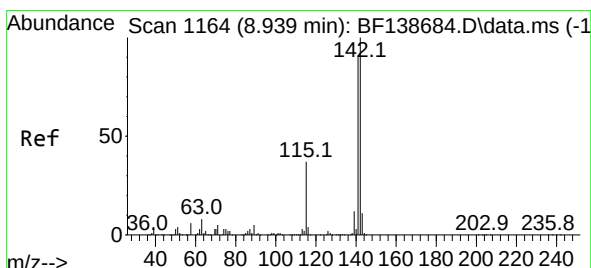
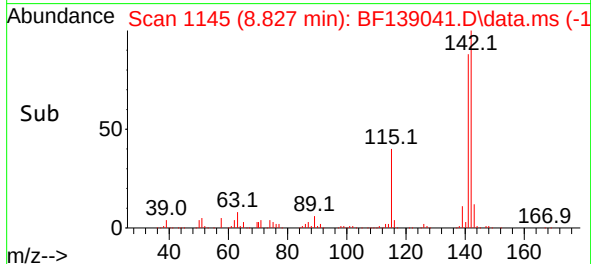
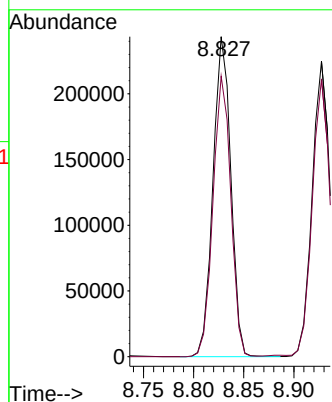
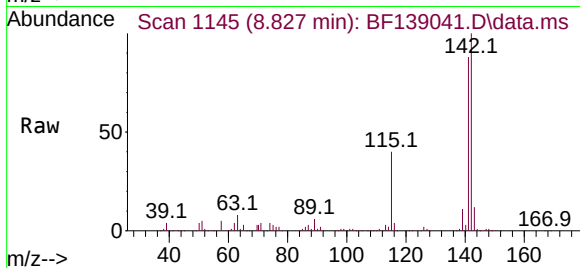
C-SOILMS

Tgt Ion:142 Resp: 300865

Ion Ratio Lower Upper

142 100

141 87.7 70.8 106.2



#38

1-Methylnaphthalene

Concen: 49.729 ng

RT: 8.927 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139041.D

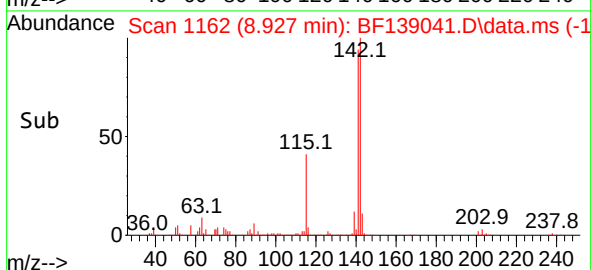
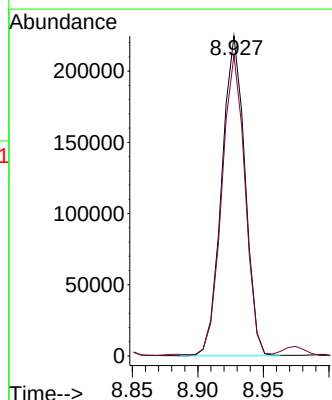
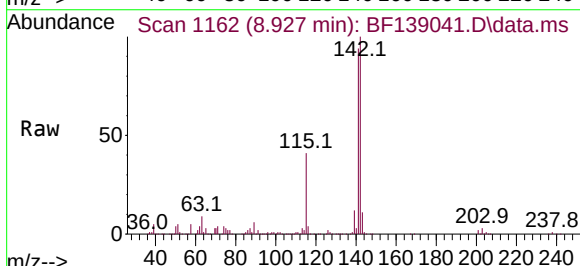
Acq: 16 Aug 2024 00:48

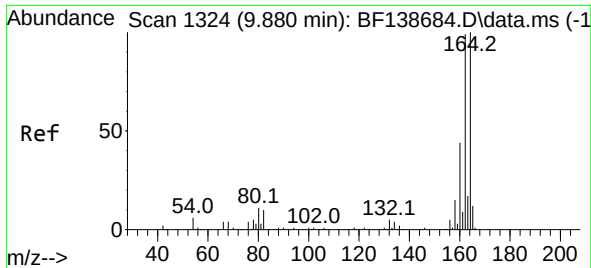
Tgt Ion:142 Resp: 275619

Ion Ratio Lower Upper

142 100

141 94.0 73.1 109.7

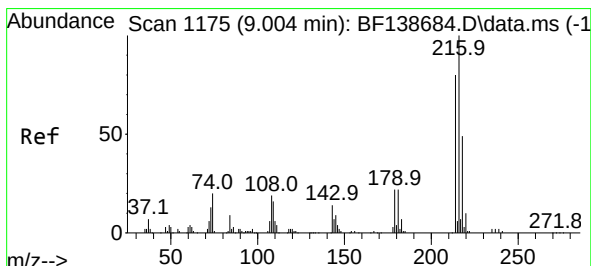
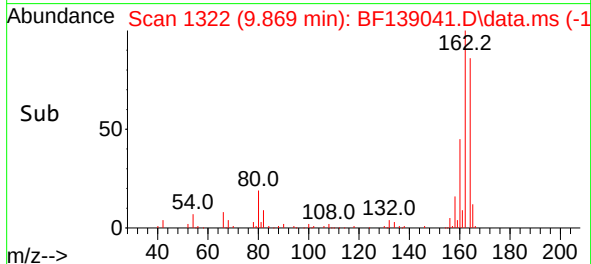
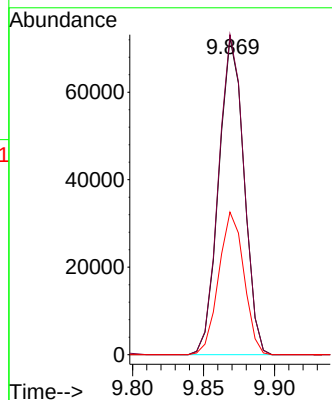
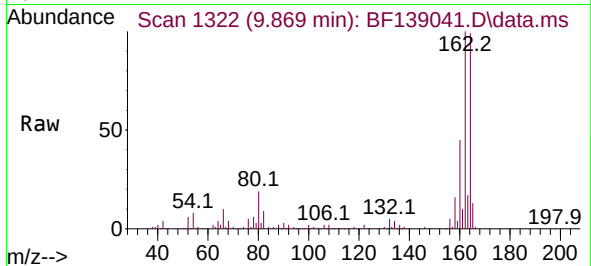




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1173
Delta R.T. -0.011 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

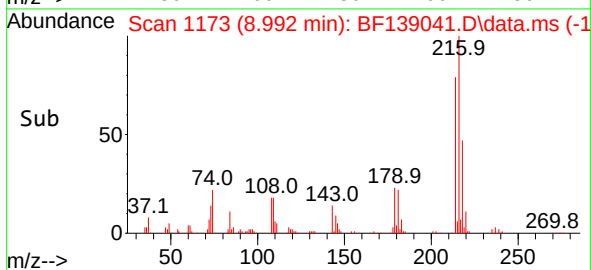
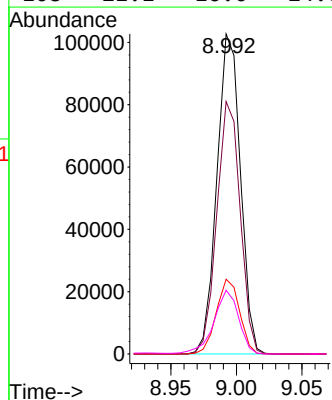
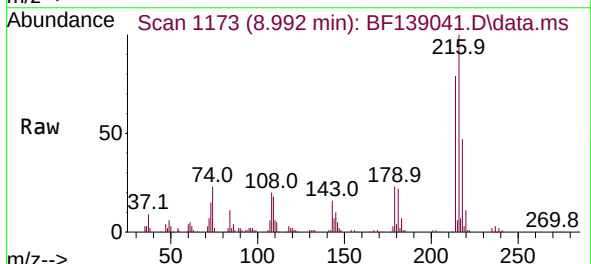
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

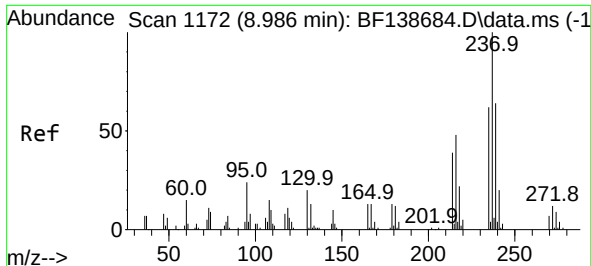
Tgt Ion:164 Resp: 89510
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.0
160 45.0 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.372 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:216 Resp: 127736
Ion Ratio Lower Upper
216 100
214 78.4 63.9 95.9
179 23.1 17.8 26.6
108 21.1 16.0 24.0

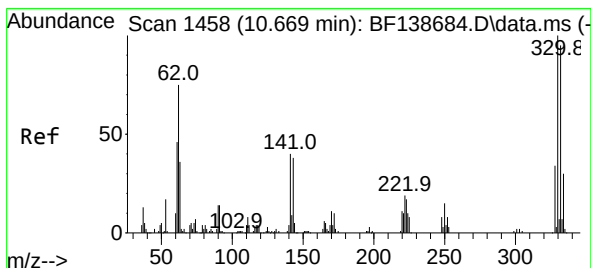
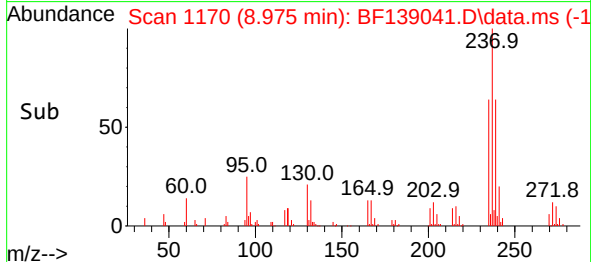
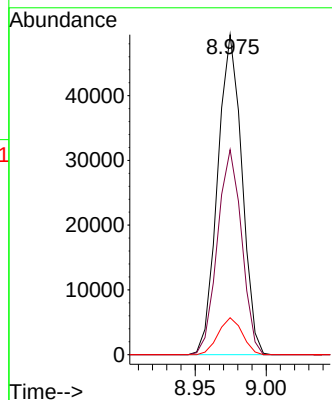
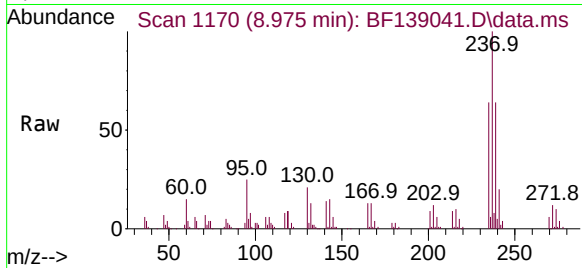




#41
Hexachlorocyclopentadiene
Concen: 88.359 ng
RT: 8.975 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

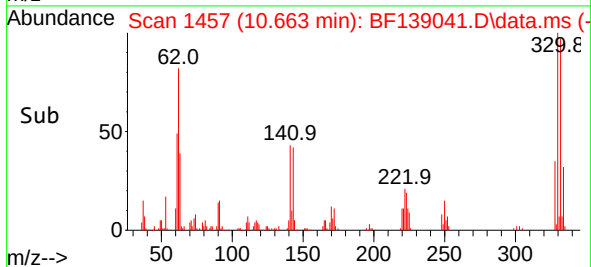
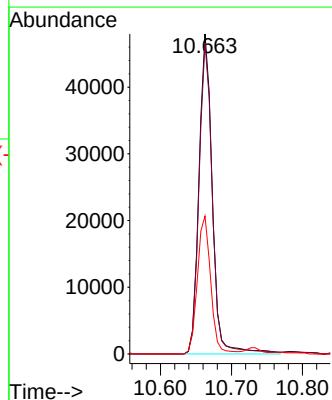
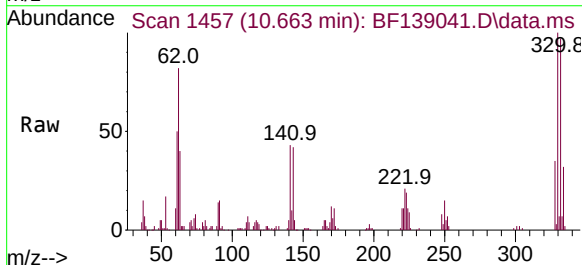
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

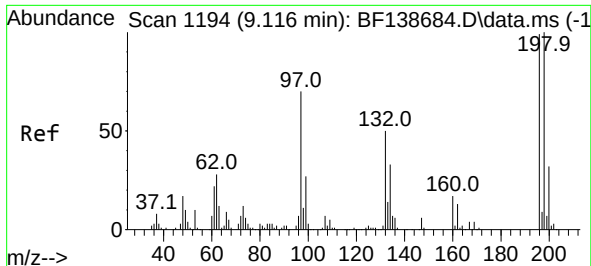
Tgt Ion:237 Resp: 58677
Ion Ratio Lower Upper
237 100
235 64.1 41.8 81.8
272 11.5 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 85.813 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:330 Resp: 62919
Ion Ratio Lower Upper
330 100
332 97.2 76.4 114.6
141 43.0 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 52.492 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

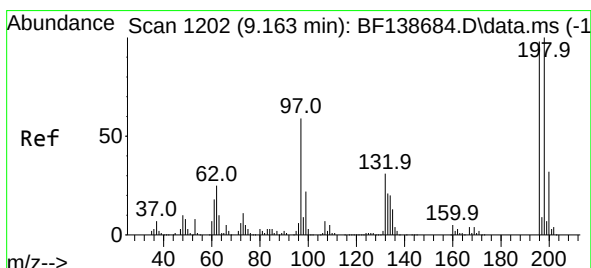
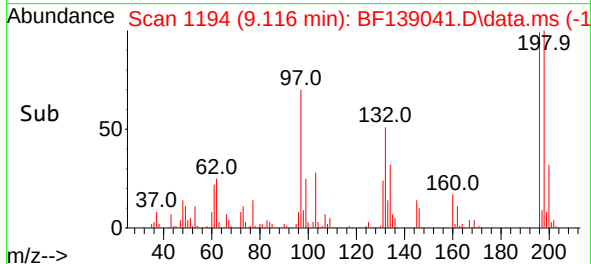
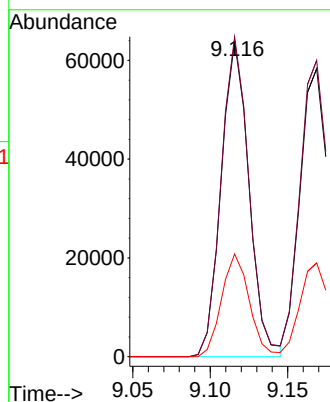
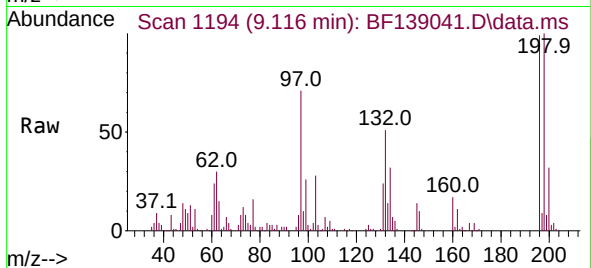
Tgt Ion:196 Resp: 79580

