

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143331.D
 Acq On : 06 Aug 2025 15:45
 Operator : RC/JU
 Sample : Q2772-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 500-3B-SOILMS

Quant Time: Aug 06 16:05:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	83548	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	318273	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	135522	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	189220	20.000	ng	# 0.01
76) Chrysene-d12	14.139	240	180908	20.000	ng	0.02
86) Perylene-d12	15.639	264	173032	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	441754	83.672	ng	0.02
7) Phenol-d6	6.593	99	550607	82.856	ng	0.00
23) Nitrobenzene-d5	7.522	82	372715	58.374	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	121318	86.655	ng	0.01
45) 2-Fluorobiphenyl	9.316	172	649477	65.542	ng	0.00
79) Terphenyl-d14	13.080	244	533426	43.878	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.875	88	123618	49.483	ng	99
3) Pyridine	3.640	79	305588	47.128	ng	98
4) n-Nitrosodimethylamine	3.581	42	170210	50.843	ng	98
6) Aniline	6.622	93	198346	21.416	ng	# 78
8) 2-Chlorophenol	6.751	128	267648	48.363	ng	98
9) Benzaldehyde	6.510	77	169731	34.062	ng	97
10) Phenol	6.610	94	328130	45.325	ng	92
11) bis(2-Chloroethyl)ether	6.693	93	249024	44.926	ng	99
12) 1,3-Dichlorobenzene	6.904	146	274048	45.585	ng	99
13) 1,4-Dichlorobenzene	6.981	146	273114	45.111	ng	99
14) 1,2-Dichlorobenzene	7.134	146	268736	46.669	ng	99
15) Benzyl Alcohol	7.098	79	250709	49.410	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	520173	50.588	ng	96
17) 2-Methylphenol	7.216	107	214109	46.013	ng	97
18) Hexachloroethane	7.475	117	94758	45.211	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	198798	46.628	ng	99
20) 3+4-Methylphenols	7.363	107	268647	47.585	ng	# 71
22) Acetophenone	7.363	105	367312	48.746	ng	96
24) Nitrobenzene	7.540	77	287082	48.226	ng	100
25) Isophorone	7.781	82	541107	48.006	ng	99
26) 2-Nitrophenol	7.857	139	133807	51.793	ng	99
27) 2,4-Dimethylphenol	7.892	122	232975	44.240	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	305483	45.203	ng	99
29) 2,4-Dichlorophenol	8.104	162	195361	43.989	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	212402	44.269	ng	100
31) Naphthalene	8.269	128	718797	45.858	ng	100
32) Benzoic acid	7.998	122	115098	39.792	ng	98
33) 4-Chloroaniline	8.310	127	83302	13.015	ng	99
34) Hexachlorobutadiene	8.387	225	135802	46.334	ng	98
35) Caprolactam	8.675	113	67103	50.001	ng	98
36) 4-Chloro-3-methylphenol	8.792	107	207991	43.088	ng	99
37) 2-Methylnaphthalene	8.957	142	442821	46.426	ng	100
38) 1-Methylnaphthalene	9.057	142	416580	42.413	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	201408	51.476	ng	99
41) Hexachlorocyclopentadiene	9.116	237	137601	54.049	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	144499	53.362	ng	99

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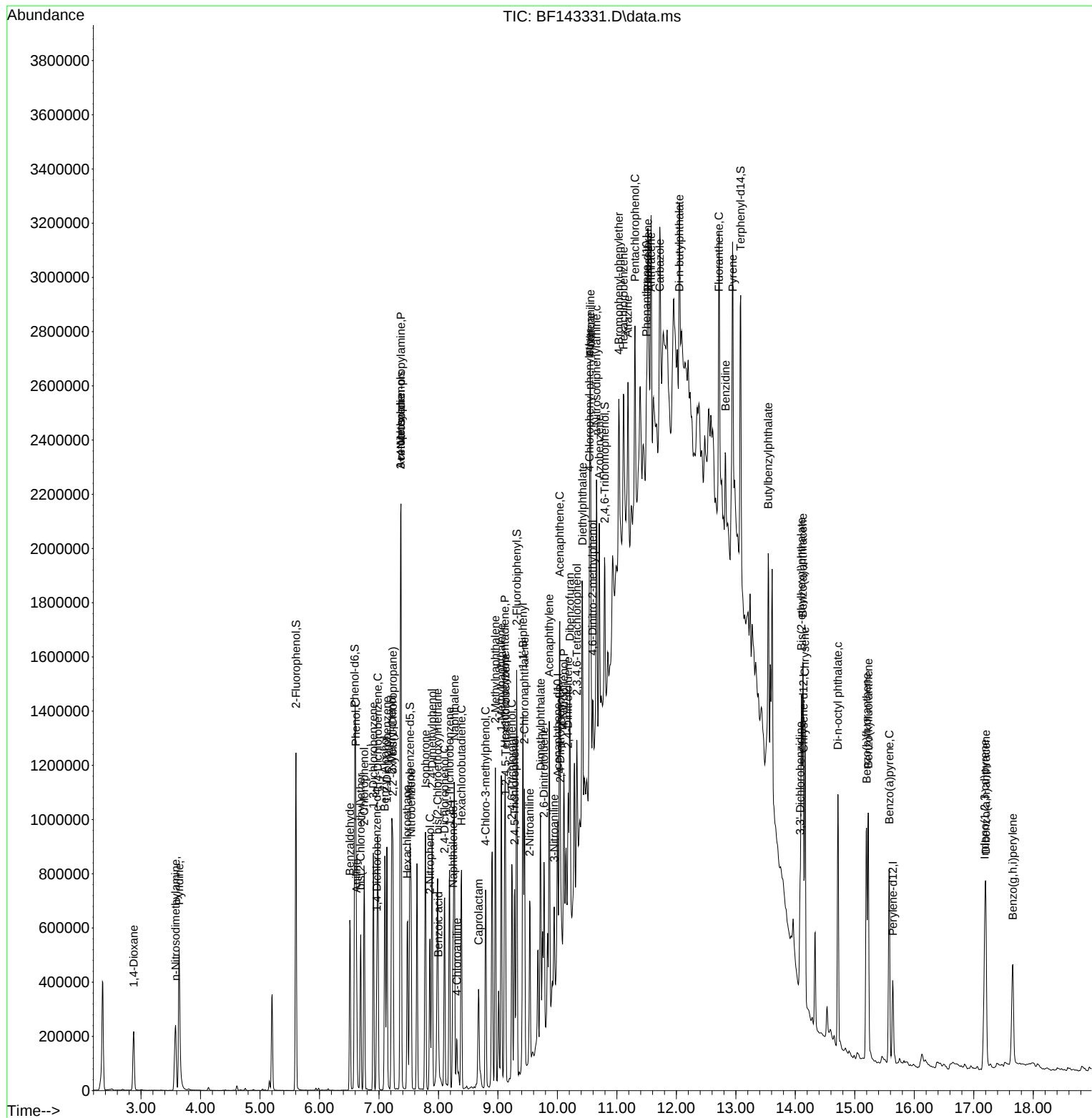
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.281	196	151492	55.928	ng	99
46) 1,1'-Biphenyl	9.422	154	587002	55.517	ng	99
47) 2-Chloronaphthalene	9.445	162	404982	51.765	ng	100
48) 2-Nitroaniline	9.534	65	148786	60.644	ng	98
49) Acenaphthylene	9.863	152	656717	50.089	ng	100
50) Dimethylphthalate	9.716	163	456986	51.732	ng	99
51) 2,6-Dinitrotoluene	9.775	165	106642	59.343	ng	97
52) Acenaphthene	10.039	154	415166	53.575	ng	98
53) 3-Nitroaniline	9.945	138	74337	35.366	ng	# 99
54) 2,4-Dinitrophenol	10.051	184	40659	52.427	ng	# 20
55) Dibenzofuran	10.210	168	527747	45.870	ng	99
56) 4-Nitrophenol	10.110	139	152065	96.881	ng	93
57) 2,4-Dinitrotoluene	10.181	165	125866	55.827	ng	93
58) Fluorene	10.557	166	407663	47.211	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	96448	42.984	ng	# 97
60) Diethylphthalate	10.422	149	451604	51.723	ng	98
61) 4-Chlorophenyl-phenyle...	10.539	204	201125	46.777	ng	95
62) 4-Nitroaniline	10.557	138	82536	45.816	ng	96
63) Azobenzene	10.704	77	420219	46.178	ng	96
65) 4,6-Dinitro-2-methylph...	10.592	198	30793	32.955	ng	# 63
66) n-Nitrosodiphenylamine	10.657	169	353933	53.119	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	129004	57.208	ng	95
68) Hexachlorobenzene	11.110	284	125882	53.409	ng	97
69) Atrazine	11.186	200	116730	63.546	ng	95
70) Pentachlorophenol	11.304	266	135615	97.841	ng	97
71) Phenanthrene	11.522	178	481334	47.908	ng	97
72) Anthracene	11.575	178	506960	49.475	ng	98
73) Carbazole	11.722	167	467444	52.243	ng	# 96
74) Di-n-butylphthalate	12.051	149	564030	55.712	ng	97
75) Fluoranthene	12.716	202	563609	61.117	ng	97
77) Benzidine	12.827	184	190472	27.328	ng	# 96
78) Pyrene	12.945	202	622342	40.308	ng	99
80) Butylbenzylphthalate	13.545	149	264530	55.952	ng	100
81) Benzo(a)anthracene	14.127	228	599989	49.537	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	102359	25.357	ng	99
83) Chrysene	14.163	228	519816	47.735	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	389576	54.441	ng	99
85) Di-n-octyl phthalate	14.716	149	629648	48.542	ng	99
87) Indeno(1,2,3-cd)pyrene	17.186	276	448933	36.795	ng	100
88) Benzo(b)fluoranthene	15.198	252	560934	53.065	ng	99
89) Benzo(k)fluoranthene	15.227	252	513796	54.469	ng	99
90) Benzo(a)pyrene	15.580	252	469856	48.243	ng	100
91) Dibenzo(a,h)anthracene	17.204	278	357630	36.012	ng	99
92) Benzo(g,h,i)perylene	17.657	276	358791	37.349	ng	99

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

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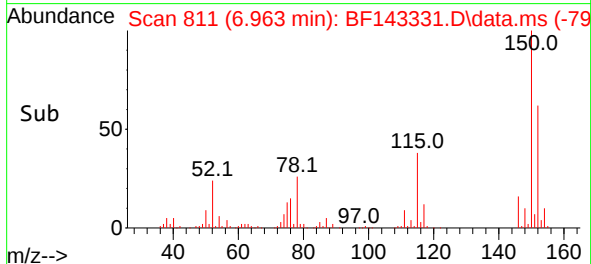
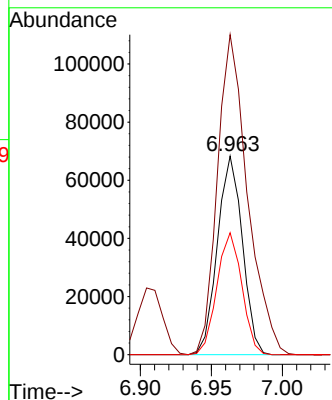
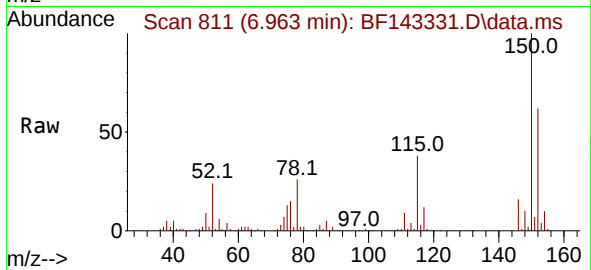