Ion Ratio Lower Upper

196 100

198 101.3 80.5 120.7

200 32.5 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 49.001 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Tgt Ion:196 Resp: 81211

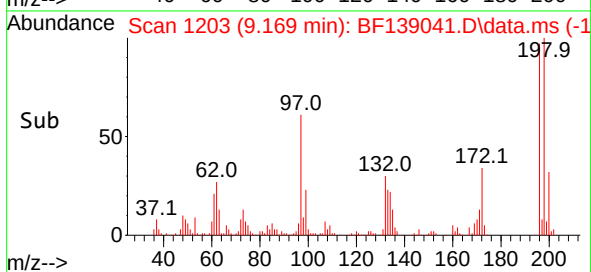
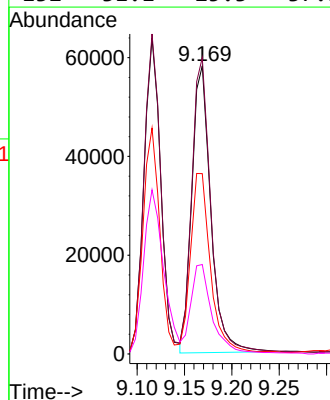
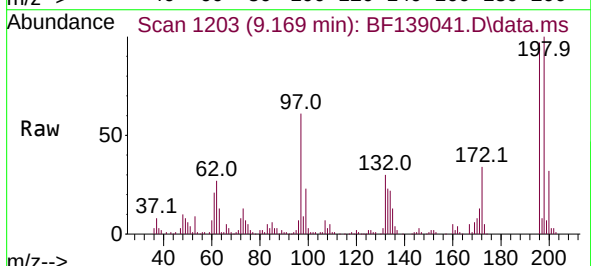
Ion Ratio Lower Upper

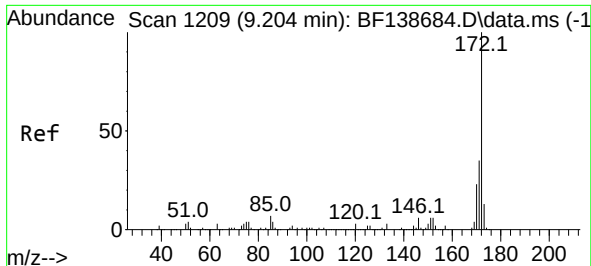
196 100

198 102.9 81.2 121.8

97 62.6 47.8 71.6

132 31.1 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 66.438 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

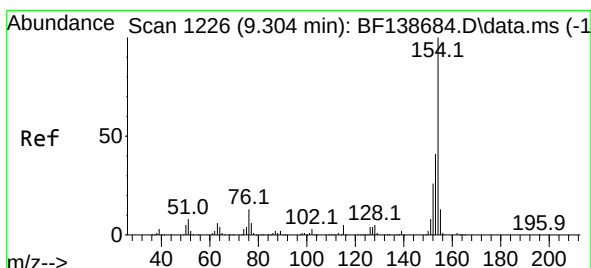
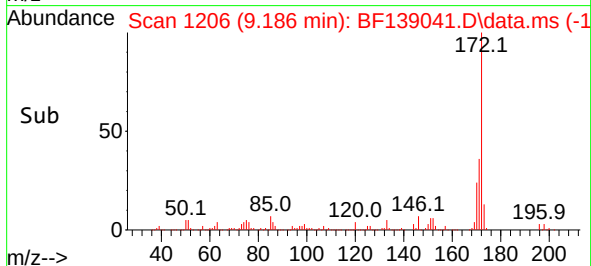
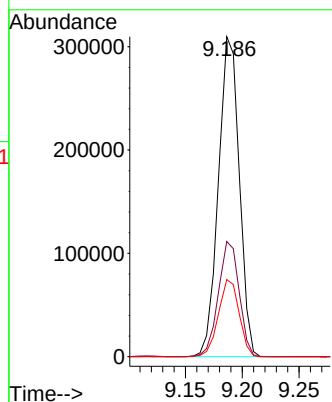
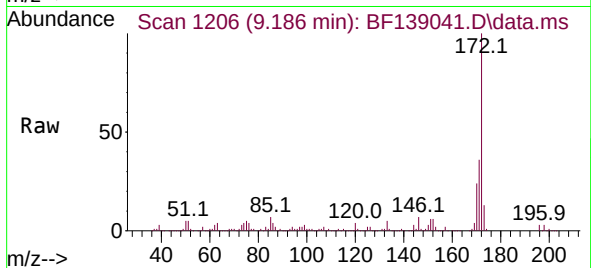
Tgt Ion:172 Resp: 395798

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 24.1 18.8 28.2



#46

1,1'-Biphenyl

Concen: 50.477 ng

RT: 9.292 min Scan# 1224

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

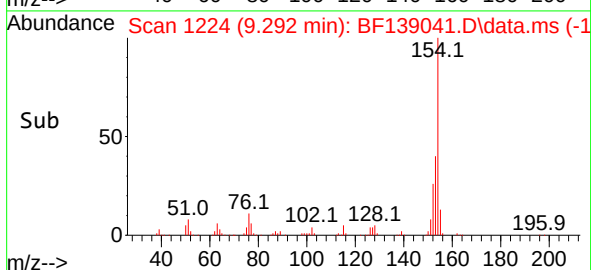
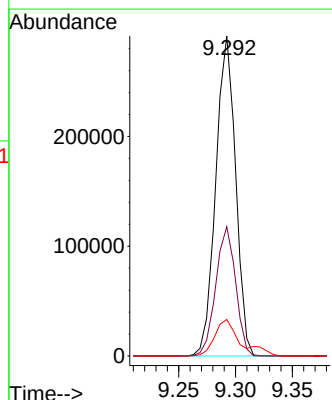
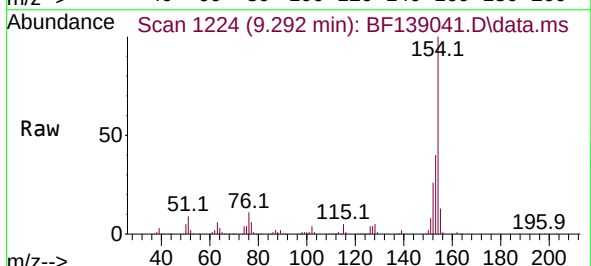
Tgt Ion:154 Resp: 353861

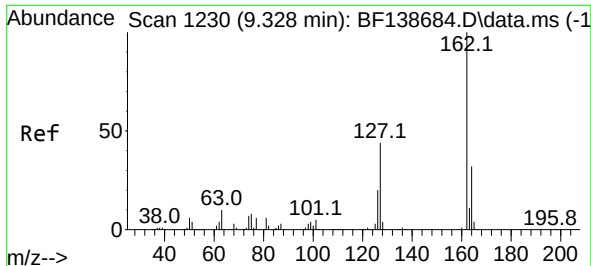
Ion Ratio Lower Upper

154 100

153 40.4 20.8 60.8

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 52.698 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

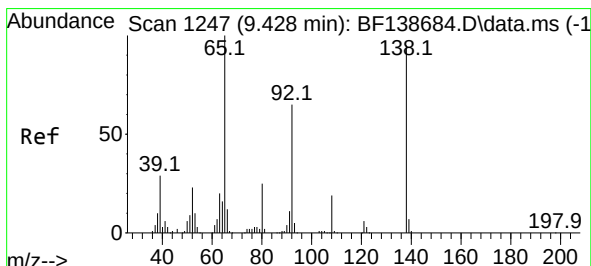
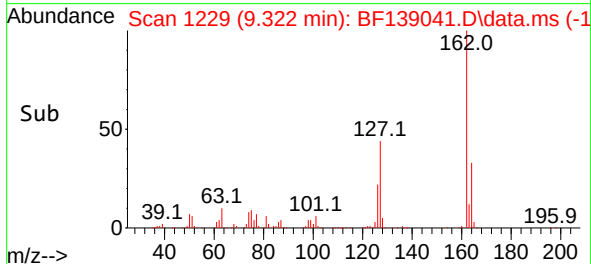
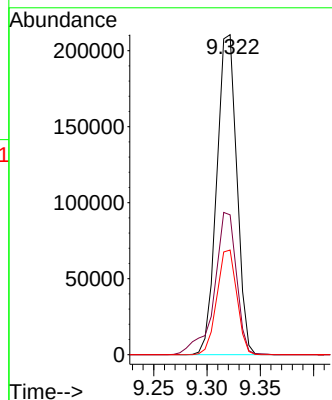
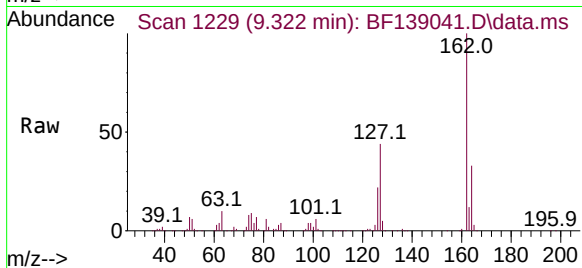
Tgt Ion:162 Resp: 274758

Ion Ratio Lower Upper

162 100

127 43.7 35.4 53.2

164 32.7 25.6 38.4



#48

2-Nitroaniline

Concen: 56.081 ng

RT: 9.427 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

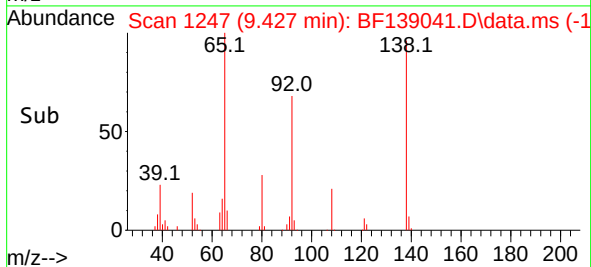
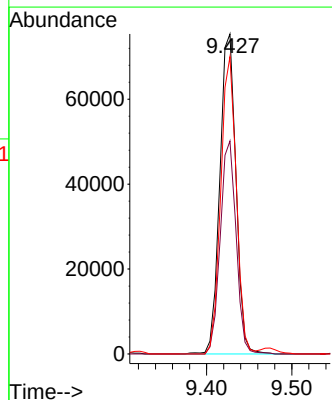
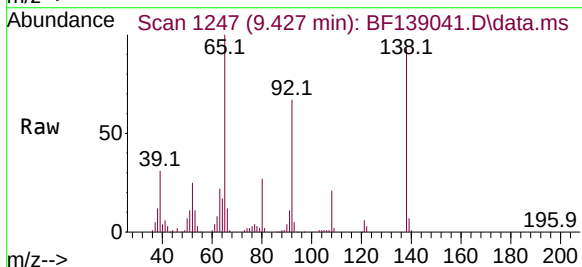
Tgt Ion: 65 Resp: 99125

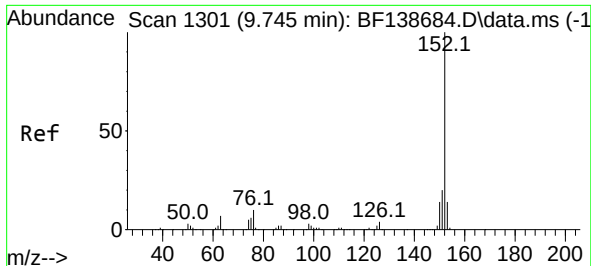
Ion Ratio Lower Upper

65 100

92 66.5 52.0 78.0

138 92.9 76.2 114.4





#49

Acenaphthylene

Concen: 57.697 ng

RT: 9.733 min Scan# 1299

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

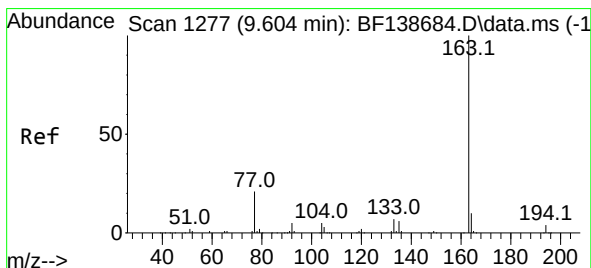
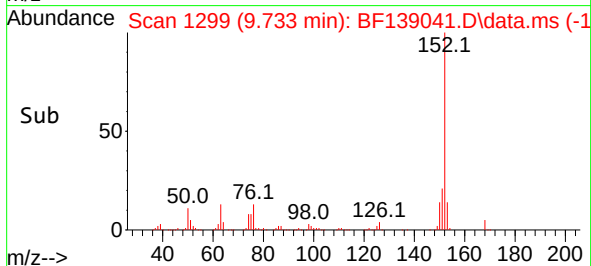
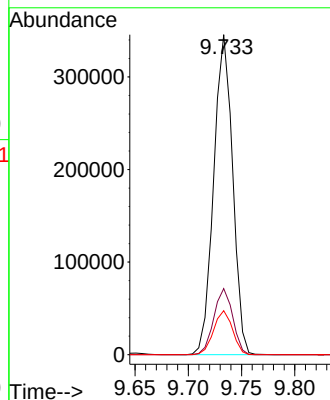
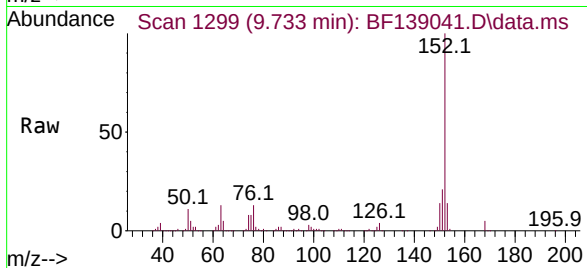
Tgt Ion:152 Resp: 426650

Ion Ratio Lower Upper

152 100

151 20.7 16.0 24.0

153 13.8 11.0 16.4



#50

Dimethylphthalate

Concen: 58.259 ng

RT: 9.592 min Scan# 1275

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

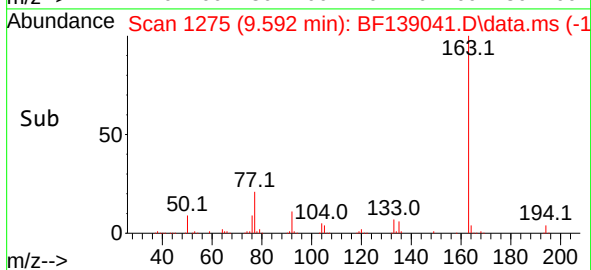
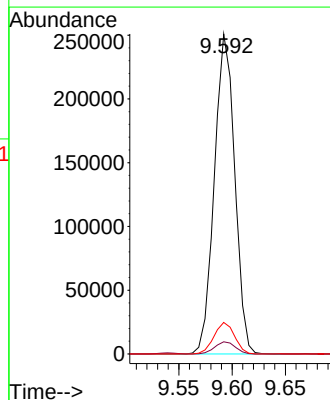
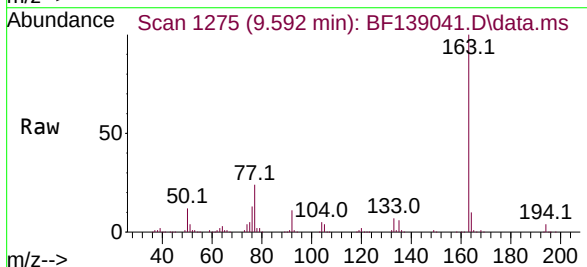
Tgt Ion:163 Resp: 333438

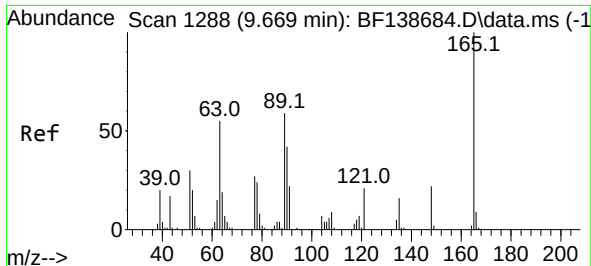
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 9.9 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 53.505 ng

RT: 9.663 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

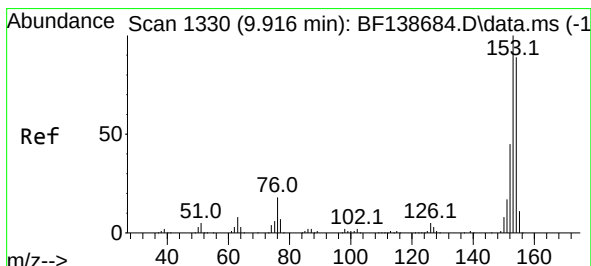
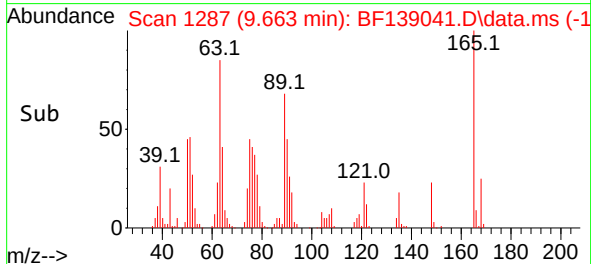
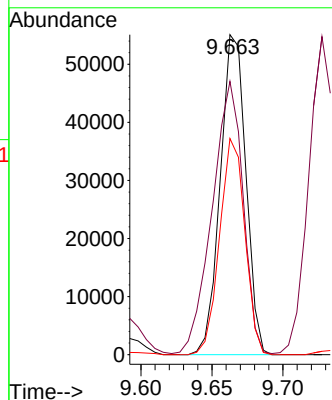
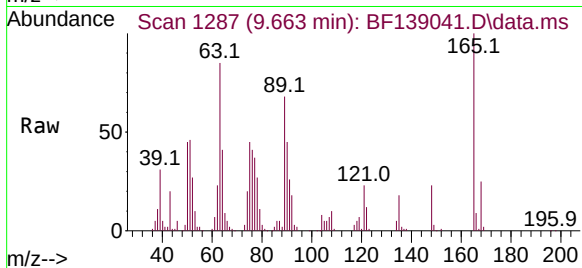
Tgt Ion:165 Resp: 69111

Ion Ratio Lower Upper

165 100

63 85.4 52.0 78.0#

89 67.6 47.0 70.6



#52

Acenaphthene

Concen: 52.093 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

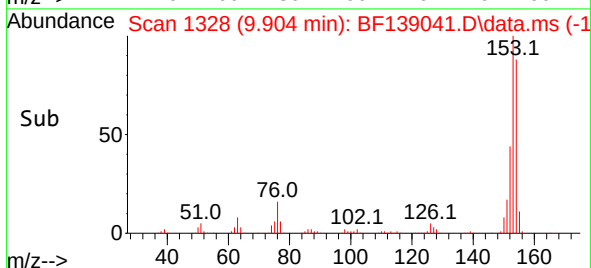
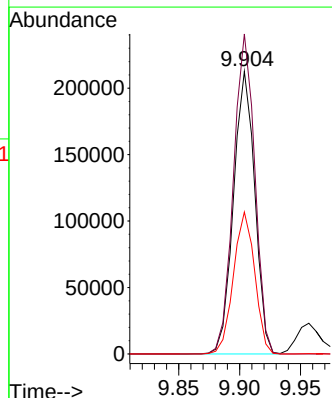
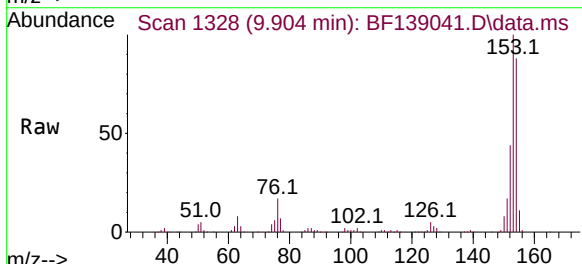
Tgt Ion:154 Resp: 258945

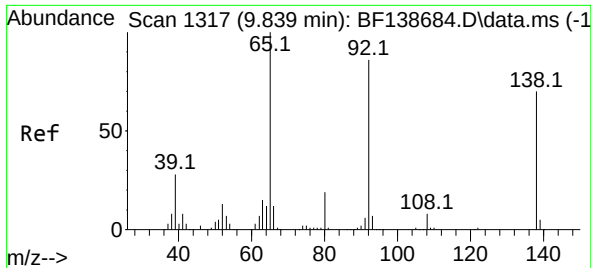
Ion Ratio Lower Upper

154 100

153 113.2 89.9 134.9

152 50.2 40.6 60.8

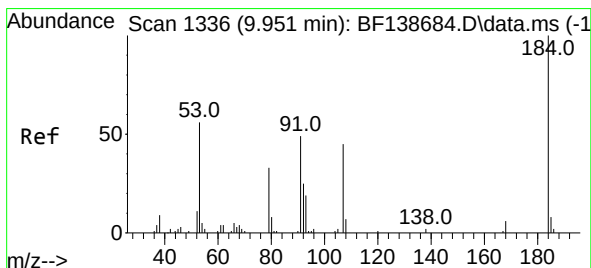
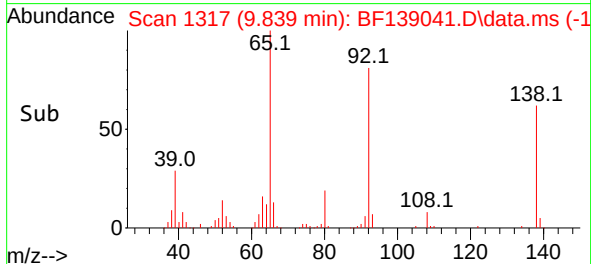
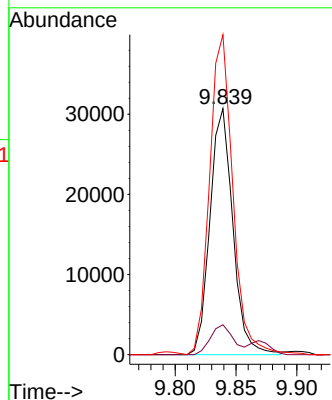
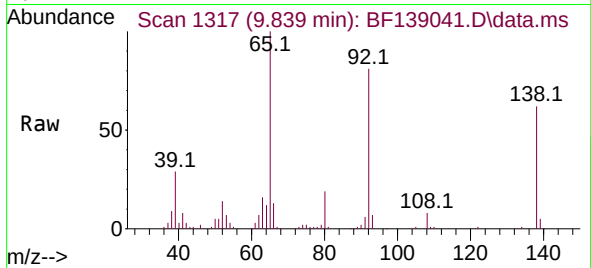




#53
3-Nitroaniline
Concen: 30.077 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

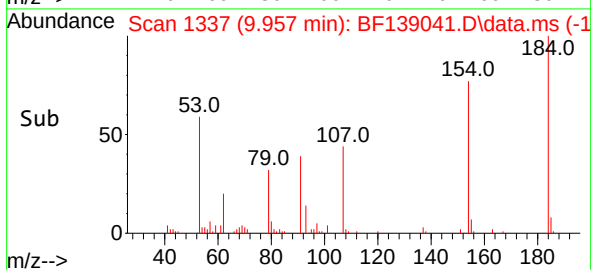
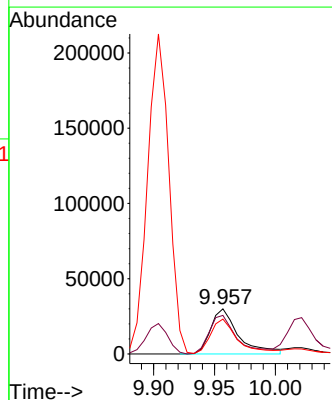
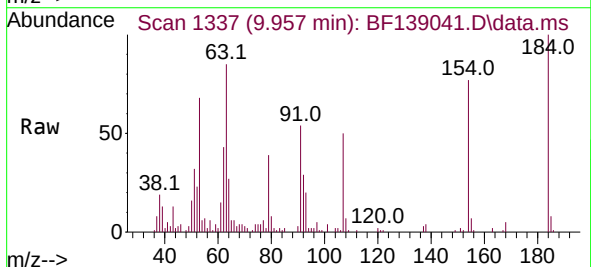
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

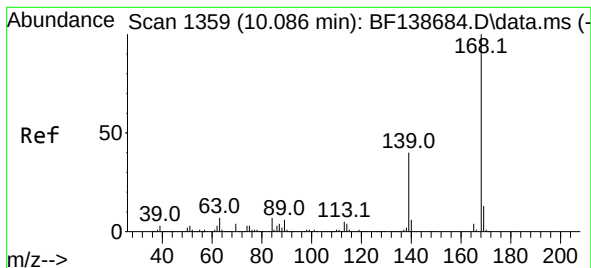
Tgt Ion:138 Resp: 40161
Ion Ratio Lower Upper
138 100
108 12.2 9.1 13.7
92 130.1 98.7 148.1



#54
2,4-Dinitrophenol
Concen: 79.974 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:184 Resp: 47552
Ion Ratio Lower Upper
184 100
63 85.5 57.5 86.3
154 77.2 51.7 77.5





#55

Dibenzofuran

Concen: 53.854 ng

RT: 10.074 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

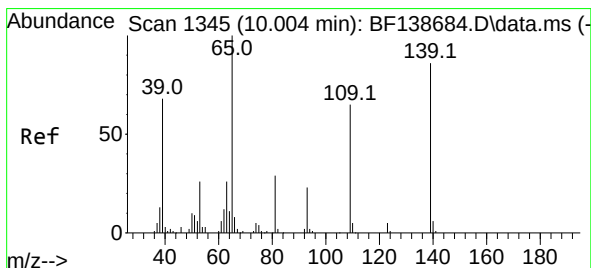
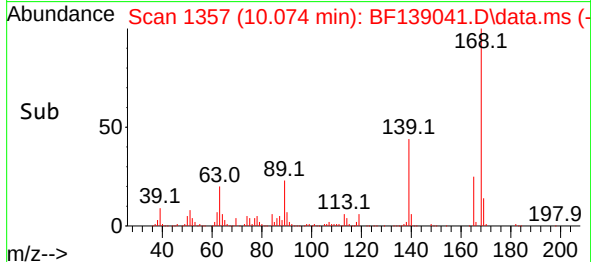
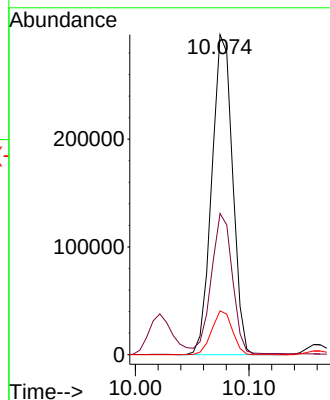
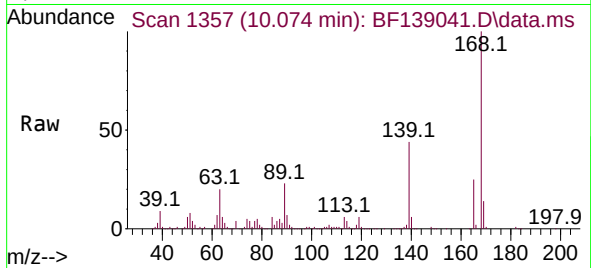
Tgt Ion:168 Resp: 377884

Ion Ratio Lower Upper

168 100

139 44.1 32.6 49.0

169 13.7 10.7 16.1



#56

4-Nitrophenol

Concen: 70.063 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.018 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

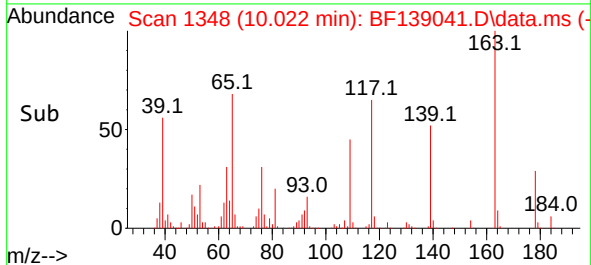
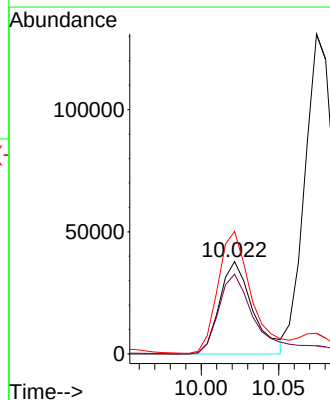
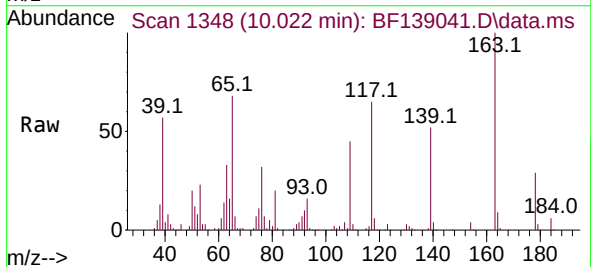
Tgt Ion:139 Resp: 56259

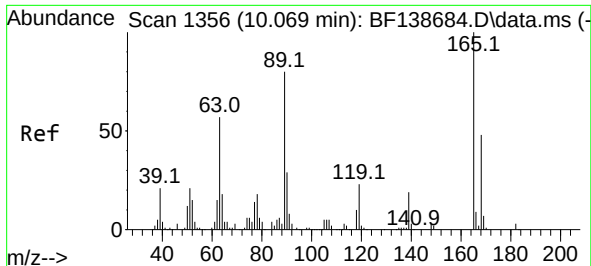
Ion Ratio Lower Upper

139 100

109 86.4 55.5 95.5

65 132.7 96.7 136.7

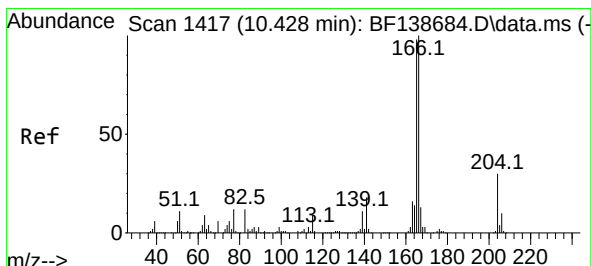
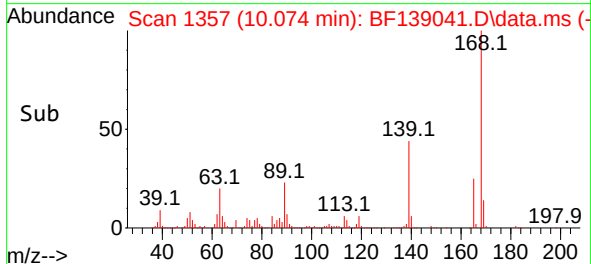
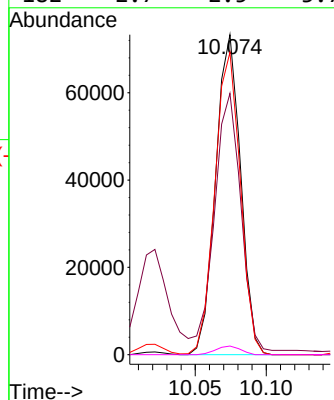
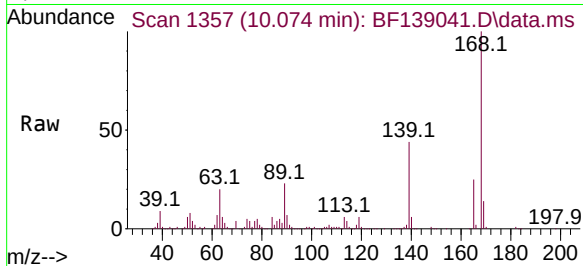