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143331.D
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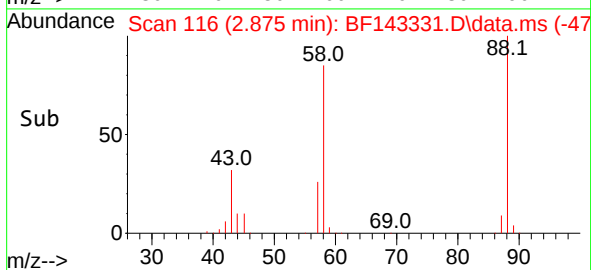
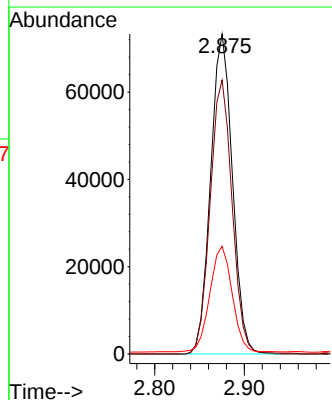
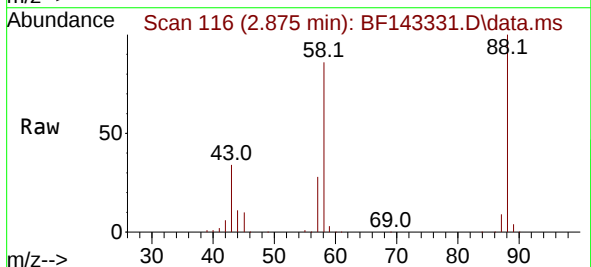
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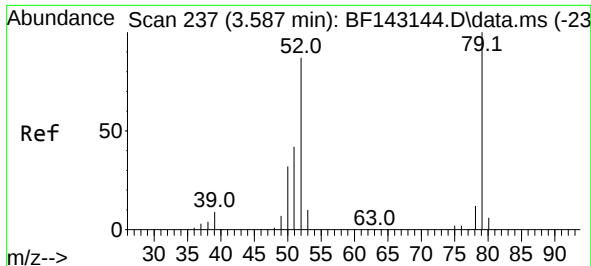
Tgt Ion:152 Resp: 83548
 Ion Ratio Lower Upper
 152 100
 150 161.1 128.2 192.4
 115 61.4 47.9 71.9



#2
 1,4-Dioxane
 Concen: 49.483 ng
 RT: 2.875 min Scan# 116
 Delta R.T. 0.053 min
 Lab File: BF143331.D
 Acq: 06 Aug 2025 15:45

Tgt Ion: 88 Resp: 123618
 Ion Ratio Lower Upper
 88 100
 58 86.4 70.2 105.2
 43 34.4 27.1 40.7

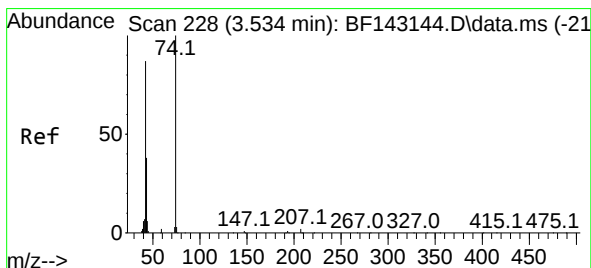
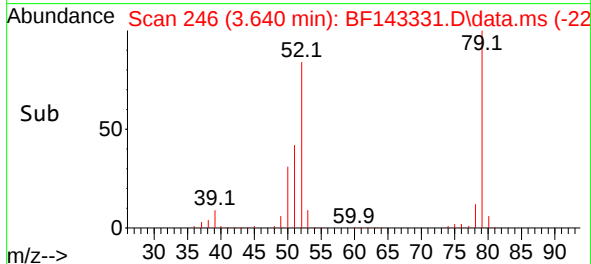
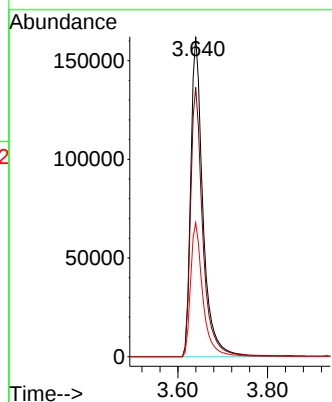
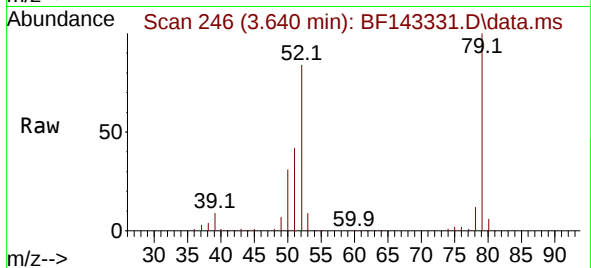




#3
Pyridine
Concen: 47.128 ng
RT: 3.640 min Scan# 246
Delta R.T. 0.053 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

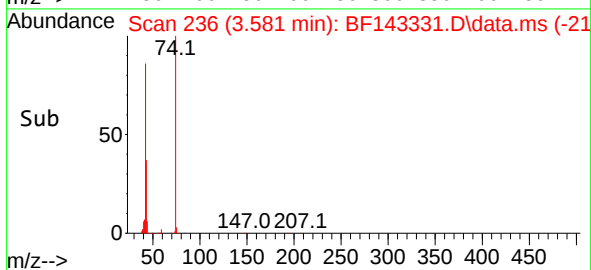
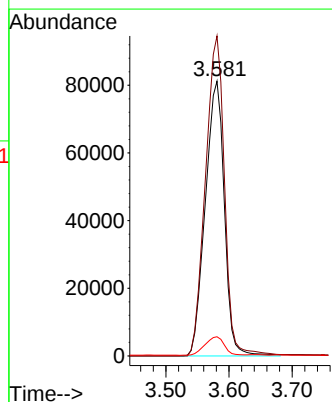
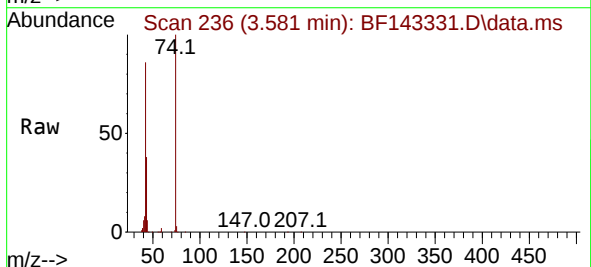
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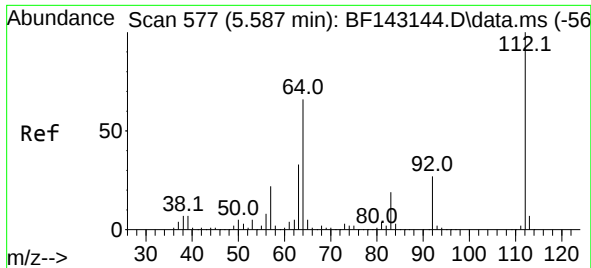
Tgt Ion: 79 Resp: 305588
Ion Ratio Lower Upper
79 100
52 84.2 69.4 104.2
51 41.8 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 50.843 ng
RT: 3.581 min Scan# 236
Delta R.T. 0.047 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion: 42 Resp: 170210
Ion Ratio Lower Upper
42 100
74 116.4 91.7 137.5
44 7.0 5.6 8.4

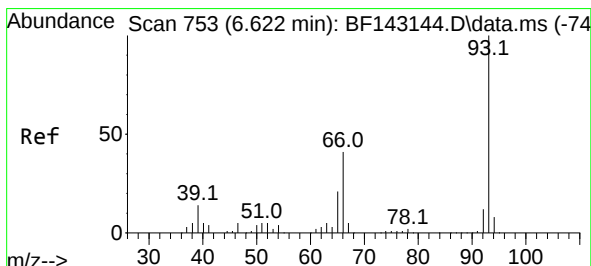
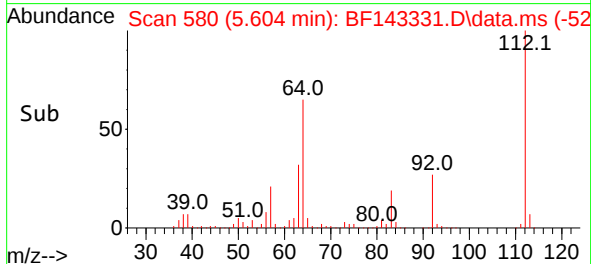
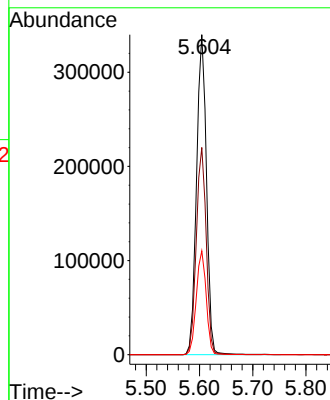
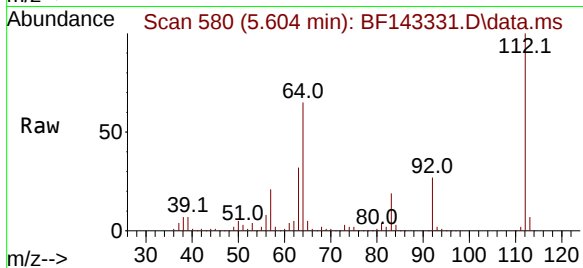




#5
2-Fluorophenol
Concen: 83.672 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

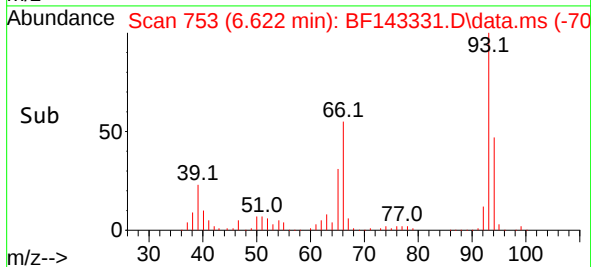
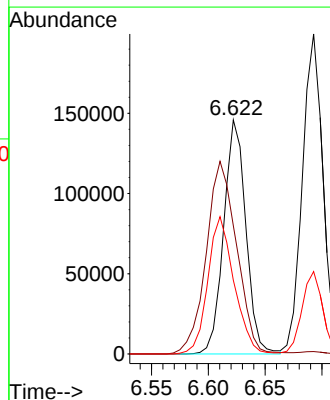
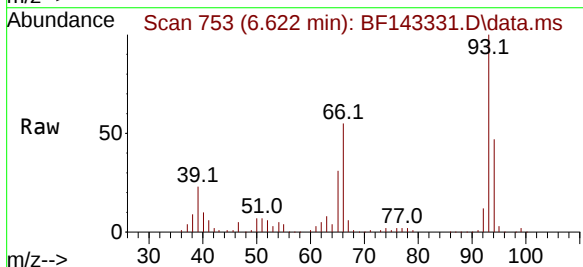
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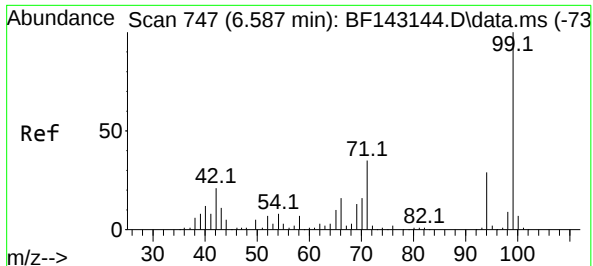
Tgt Ion:112 Resp: 441754
Ion Ratio Lower Upper
112 100
64 64.8 53.1 79.7
63 32.5 26.6 40.0



#6
Aniline
Concen: 21.416 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion: 93 Resp: 198346
Ion Ratio Lower Upper
93 100
66 54.8 33.2 49.8#
65 31.5 16.9 25.3#





#7

Phenol-d6

Concen: 82.856 ng

RT: 6.593 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

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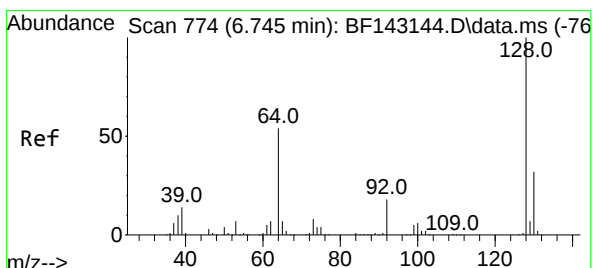
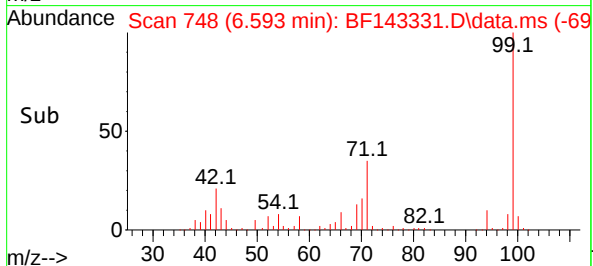
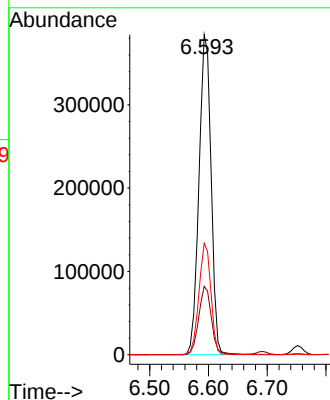
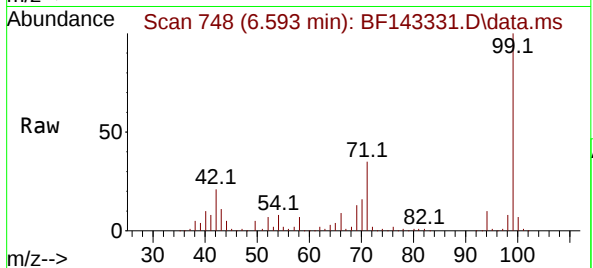
Tgt Ion: 99 Resp: 550607

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.6

71 34.8 27.7 41.5



#8

2-Chlorophenol

Concen: 48.363 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143331.D

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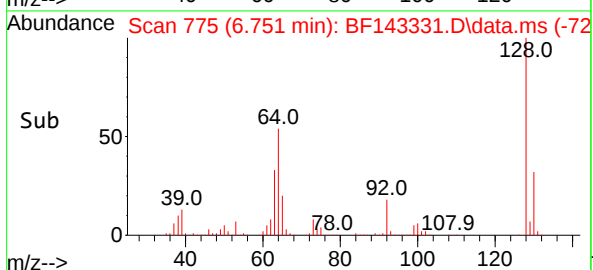
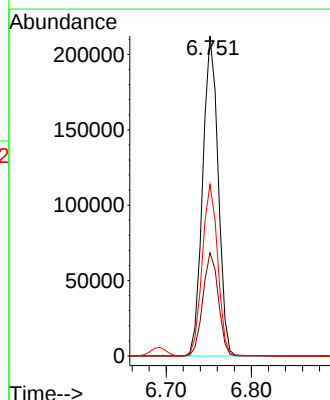
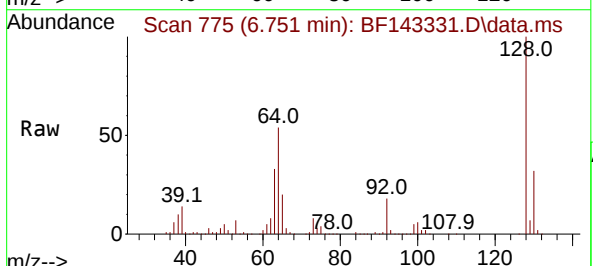
Tgt Ion: 128 Resp: 267648

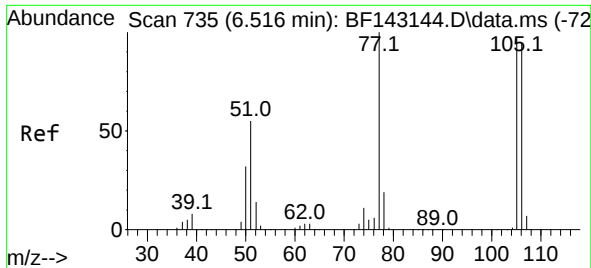
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 53.6 35.9 75.9

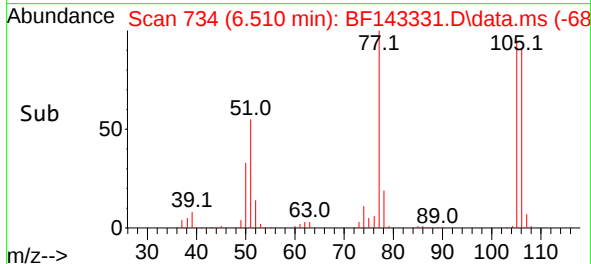
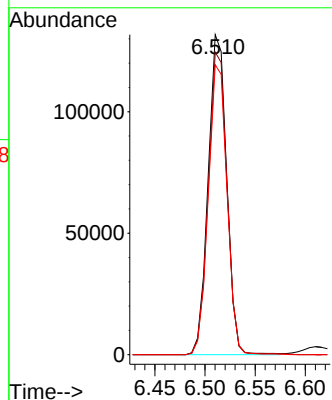
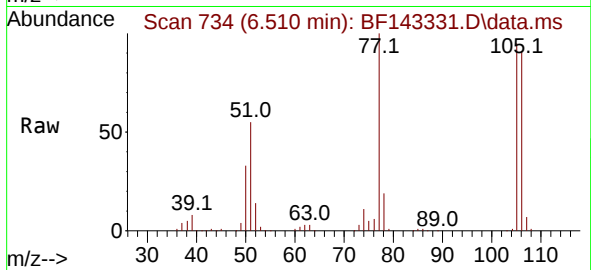




#9
Benzaldehyde
Concen: 34.062 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143331.D
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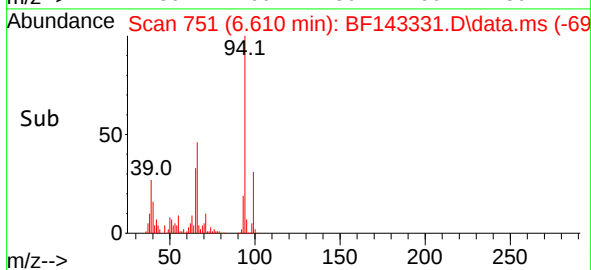
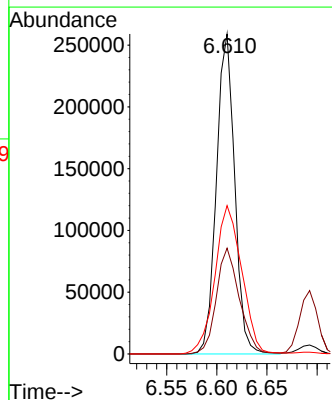
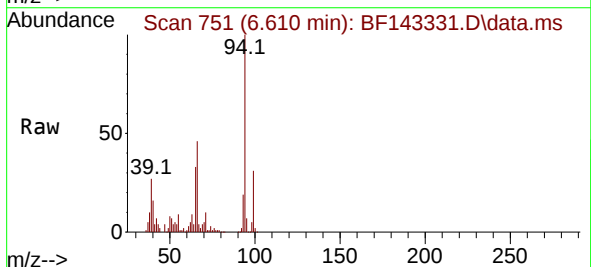
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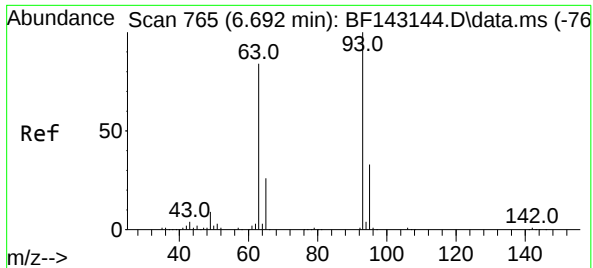
Tgt Ion: 77 Resp: 169731
Ion Ratio Lower Upper
77 100
105 94.6 76.8 116.8
106 90.6 74.4 114.4



#10
Phenol
Concen: 45.325 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
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Tgt Ion: 94 Resp: 328130
Ion Ratio Lower Upper
94 100
65 33.0 10.0 50.0
66 46.4 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 44.926 ng

RT: 6.693 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143331.D

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Instrument :