#57
2,4-Dinitrotoluene
Concen: 54.402 ng
RT: 10.074 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

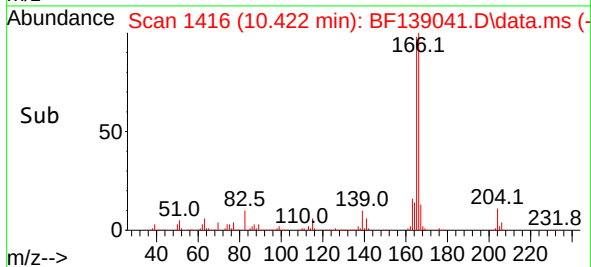
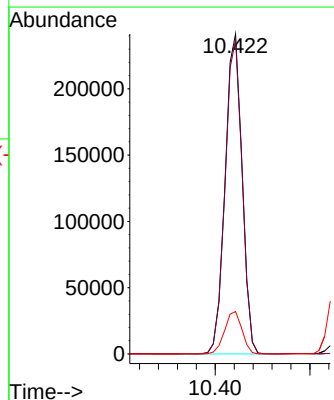
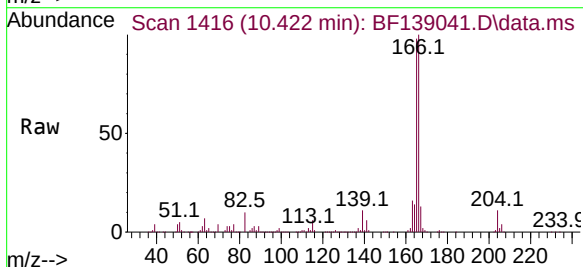
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

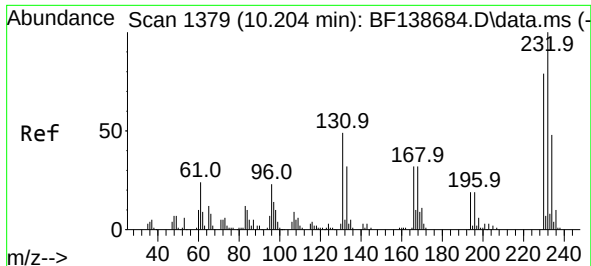
Tgt Ion:165 Resp: 89652
Ion Ratio Lower Upper
165 100
63 81.6 46.3 69.5#
89 94.5 64.2 96.4
182 2.7 2.5 3.7



#58
Fluorene
Concen: 54.009 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:166 Resp: 301792
Ion Ratio Lower Upper
166 100
165 98.3 78.4 117.6
167 13.3 10.6 16.0



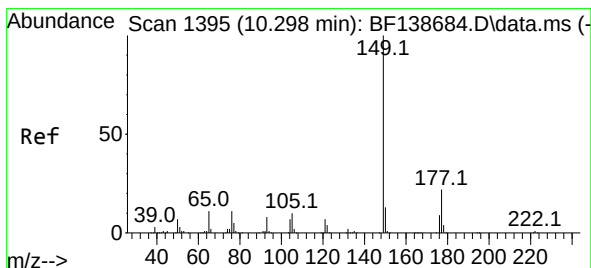
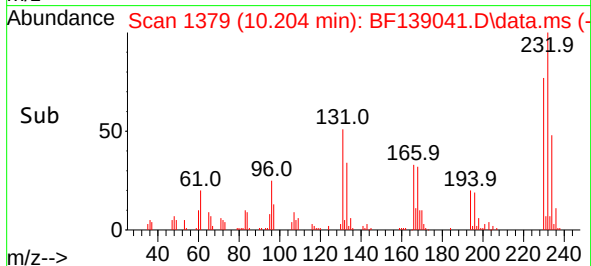
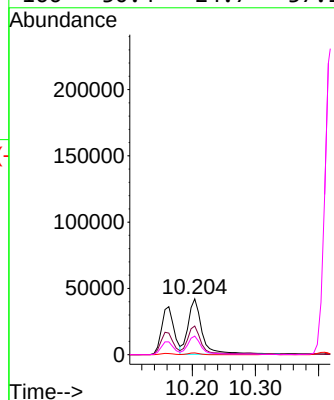
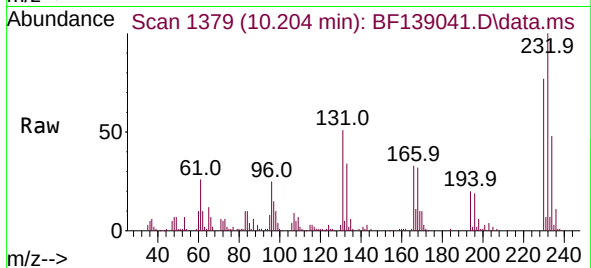


#59
2,3,4,6-Tetrachlorophenol
Concen: 50.477 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Instrument :
BNA_F
ClientSampleId :
C-SOILMS

Tgt Ion:232 Resp: 63958

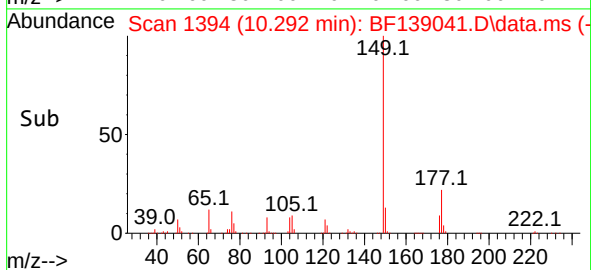
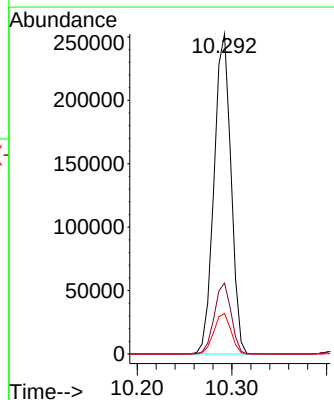
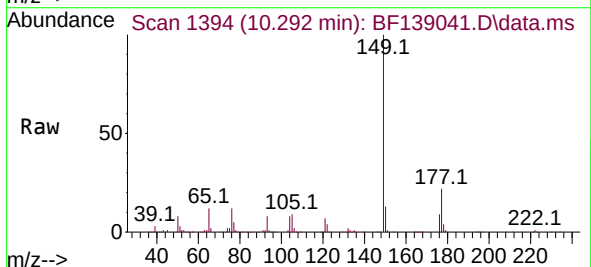
Ion	Ratio	Lower	Upper
232	100		
131	49.4	37.0	55.4
130	2.7	2.0	3.0
166	30.4	24.7	37.1

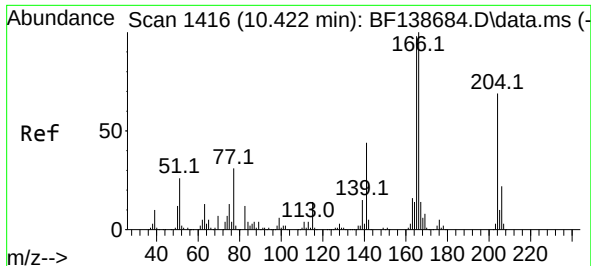


#60
Diethylphthalate
Concen: 57.874 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:149 Resp: 314066

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.7	10.1	15.1

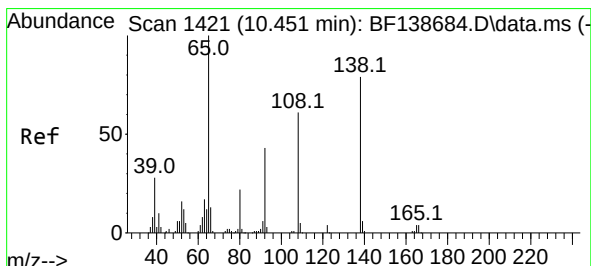
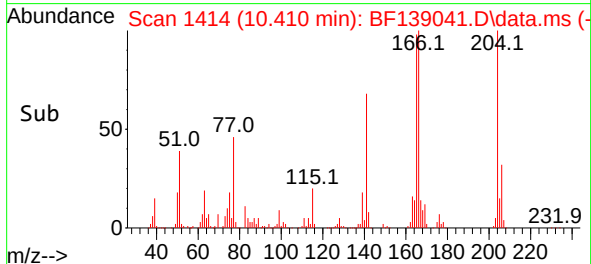
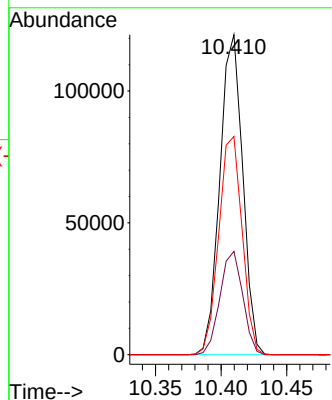
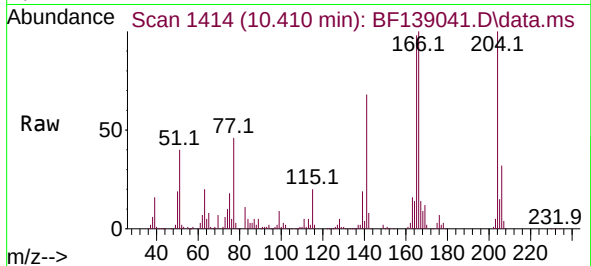




#61
4-Chlorophenyl-phenylether
Concen: 53.466 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

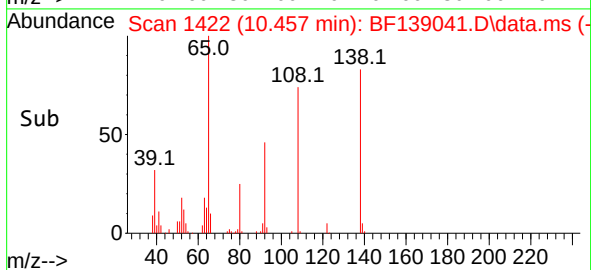
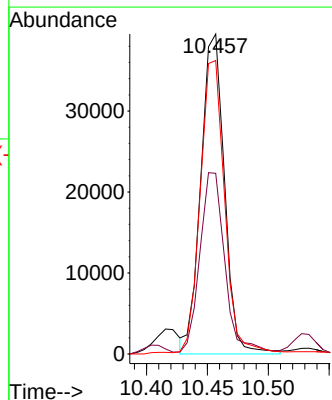
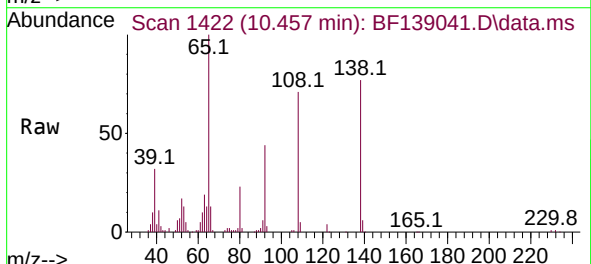
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

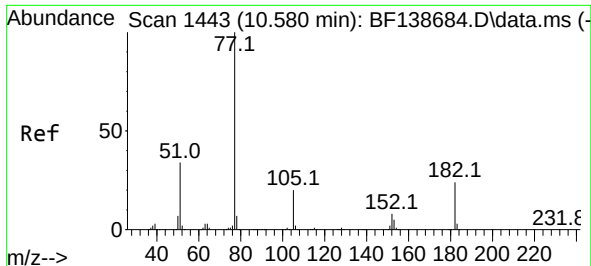
Tgt Ion:204 Resp: 146934
Ion Ratio Lower Upper
204 100
206 32.3 26.1 39.1
141 68.2 51.4 77.0



#62
4-Nitroaniline
Concen: 42.048 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:138 Resp: 53357
Ion Ratio Lower Upper
138 100
92 56.4 34.2 74.2
108 91.7 56.2 96.2

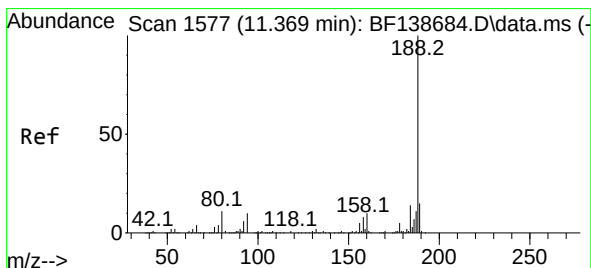
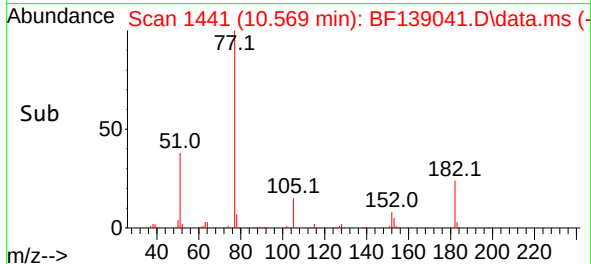
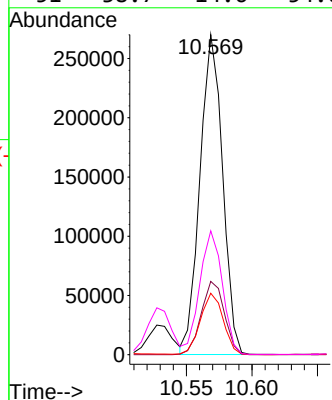
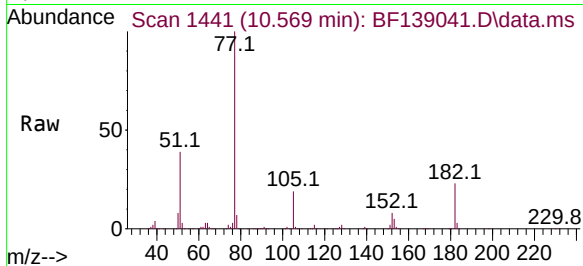




#63
Azobenzene
Concen: 53.932 ng
RT: 10.569 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