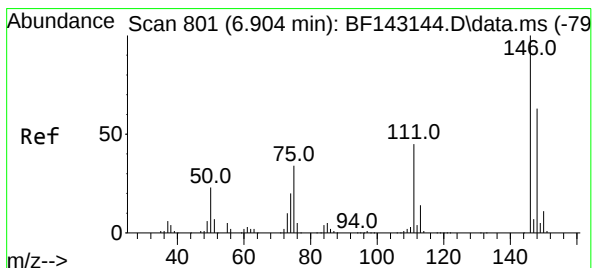
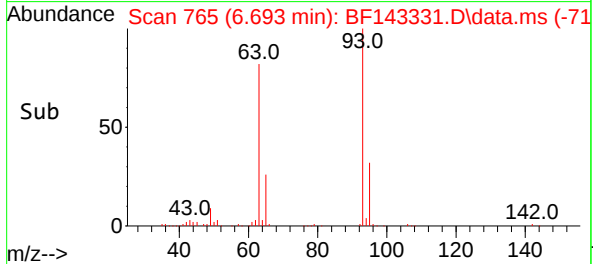
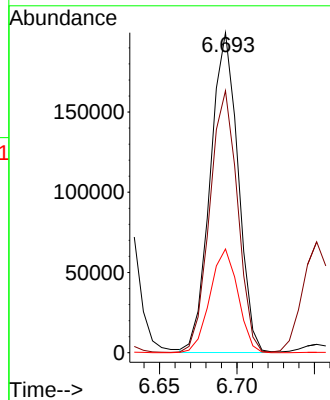
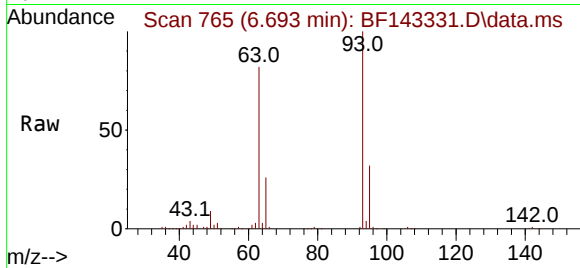
BNA_F

ClientSampleId :

500-3B-SOILMS

Tgt Ion: 93 Resp: 249024

Ion	Ratio	Lower	Upper
93	100		
63	81.9	63.4	103.4
95	32.4	12.4	52.4



#12

1,3-Dichlorobenzene

Concen: 45.585 ng

RT: 6.904 min Scan# 801

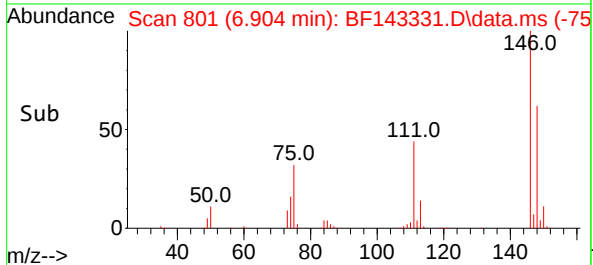
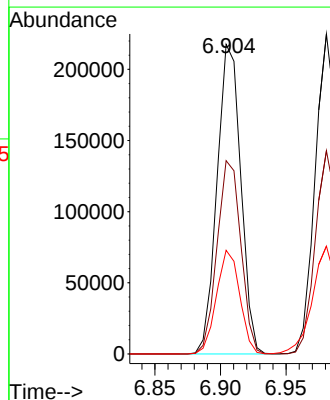
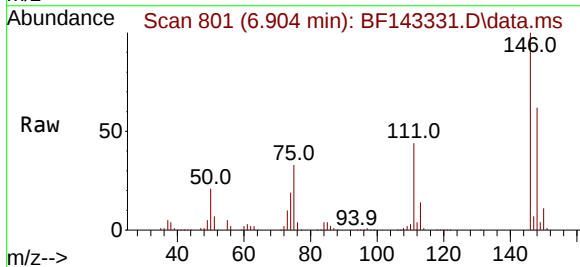
Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Tgt Ion: 146 Resp: 274048

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.6	76.0
75	33.5	27.4	41.2

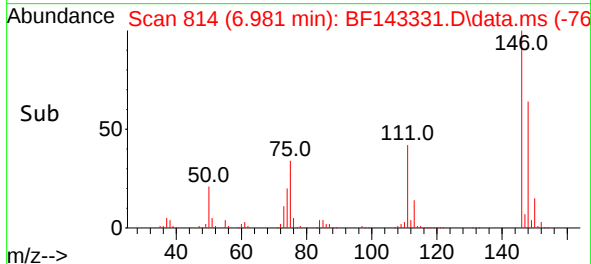
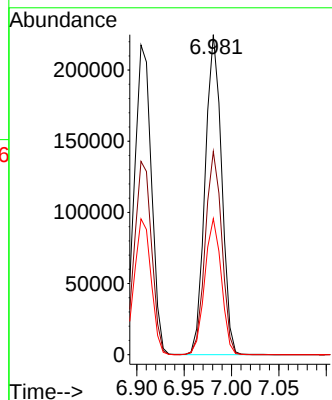
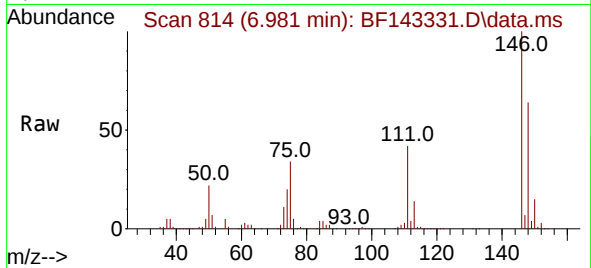




#13
1,4-Dichlorobenzene
Concen: 45.111 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

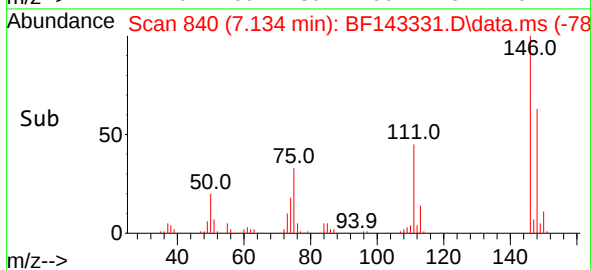
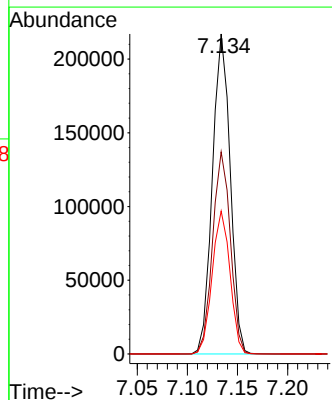
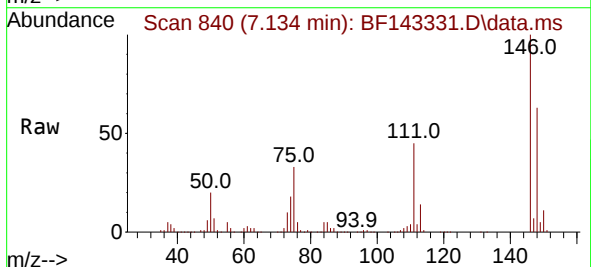
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

Tgt Ion:146 Resp: 273114
Ion Ratio Lower Upper
146 100
148 63.5 50.3 75.5
111 42.5 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 46.669 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:146 Resp: 268736
Ion Ratio Lower Upper
146 100
148 63.1 50.7 76.1
111 44.7 36.6 54.8

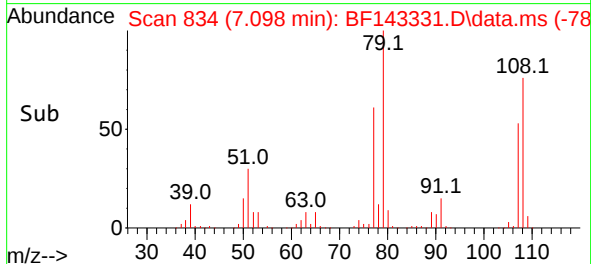
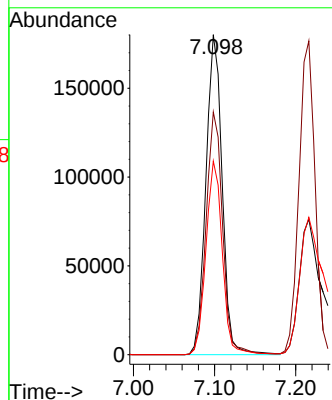
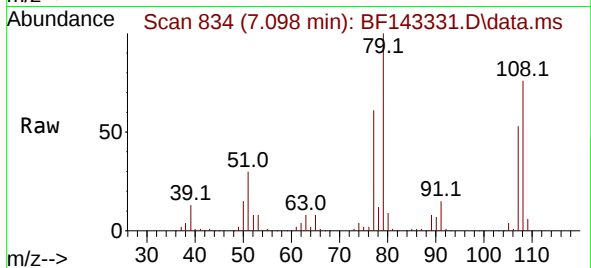




#15
Benzyl Alcohol
Concen: 49.410 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

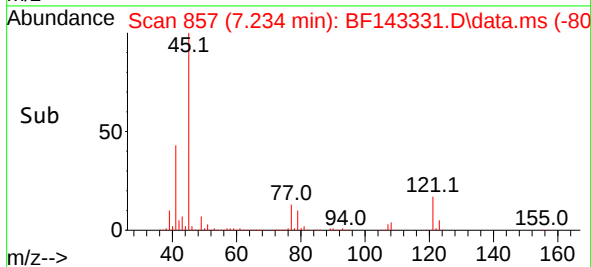
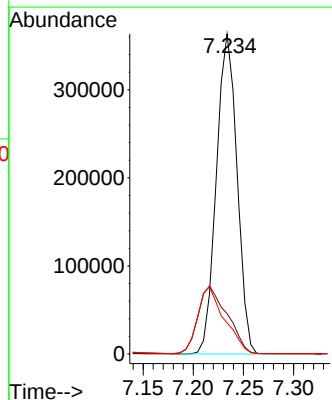
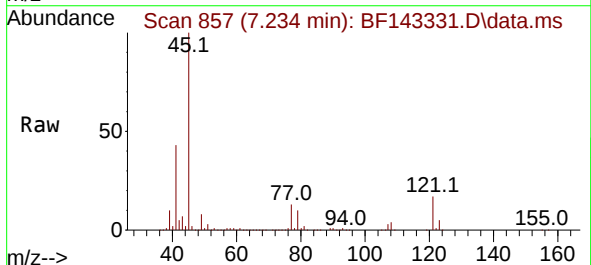
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

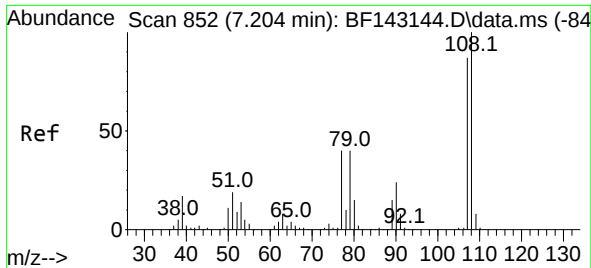
Tgt Ion: 79 Resp: 250709
Ion Ratio Lower Upper
79 100
108 75.8 61.1 91.7
77 60.5 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 50.588 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion: 45 Resp: 520173
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.2
79 9.7 0.0 28.5