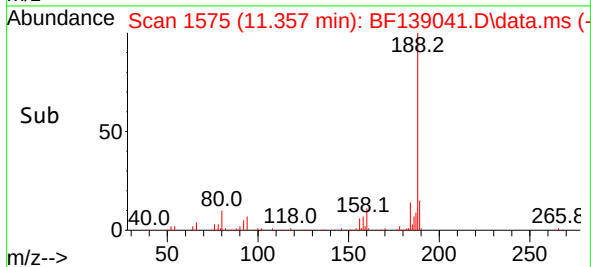
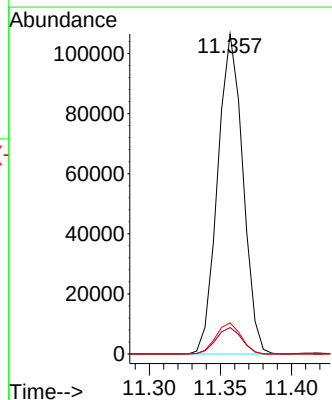
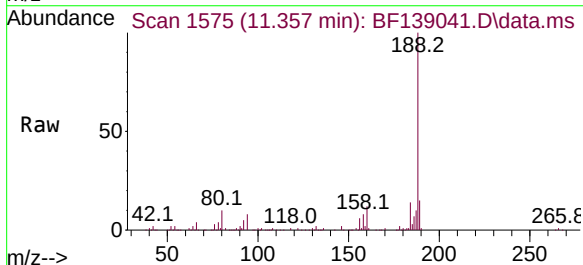
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

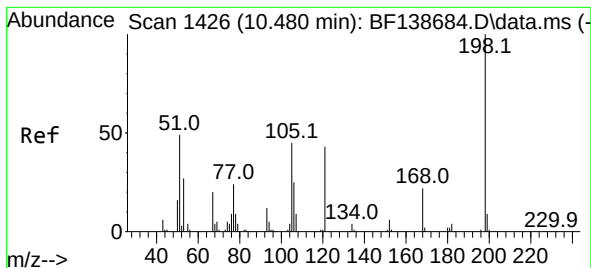
Tgt Ion: 77	Resp: 324609
Ion Ratio	Lower Upper
77 100	
182 22.9	3.4 43.4
105 19.2	0.2 40.2
51 38.7	14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt	Ion:188	Resp:	131551
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.6	11.4
80	9.7	8.6	12.8

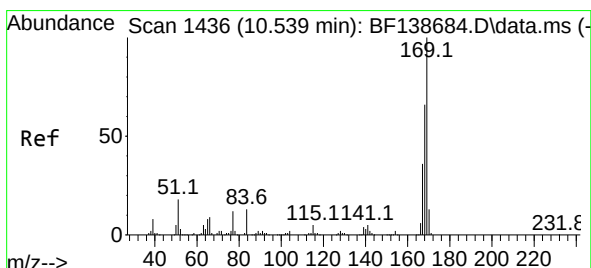
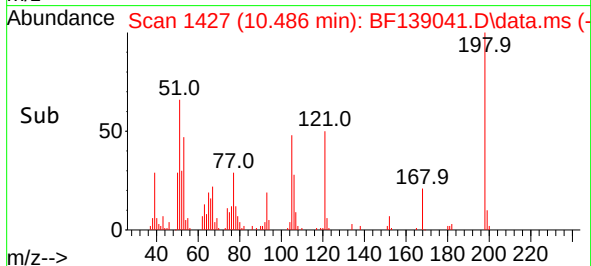
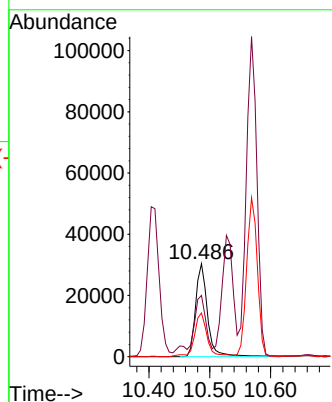
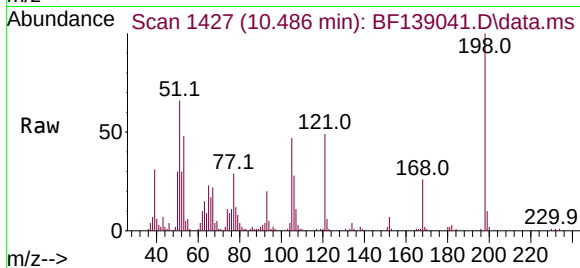




#65
4,6-Dinitro-2-methylphenol
Concen: 51.648 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

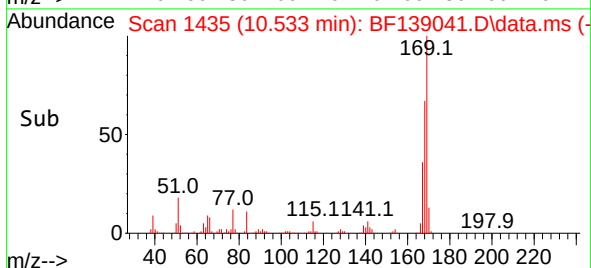
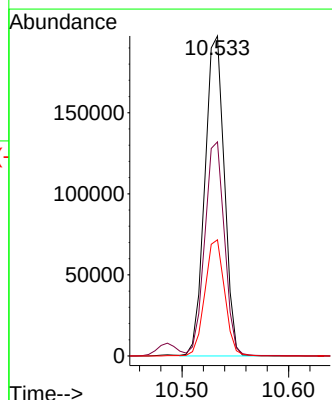
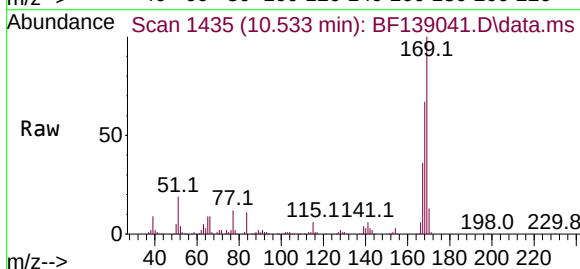
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

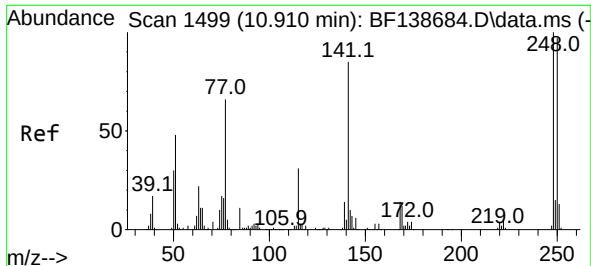
Tgt Ion:198 Resp: 41451
Ion Ratio Lower Upper
198 100
51 66.0 39.9 79.9
105 46.9 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 61.014 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:169 Resp: 250888
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.6
167 36.3 29.0 43.6

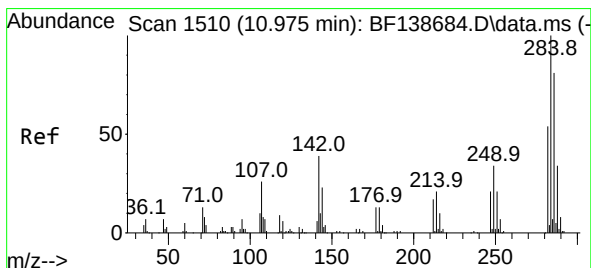
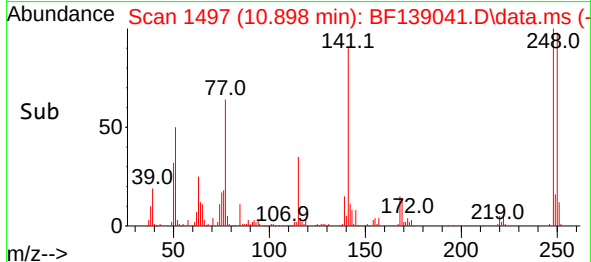
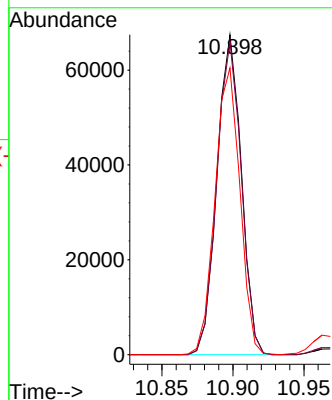
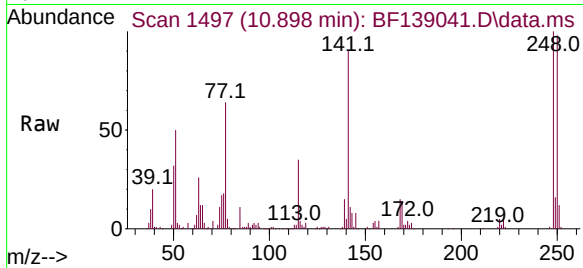




#67
4-Bromophenyl-phenylether
Concen: 56.550 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

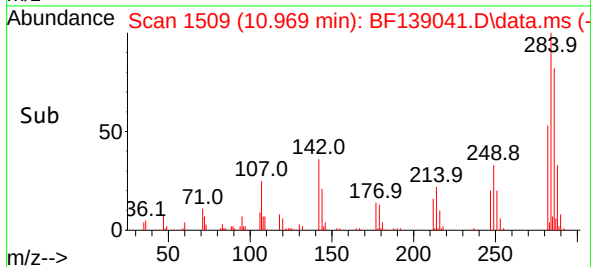
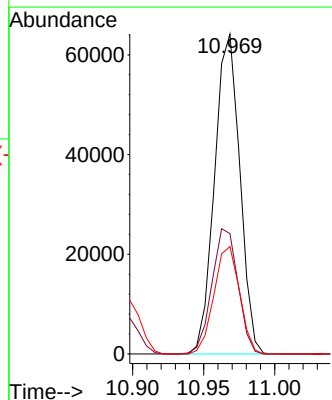
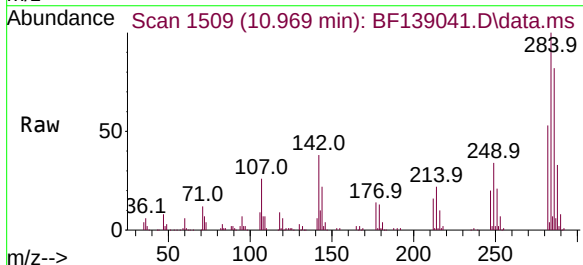
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

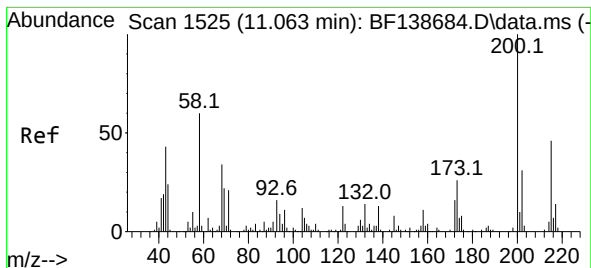
Tgt Ion:248 Resp: 80543
Ion Ratio Lower Upper
248 100
250 97.7 77.7 116.5
141 89.6 68.0 102.0



#68
Hexachlorobenzene
Concen: 53.992 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:284 Resp: 79400
Ion Ratio Lower Upper
284 100
142 37.6 31.3 46.9
249 33.6 27.2 40.8





#69

Atrazine

Concen: 64.723 ng

RT: 11.057 min Scan# 1524

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

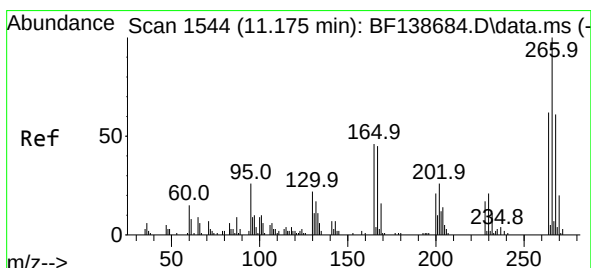
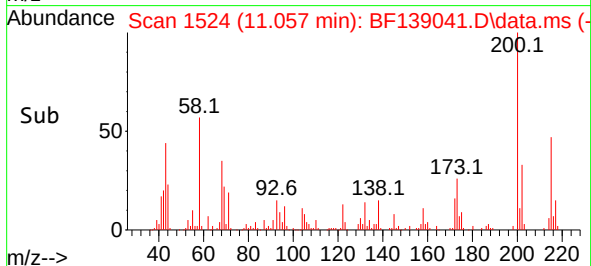
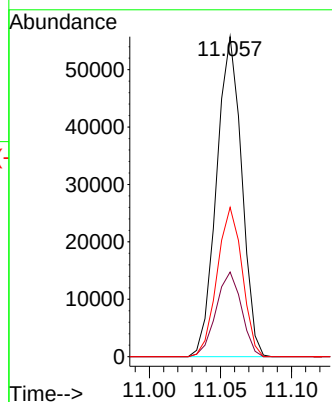
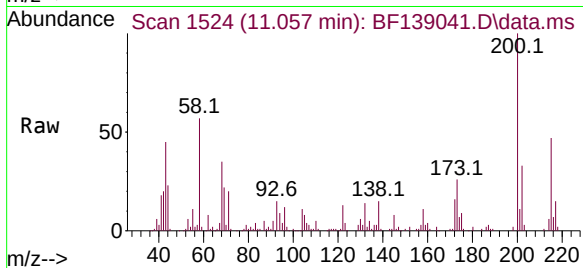
Tgt Ion:200 Resp: 68665

Ion Ratio Lower Upper

200 100

173 26.4 6.0 46.0

215 46.7 26.1 66.1



#70

Pentachlorophenol

Concen: 59.906 ng

RT: 11.174 min Scan# 1544

Delta R.T. -0.001 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

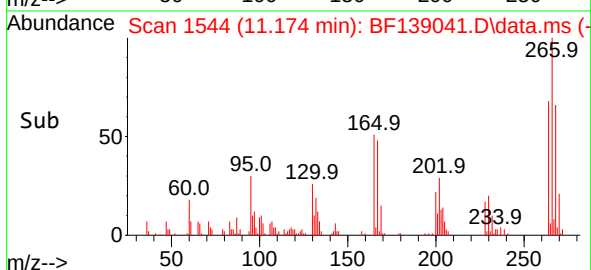
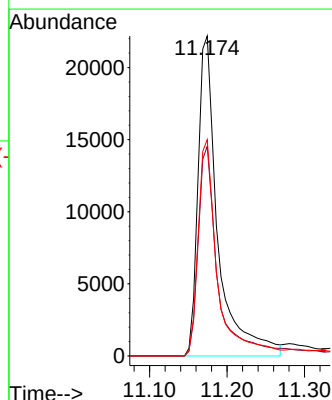
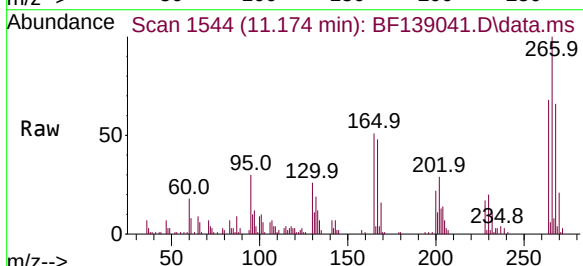
Tgt Ion:266 Resp: 39709