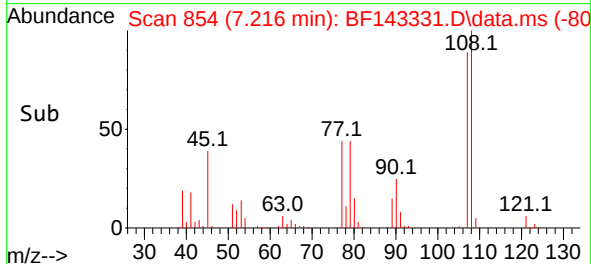
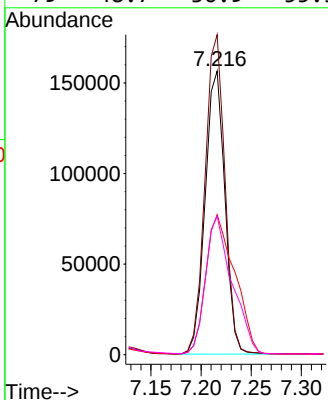
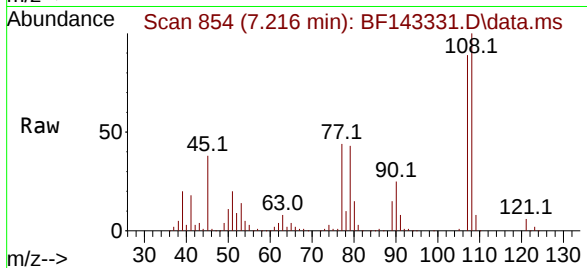




#17
2-Methylphenol
Concen: 46.013 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

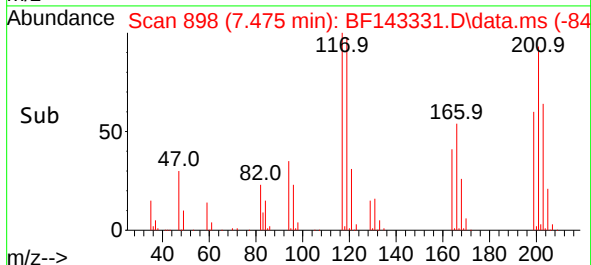
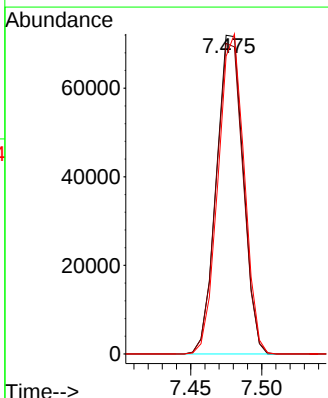
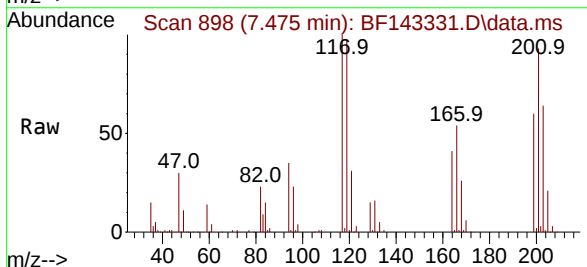
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

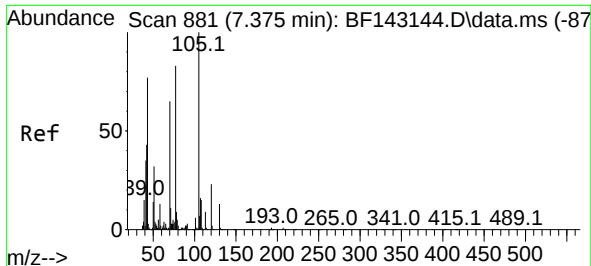
Tgt Ion:	107	Resp:	214109
Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.8	137.6
77	49.4	37.0	55.6
79	48.7	36.9	55.3



#18
Hexachloroethane
Concen: 45.211 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:	117	Resp:	94758
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.8	116.8
201	93.4	77.0	115.4

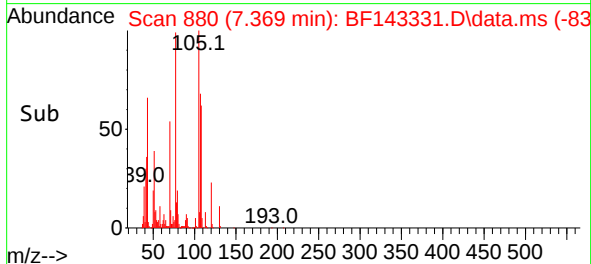
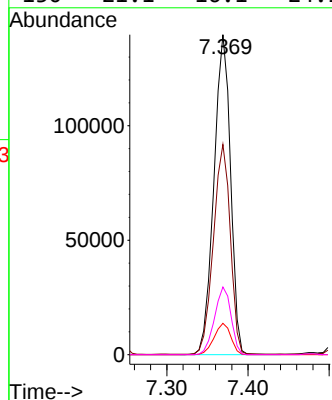
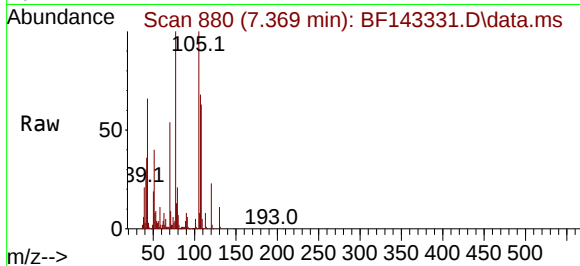




#19
n-Nitroso-di-n-propylamine
Concen: 46.628 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

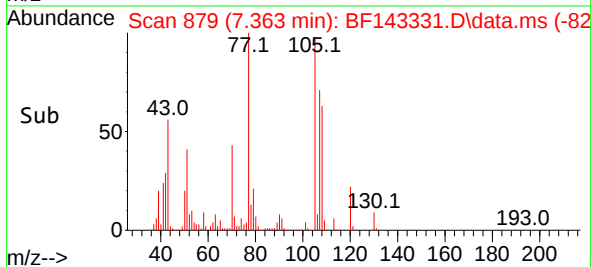
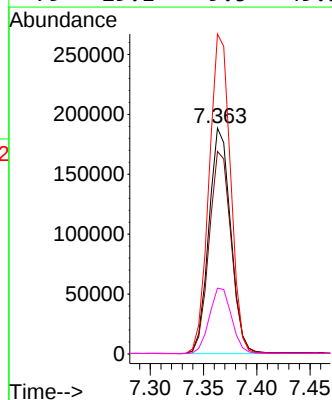
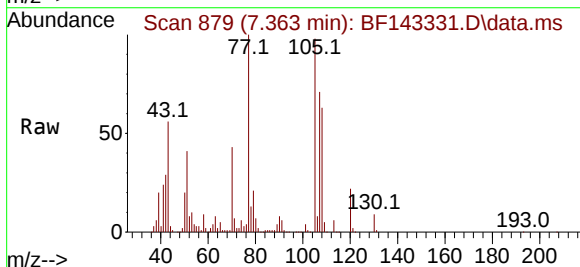
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

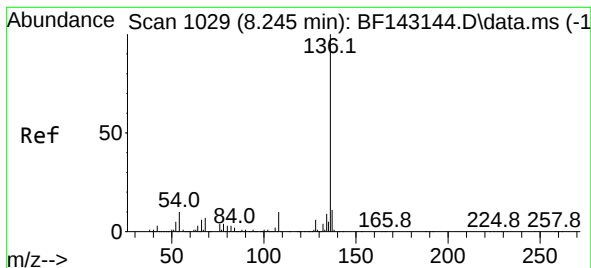
Tgt Ion:	70	Resp:	198798
Ion	Ratio	Lower	Upper
70	100		
42	65.7	52.5	78.7
101	9.8	7.6	11.4
130	21.1	16.1	24.1



#20
3+4-Methylphenols
Concen: 47.585 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:	107	Resp:	268647
Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.0	110.0
77	141.7	57.8	97.8#
79	29.1	9.5	49.5



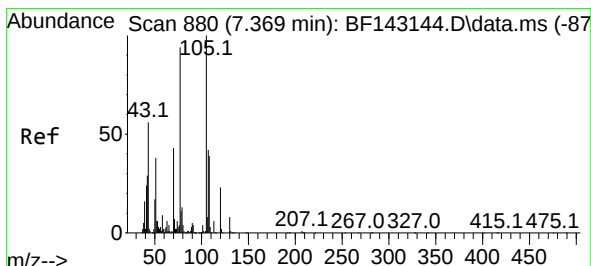
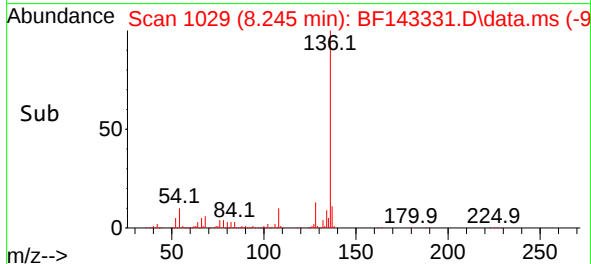
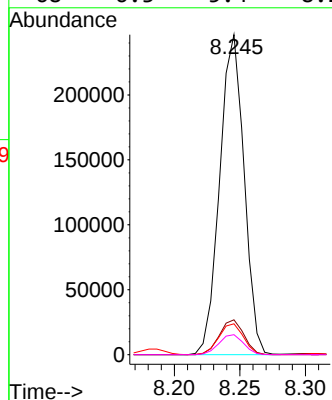
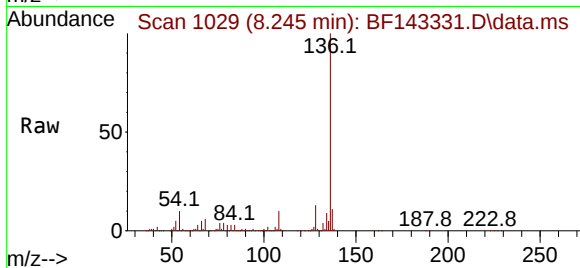


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

Tgt Ion:136 Resp: 318273

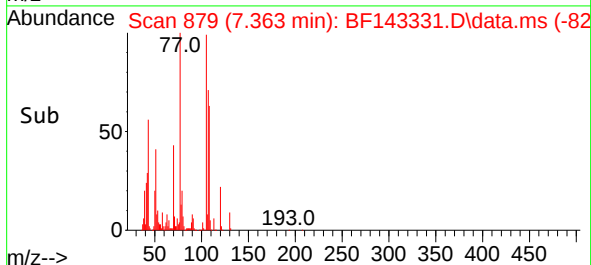
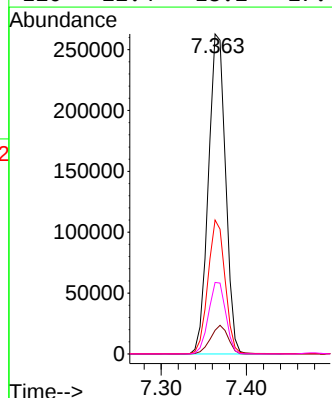
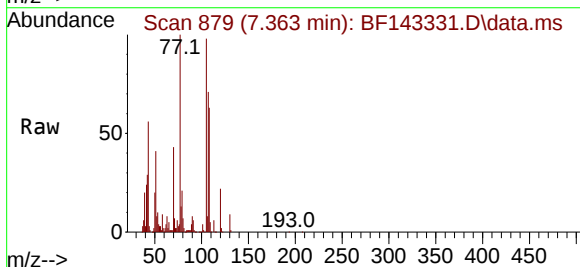
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.7	8.2	12.2
68	6.3	5.4	8.2