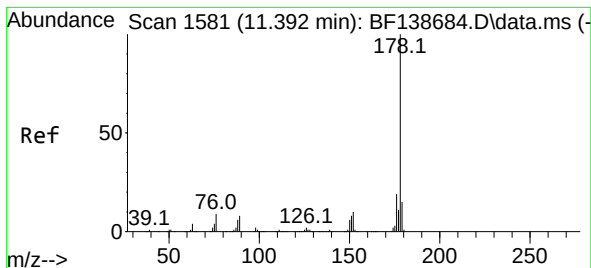
Ion Ratio Lower Upper

266 100

268 65.5 49.2 73.8

264 67.6 49.8 74.6





#71

Phenanthrene

Concen: 55.531 ng

RT: 11.380 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

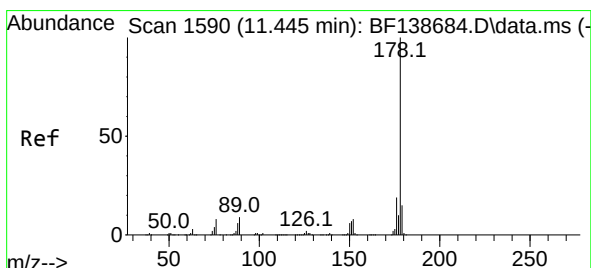
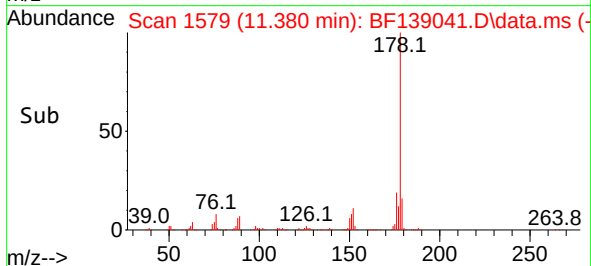
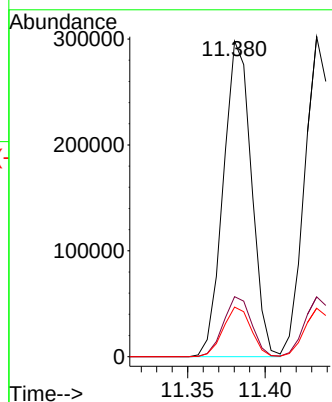
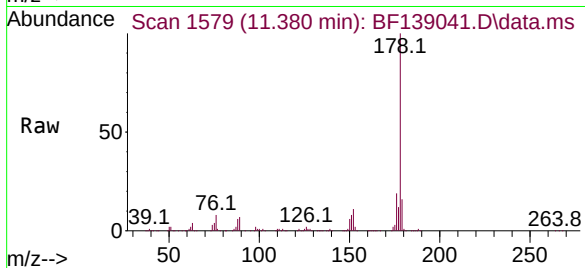
Tgt Ion:178 Resp: 376155

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.7 12.2 18.2



#72

Anthracene

Concen: 55.864 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

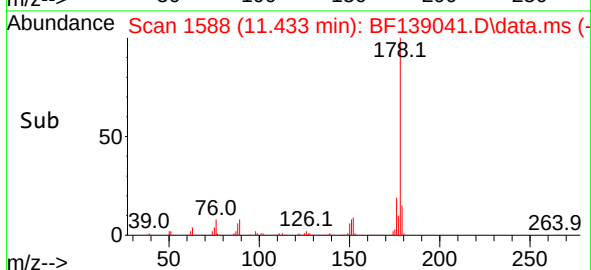
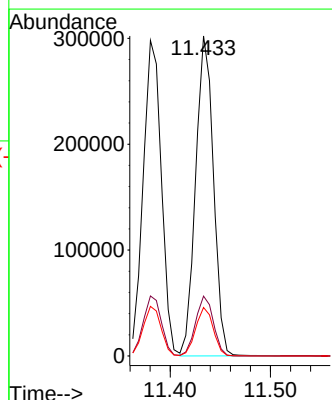
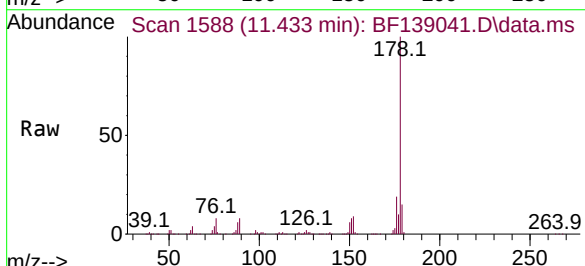
Tgt Ion:178 Resp: 372792

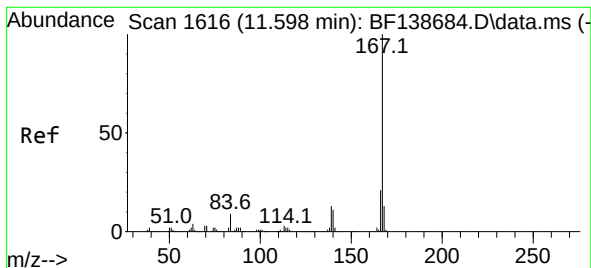
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.1 12.4 18.6





#73

Carbazole

Concen: 51.434 ng

RT: 11.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

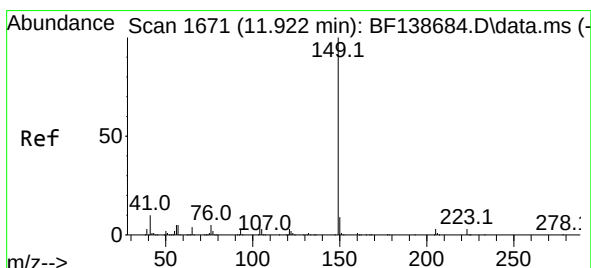
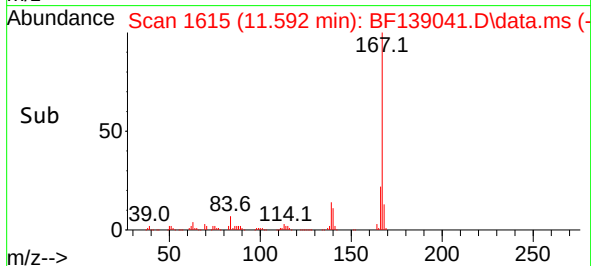
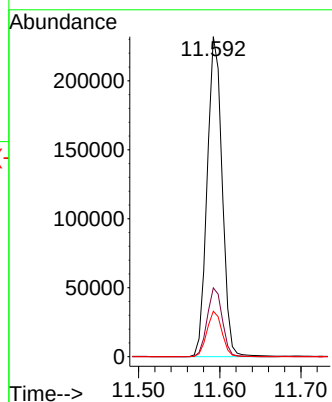
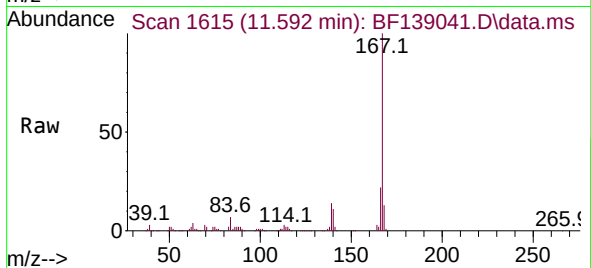
Tgt Ion:167 Resp: 296116

Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 14.2 10.6 16.0



#74

Di-n-butylphthalate

Concen: 62.072 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

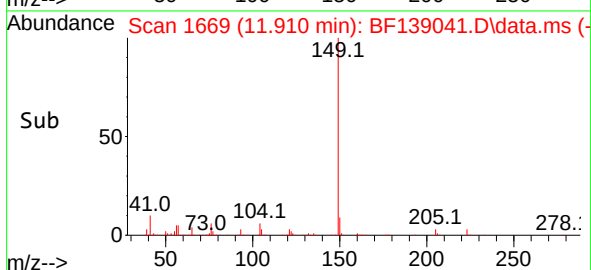
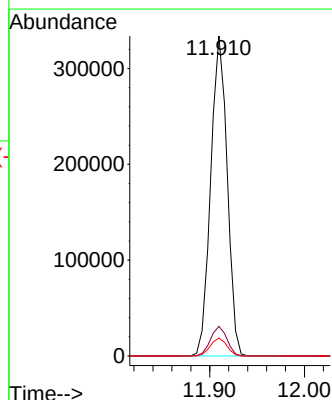
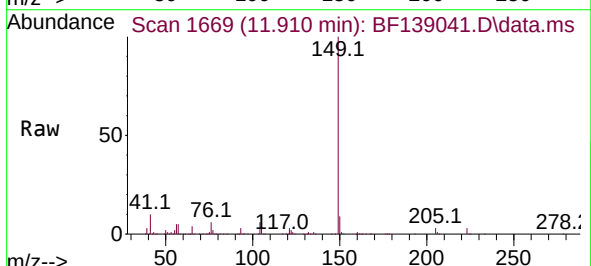
Tgt Ion:149 Resp: 401735

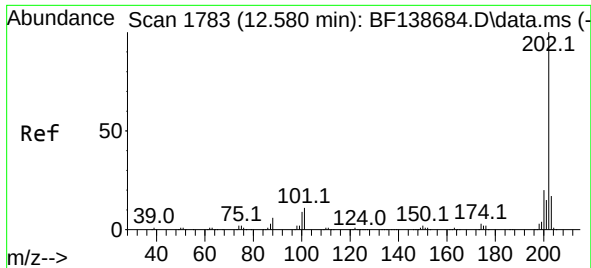
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.6 4.1 6.1

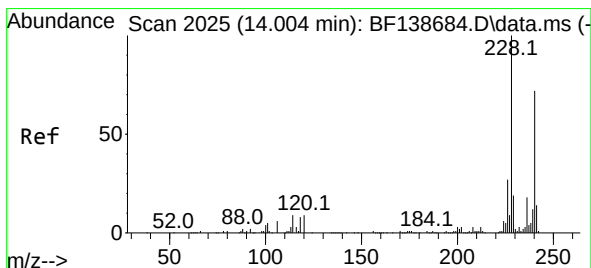
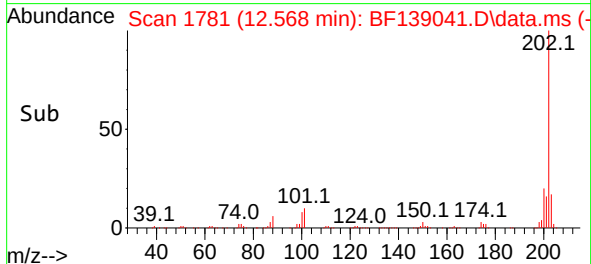
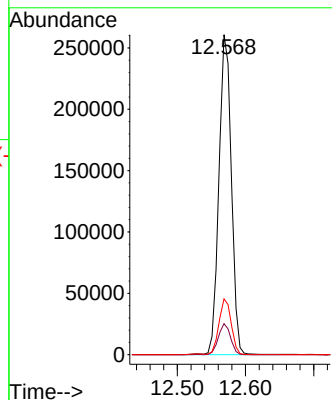
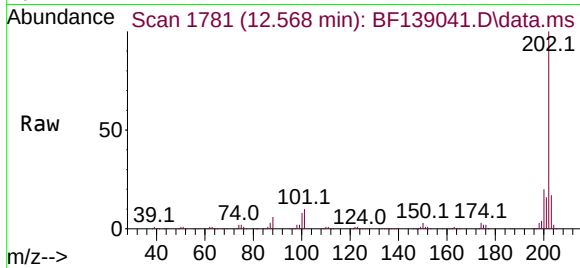




#75
Fluoranthene
Concen: 52.276 ng
RT: 12.568 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

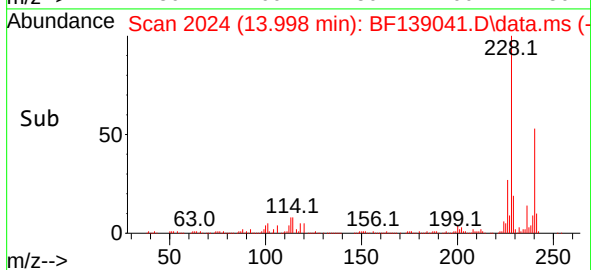
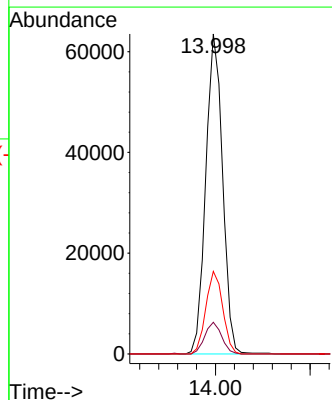
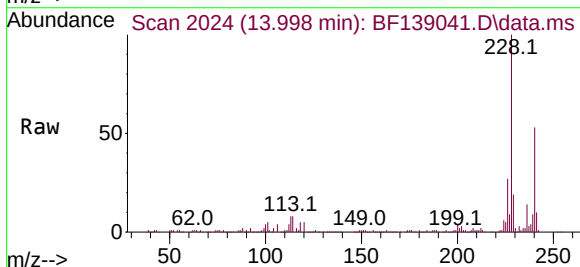
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

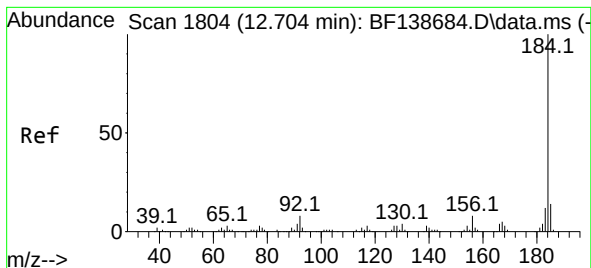
Tgt Ion:202 Resp: 330580
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:240 Resp: 78293
Ion Ratio Lower Upper
240 100
120 9.9 10.2 15.4#
236 25.8 19.8 29.8





#77

Benzidine

Concen: 28.413 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

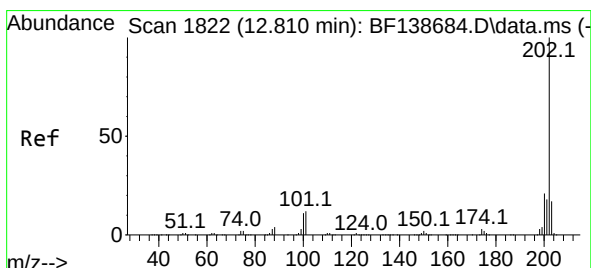
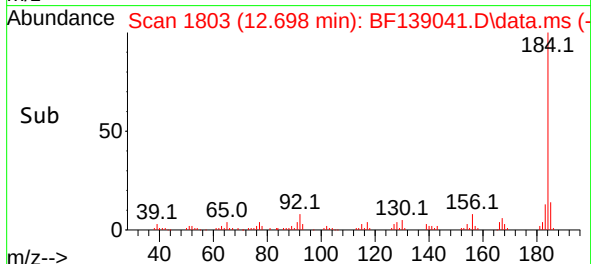
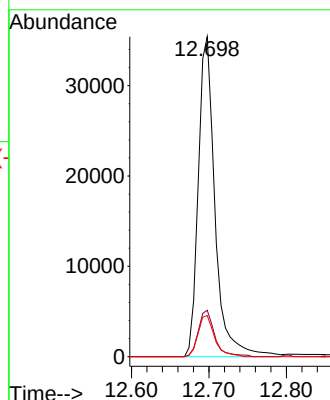
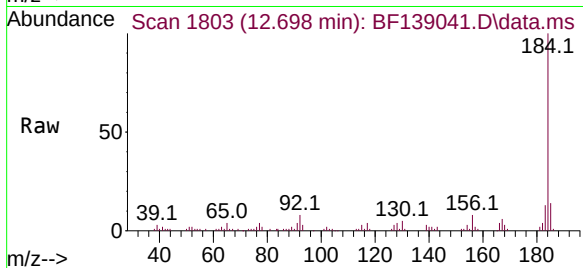
Tgt Ion:184 Resp: 53208