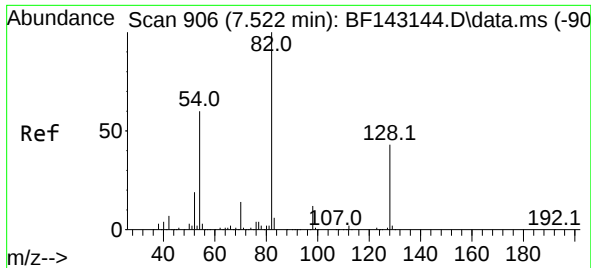


#22
Acetophenone
Concen: 48.746 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:105 Resp: 367312

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.6
51	41.8	30.2	45.2
120	22.4	18.2	27.4

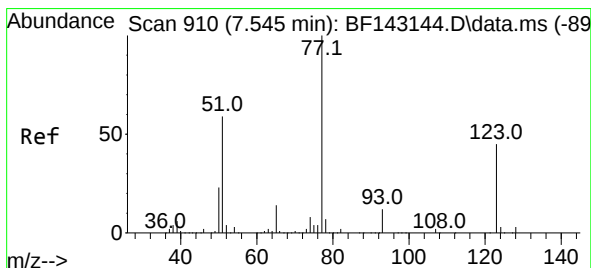
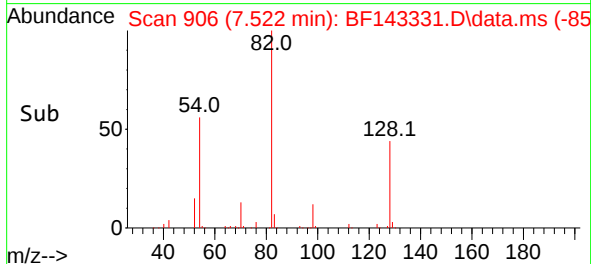
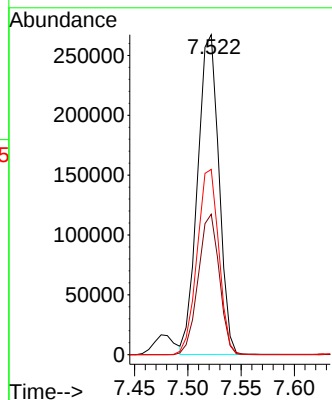
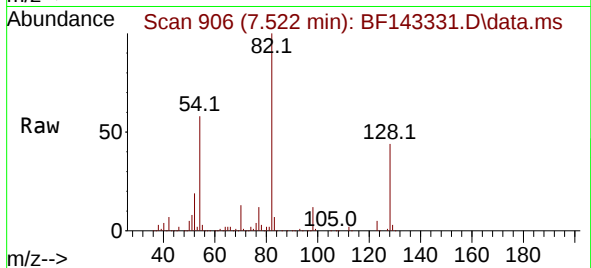




#23
Nitrobenzene-d5
Concen: 58.374 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

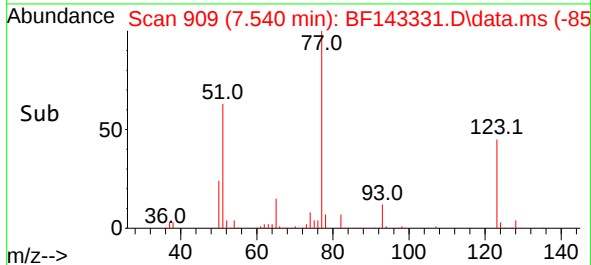
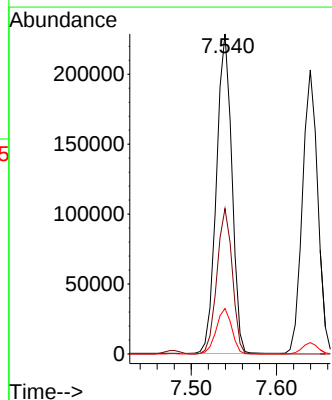
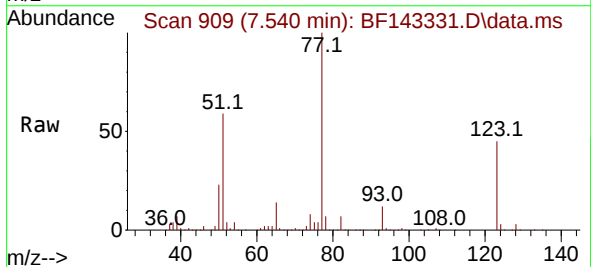
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

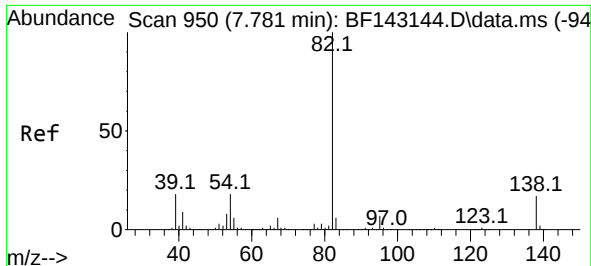
Tgt Ion: 82 Resp: 372715
Ion Ratio Lower Upper
82 100
128 43.9 33.6 50.4
54 57.9 47.1 70.7



#24
Nitrobenzene
Concen: 48.226 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion: 77 Resp: 287082
Ion Ratio Lower Upper
77 100
123 45.5 36.1 54.1
65 14.2 11.4 17.2

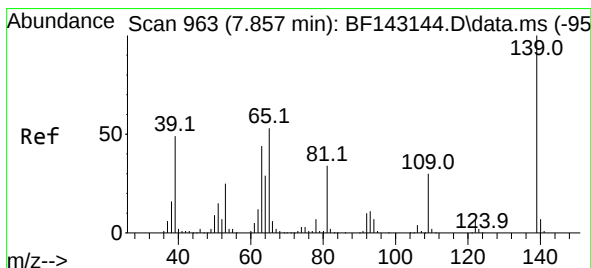
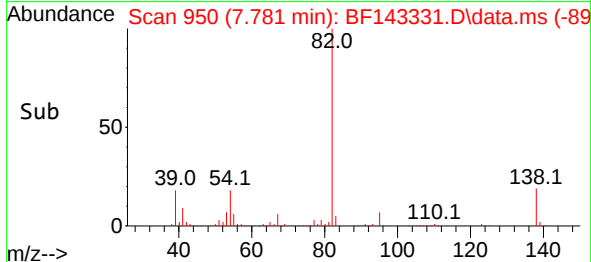
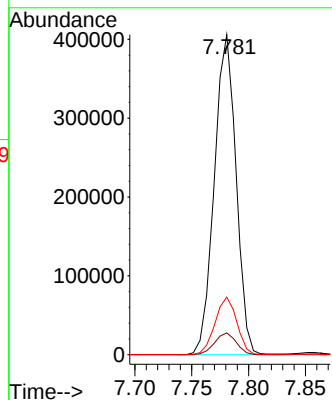
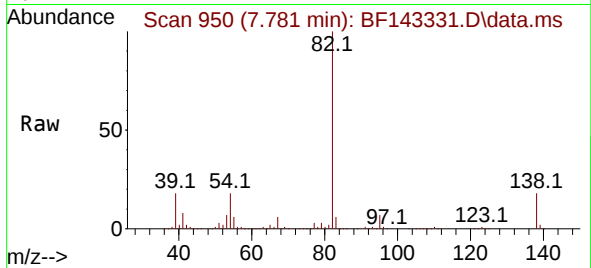




#25
Isophorone
Concen: 48.006 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

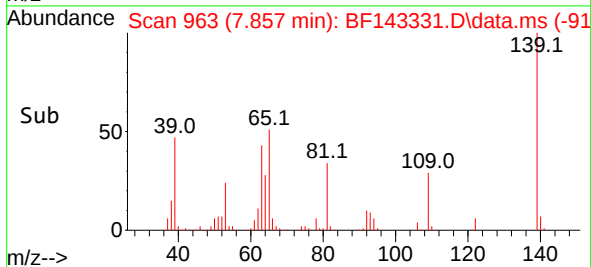
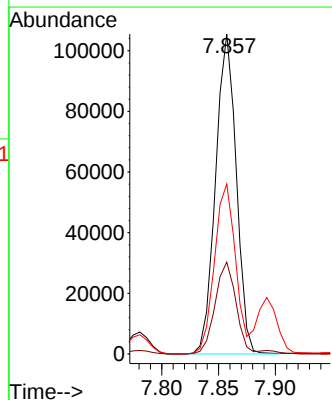
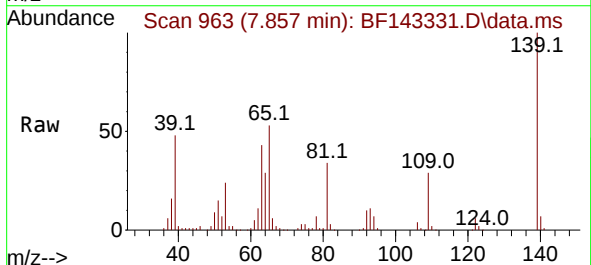
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

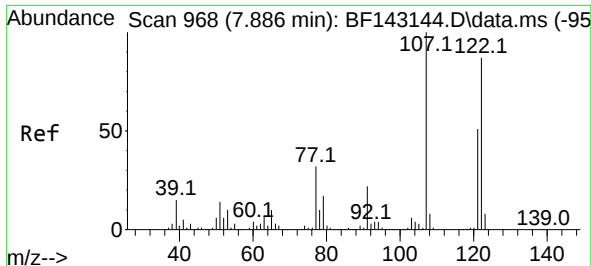
Tgt Ion: 82 Resp: 541107
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 18.0 13.8 20.8



#26
2-Nitrophenol
Concen: 51.793 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:139 Resp: 133807
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 53.1 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 44.240 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

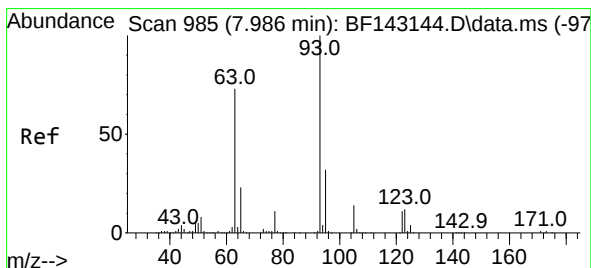
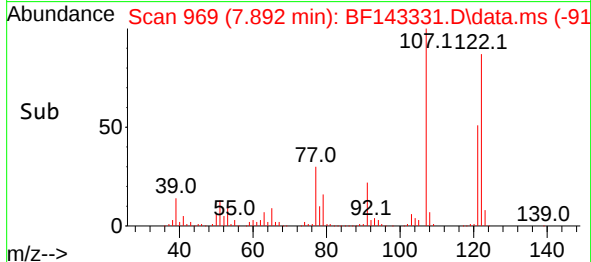
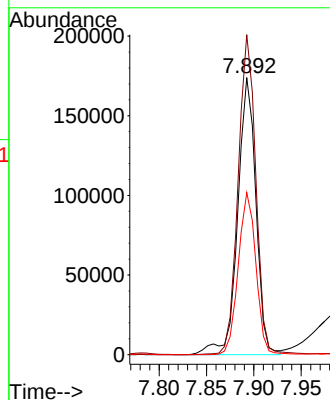
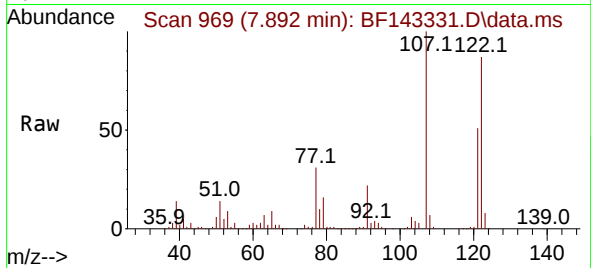
Tgt Ion:122 Resp: 232975

Ion Ratio Lower Upper

122 100

107 115.5 91.8 137.6

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 45.203 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

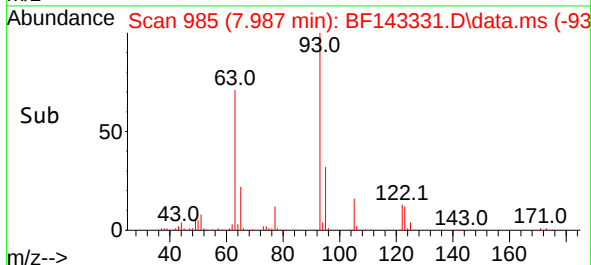
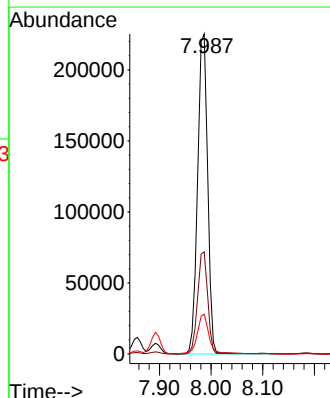
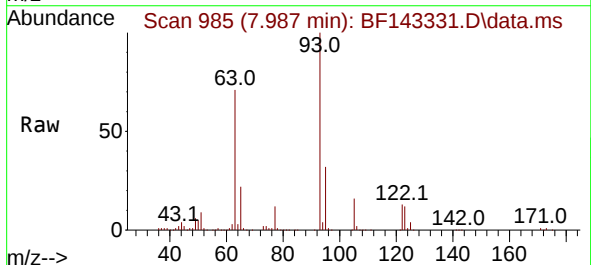
Tgt Ion: 93 Resp: 305483

Ion Ratio Lower Upper

93 100

95 31.9 25.8 38.6

123 12.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 43.989 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

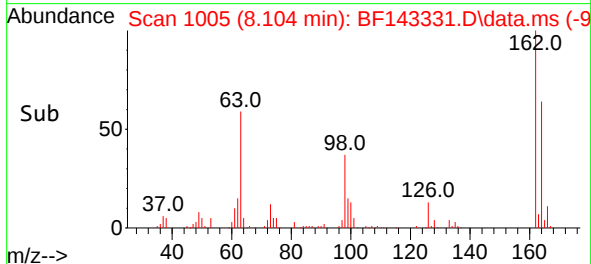
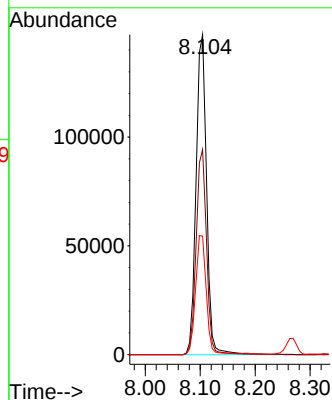
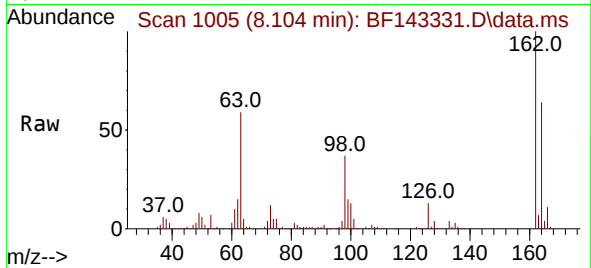
Tgt Ion:162 Resp: 195361

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 44.269 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

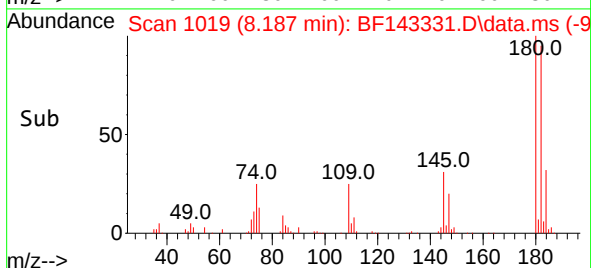
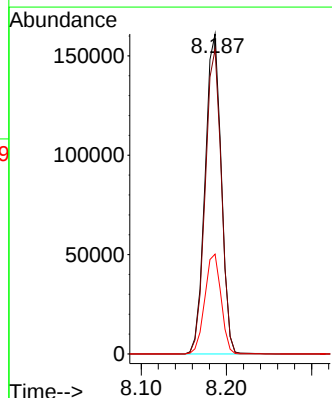
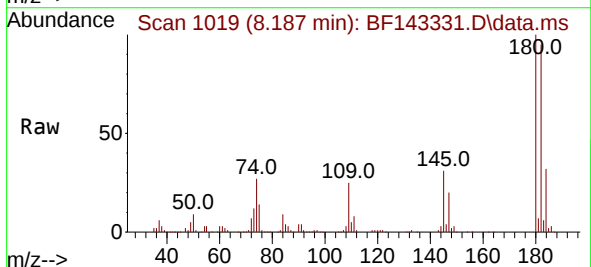
Tgt Ion:180 Resp: 212402

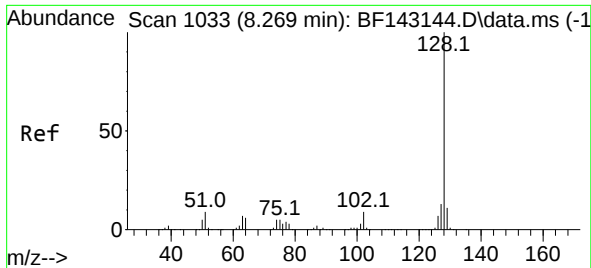
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.2 25.0 37.6

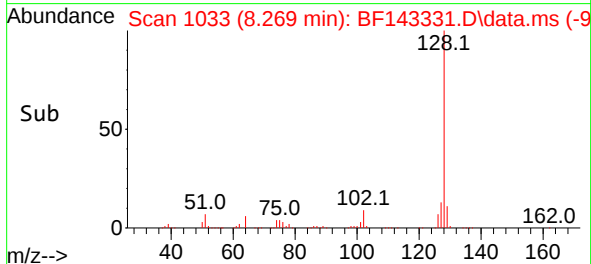
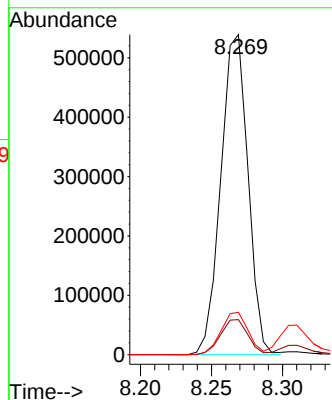
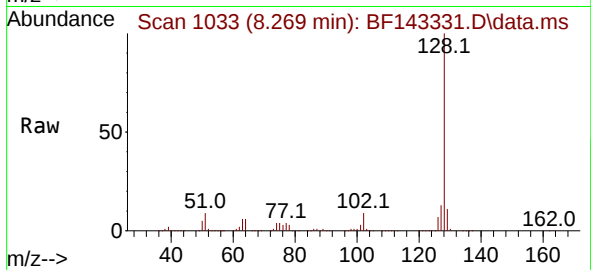




#31
Naphthalene
Concen: 45.858 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

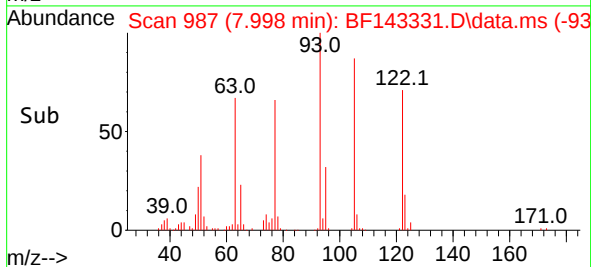
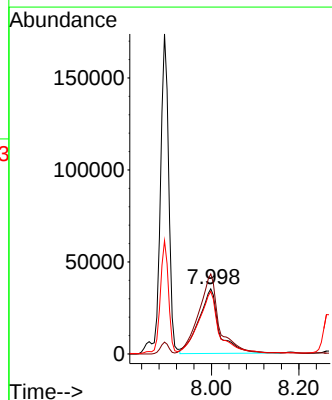
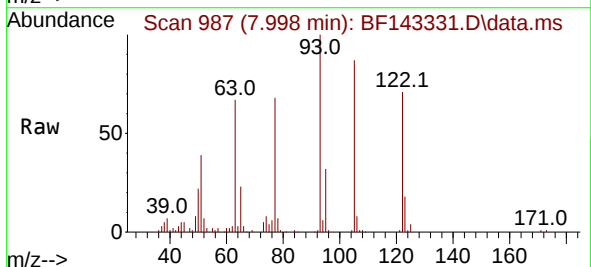
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

Tgt Ion:128 Resp: 718797
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 39.792 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:122 Resp: 115098
Ion Ratio Lower Upper
122 100
105 122.8 104.8 144.8
77 95.7 77.6 117.6

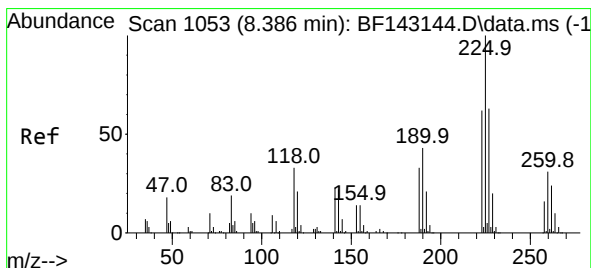
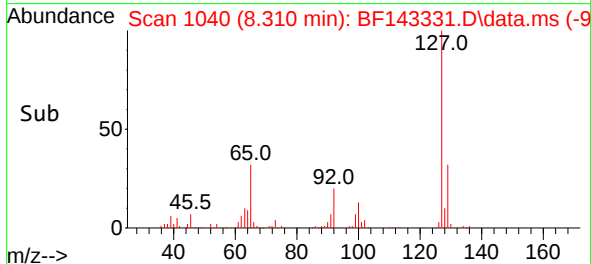
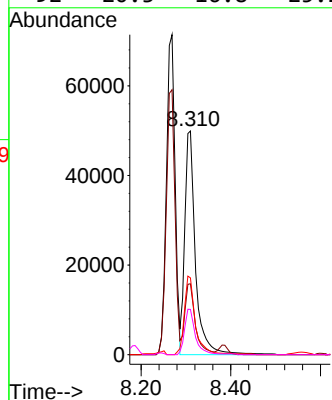
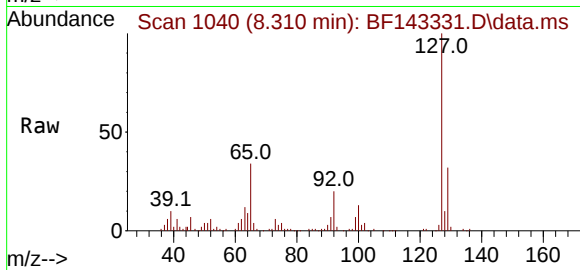