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

183 12.9 9.6 14.4



#78

Pyrene

Concen: 45.433 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

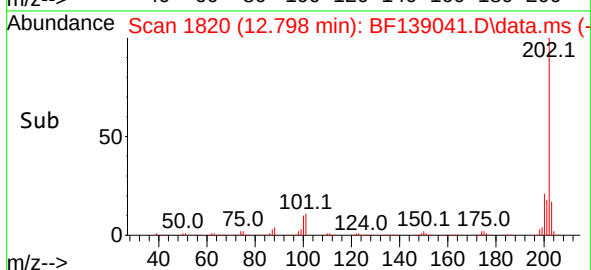
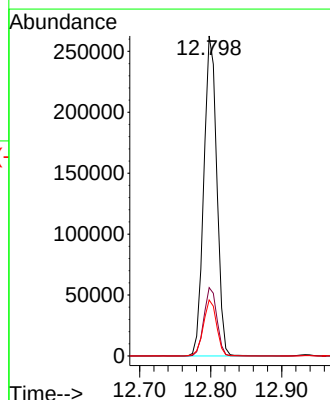
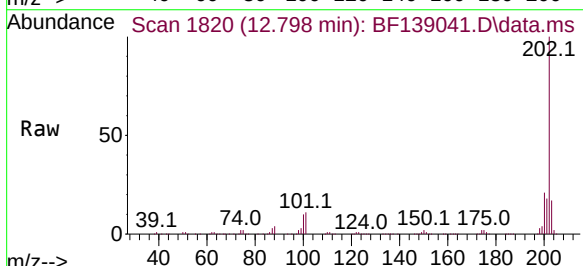
Tgt Ion:202 Resp: 334914

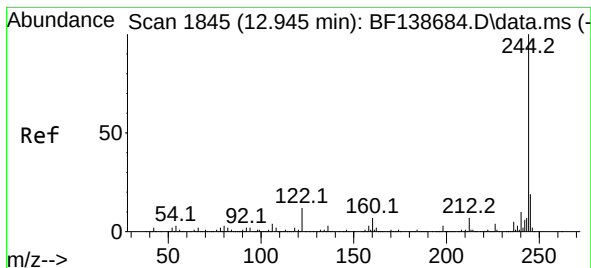
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 64.383 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

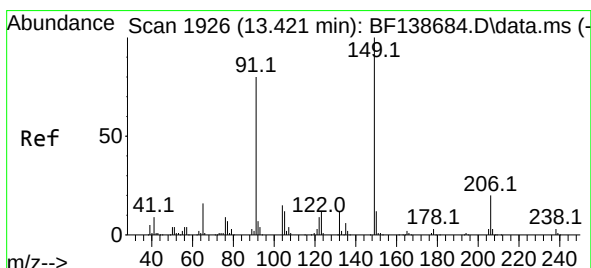
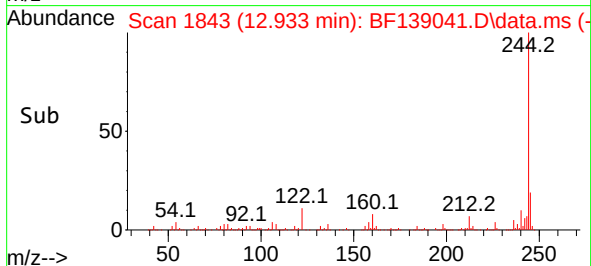
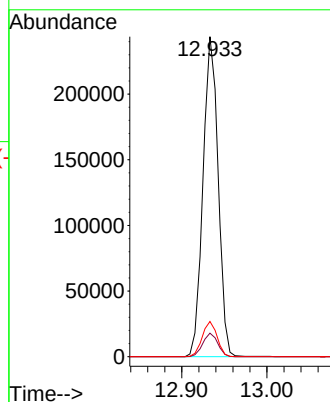
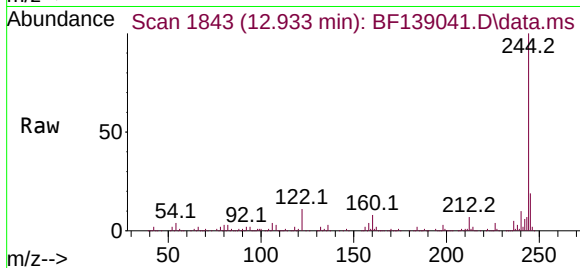
Tgt Ion:244 Resp: 301071

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

122 11.0 9.6 14.4



#80

Butylbenzylphthalate

Concen: 61.169 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

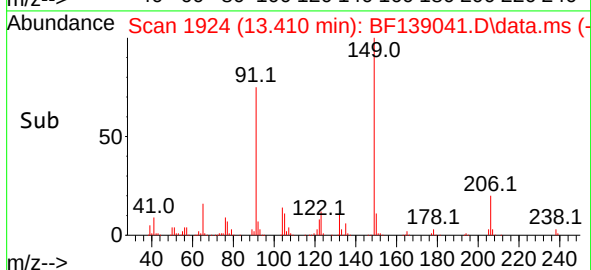
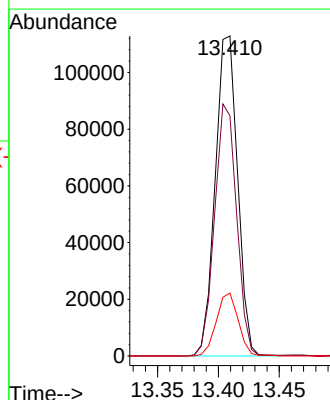
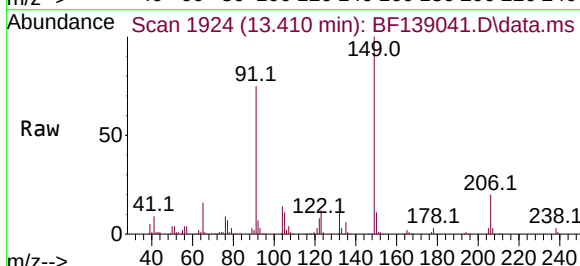
Tgt Ion:149 Resp: 144393

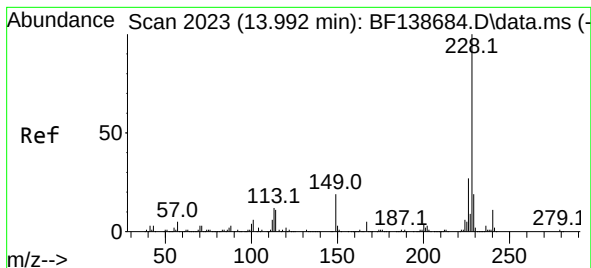
Ion Ratio Lower Upper

149 100

91 75.0 63.7 95.5

206 19.7 16.2 24.2





#81

Benzo(a)anthracene

Concen: 56.710 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

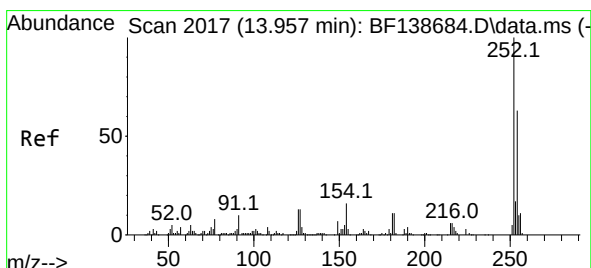
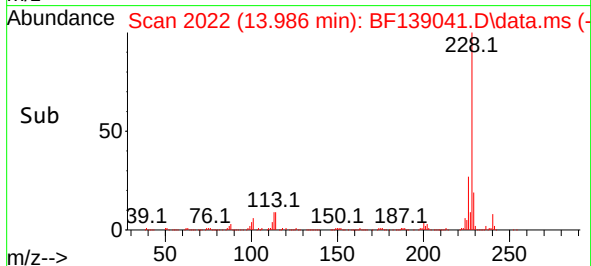
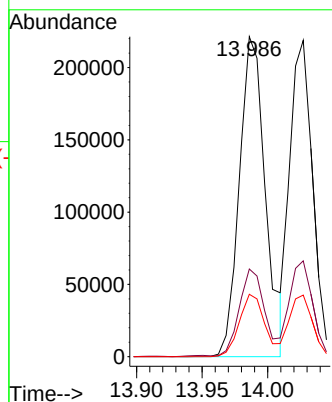
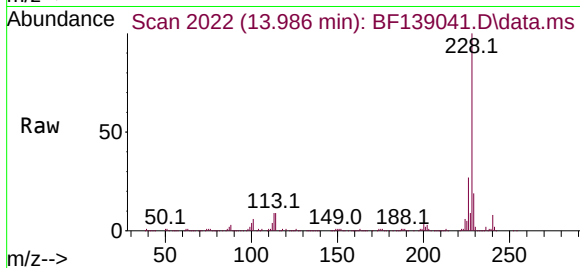
Tgt Ion:228 Resp: 305749

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 19.5 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 37.498 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

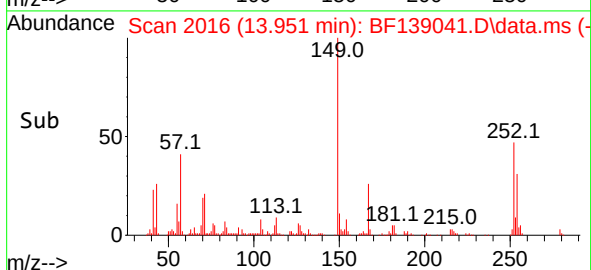
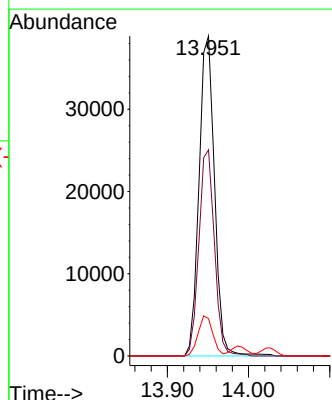
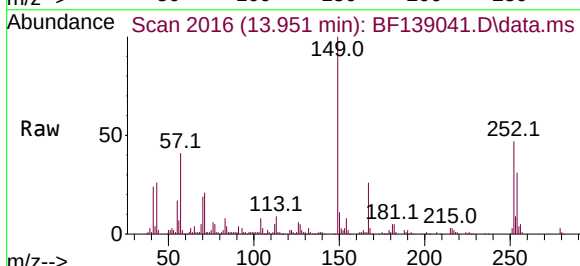
Tgt Ion:252 Resp: 51736

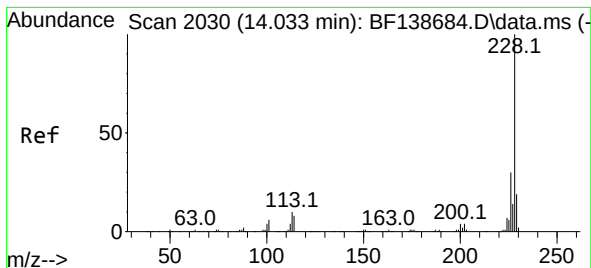
Ion Ratio Lower Upper

252 100

254 64.4 50.8 76.2

126 11.6 10.2 15.2





#83

Chrysene

Concen: 54.088 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

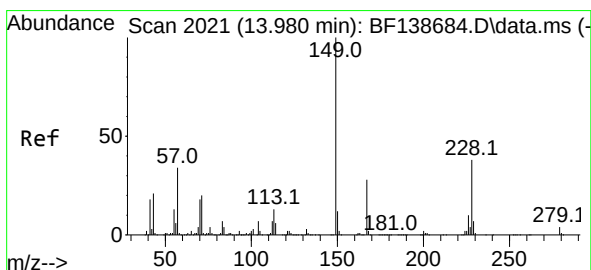
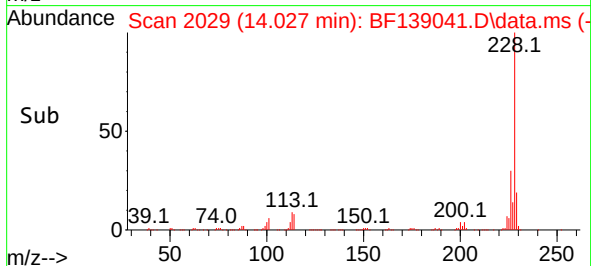
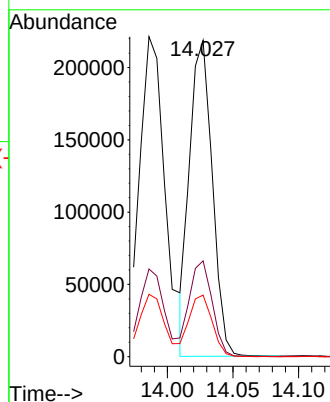
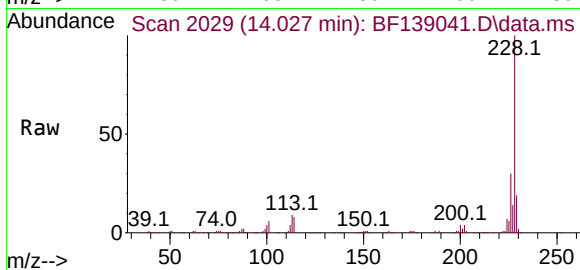
Tgt Ion:228 Resp: 263088

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 19.5 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.756 ng

RT: 13.962 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

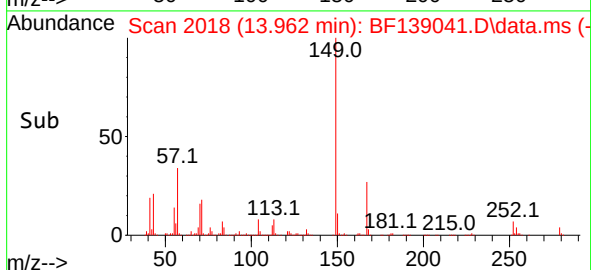
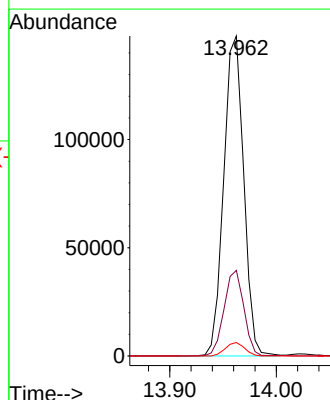
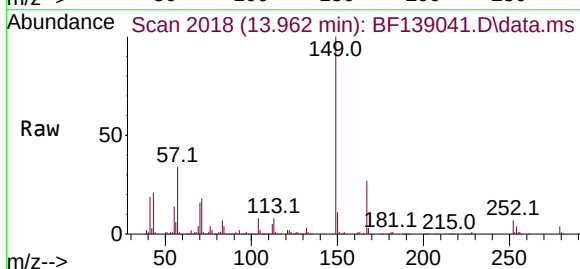
Tgt Ion:149 Resp: 192728

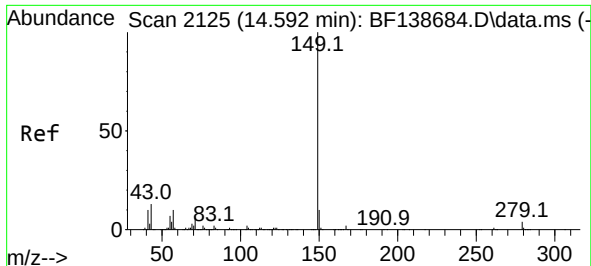
Ion Ratio Lower Upper

149 100

167 26.7 22.2 33.4

279 4.2 3.4 5.0

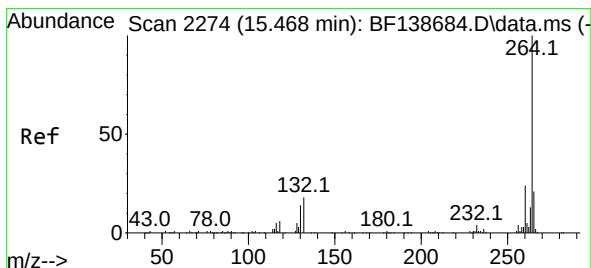
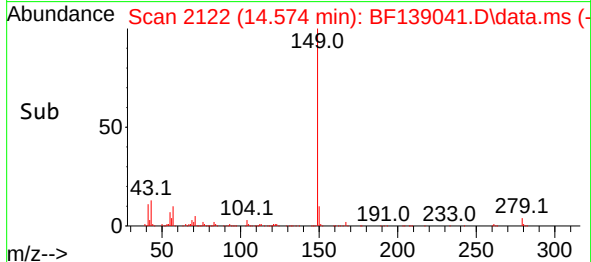
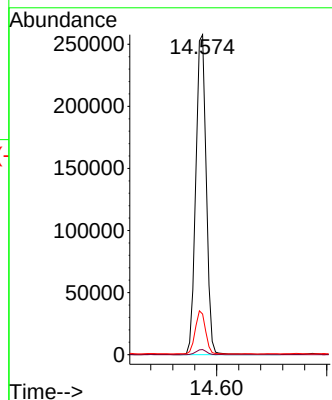
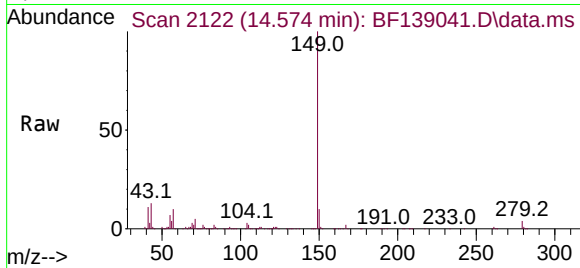




#85
Di-n-octyl phthalate
Concen: 52.983 ng
RT: 14.574 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

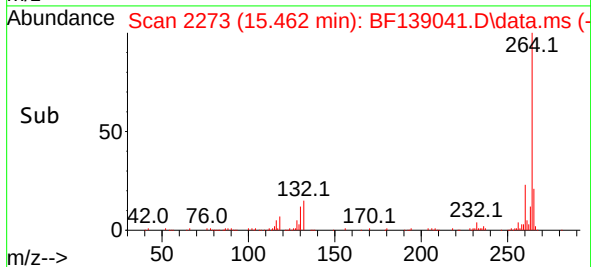
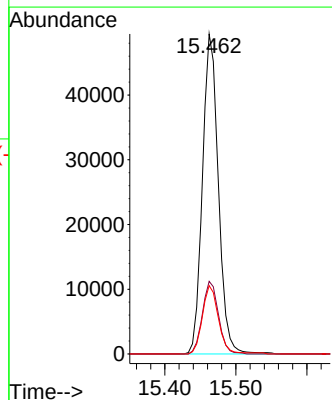
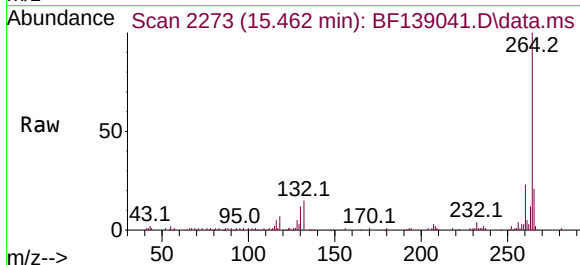
Instrument :
BNA_F
ClientSampleId :
C-SOILMS

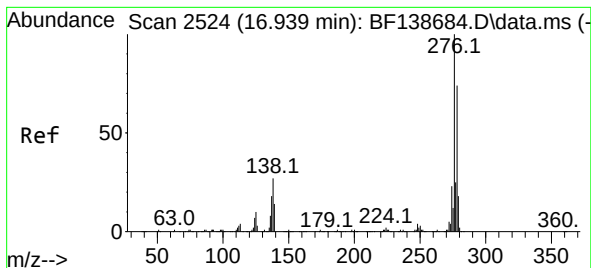
Tgt Ion:149 Resp: 338846
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 13.1 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:264 Resp: 77131
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.951 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

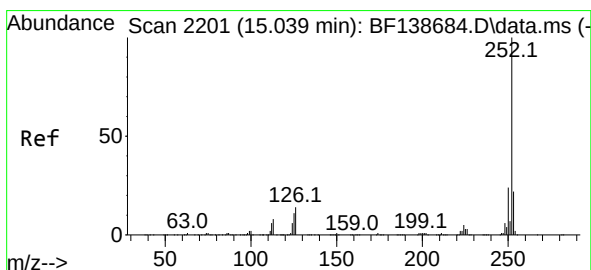
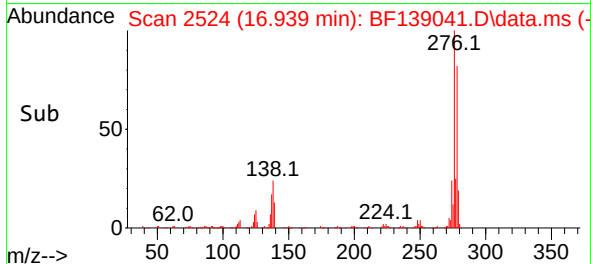
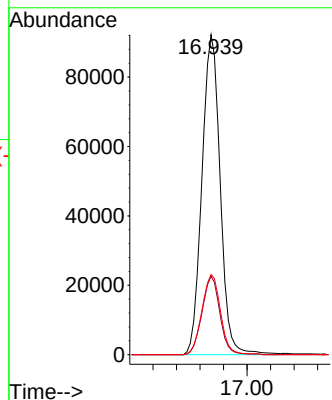
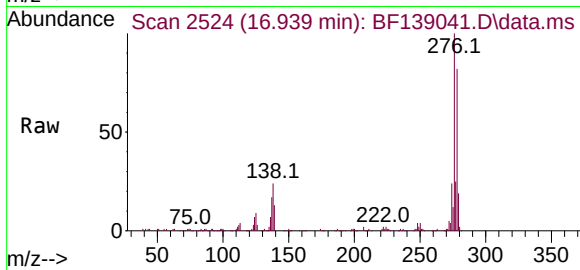
Tgt Ion:276 Resp: 198721

Ion Ratio Lower Upper

276 100

138 23.9 21.8 32.8

277 25.4 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 58.175 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

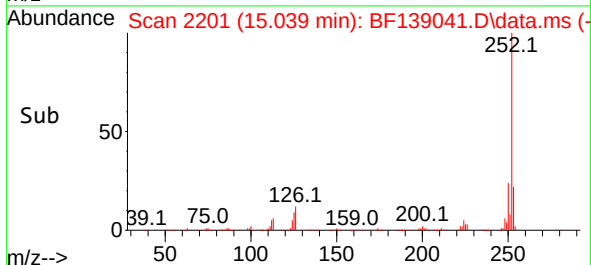
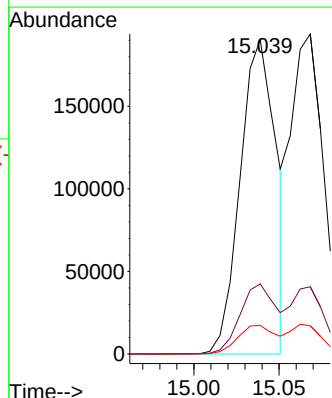
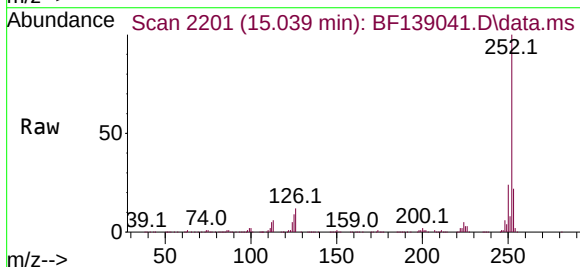
Tgt Ion:252 Resp: 278155

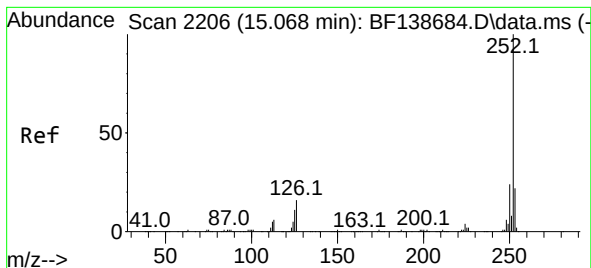
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 9.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 62.559 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

Instrument :

BNA_F

ClientSampleId :

C-SOILMS

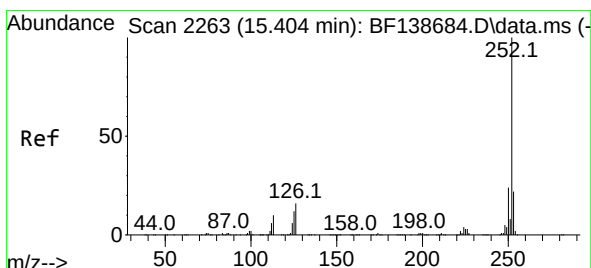
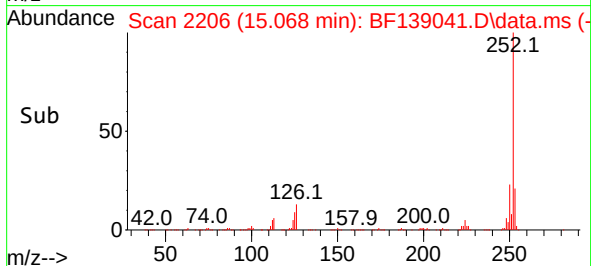
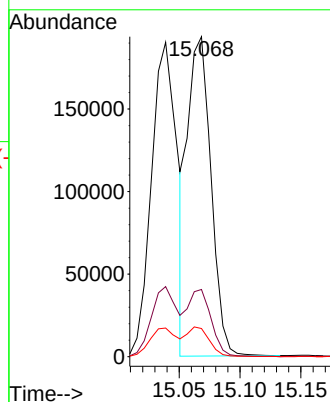
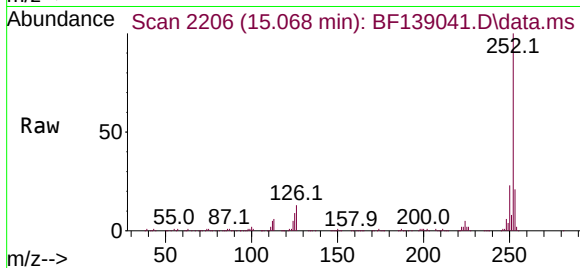
Tgt Ion:252 Resp: 258982

Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.0

125 8.8 8.6 13.0



#90

Benzo(a)pyrene

Concen: 58.712 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BF139041.D

Acq: 16 Aug 2024 00:48

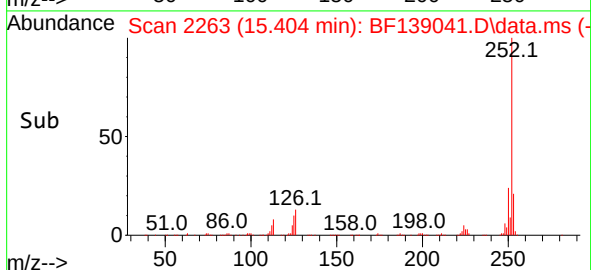
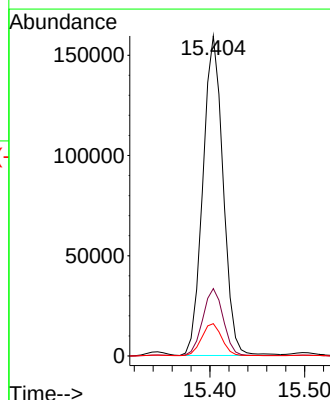
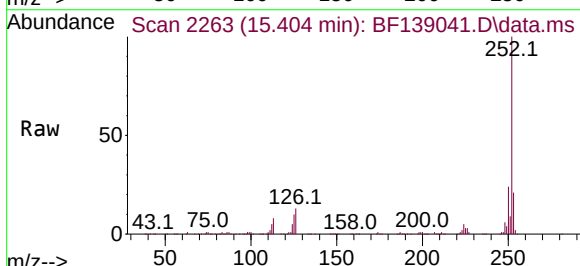
Tgt Ion:252 Resp: 236129

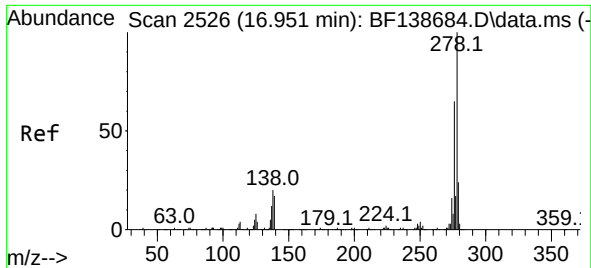
Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 10.1 9.5 14.3

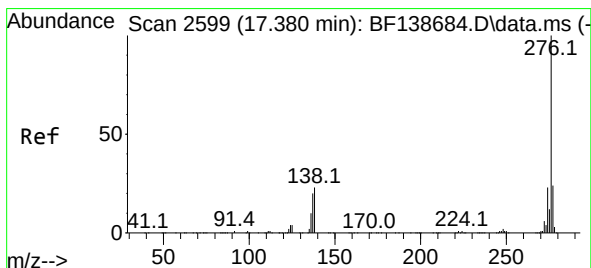
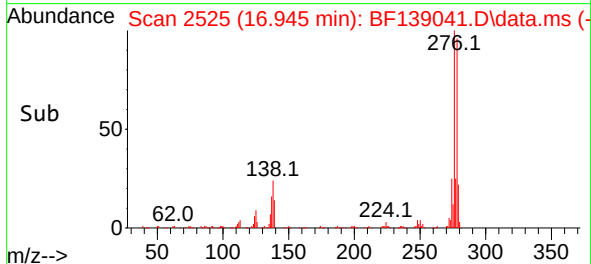
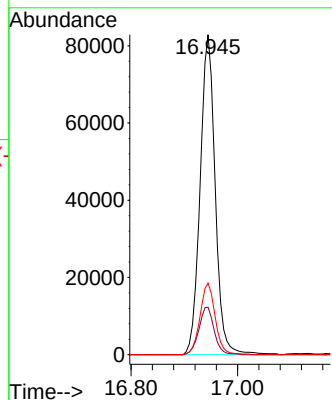
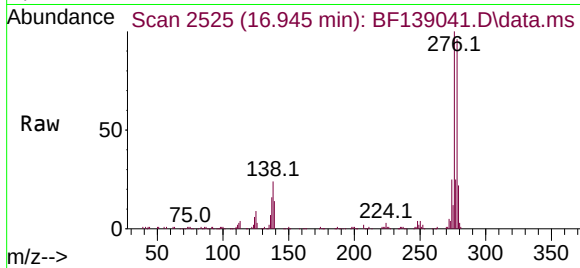




#91
Dibenzo(a,h)anthracene
Concen: 35.890 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Instrument :
BNA_F
ClientSampleId :
C-SOILMS

Tgt Ion:278 Resp: 162844
Ion Ratio Lower Upper
278 100
139 14.8 14.0 21.0
279 22.4 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.341 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF139041.D
Acq: 16 Aug 2024 00:48

Tgt Ion:276 Resp: 147565
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 19.1 18.5 27.7