#33
4-Chloroaniline
Concen: 13.015 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

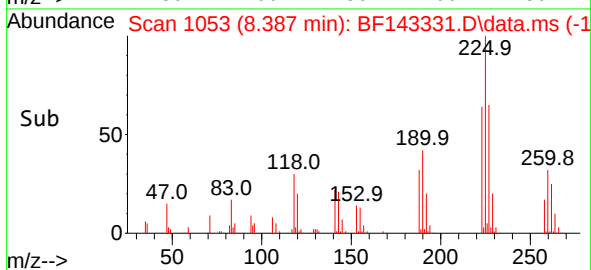
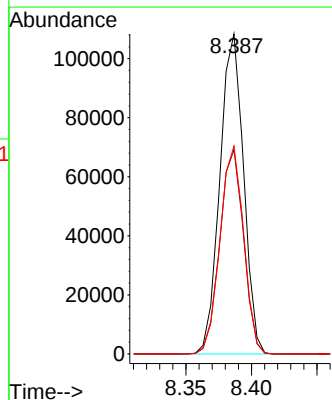
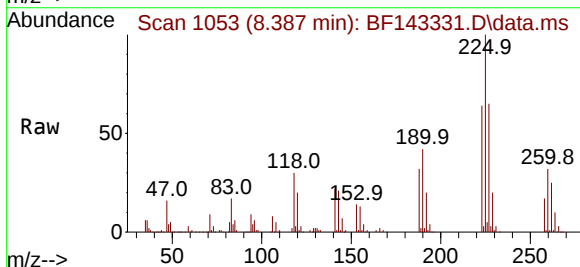
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

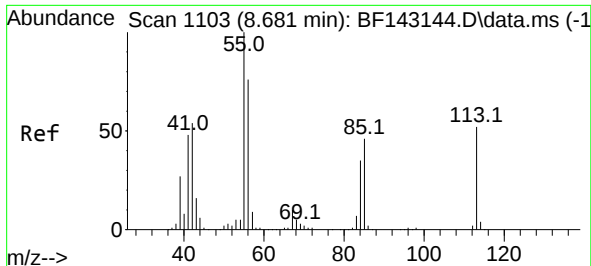
Tgt Ion:	127	Resp:	83302
Ion Ratio	Lower	Upper	
127	100		
129	31.7	26.0	39.0
65	34.3	27.4	41.2
92	20.3	16.8	25.2



#34
Hexachlorobutadiene
Concen: 46.334 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:	225	Resp:	135802
Ion Ratio	Lower	Upper	
225	100		
223	63.8	49.8	74.6
227	65.0	50.2	75.4

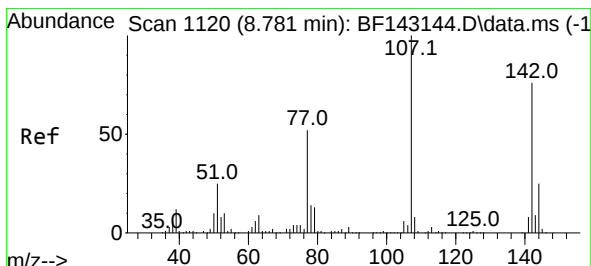
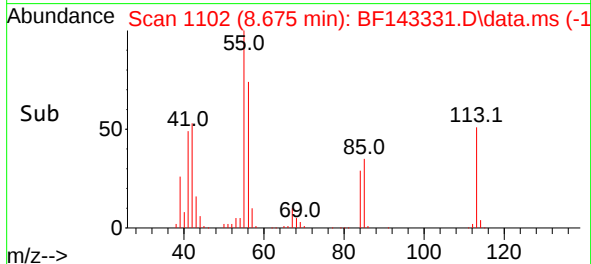
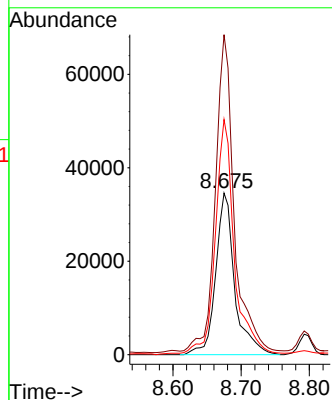
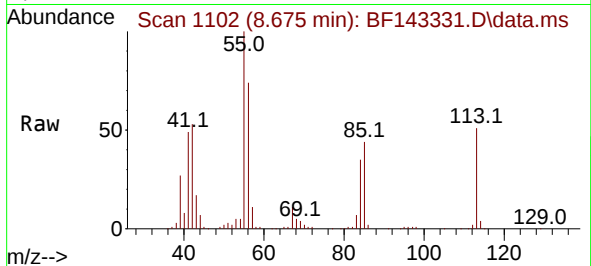




#35
Caprolactam
Concen: 50.001 ng
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

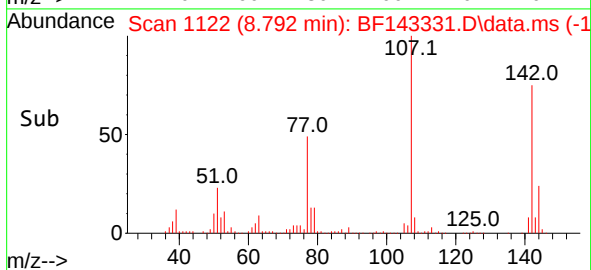
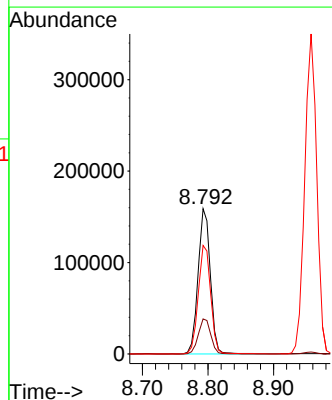
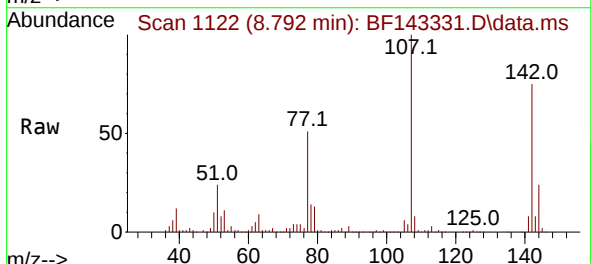
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

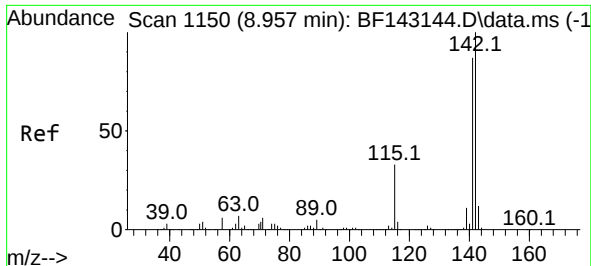
Tgt Ion:113 Resp: 67103
Ion Ratio Lower Upper
113 100
55 198.0 174.0 214.0
56 145.5 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 43.088 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:107 Resp: 207991
Ion Ratio Lower Upper
107 100
144 24.2 19.8 29.6
142 74.7 60.6 90.8





#37

2-Methylnaphthalene

Concen: 46.426 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

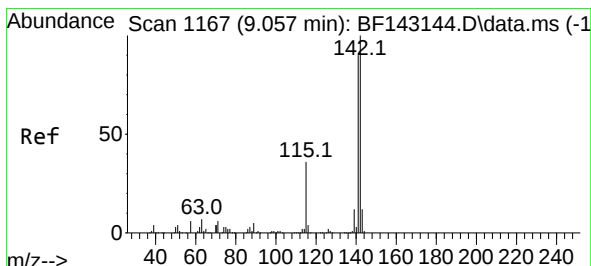
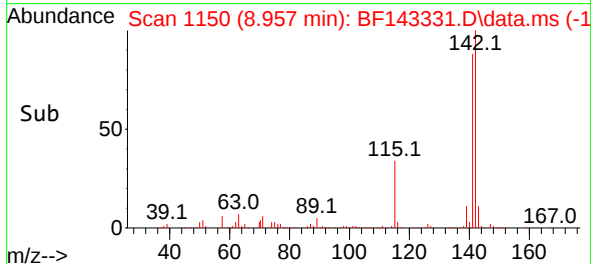
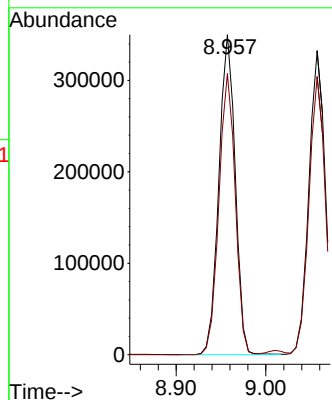
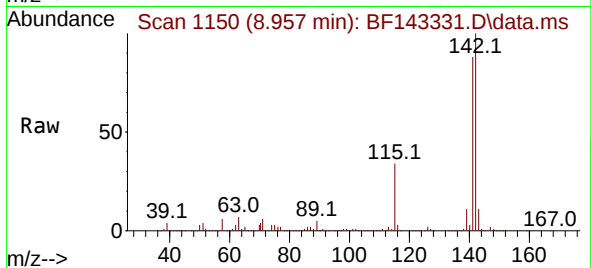
500-3B-SOILMS

Tgt Ion:142 Resp: 442821

Ion Ratio Lower Upper

142 100

141 87.8 69.9 104.9



#38

1-Methylnaphthalene

Concen: 42.413 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143331.D

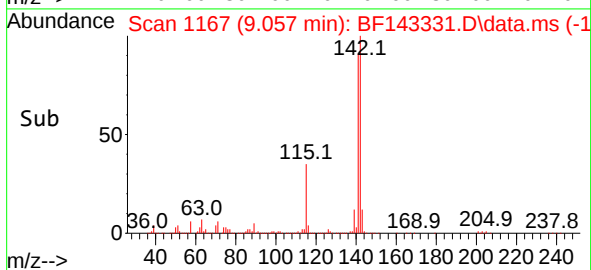
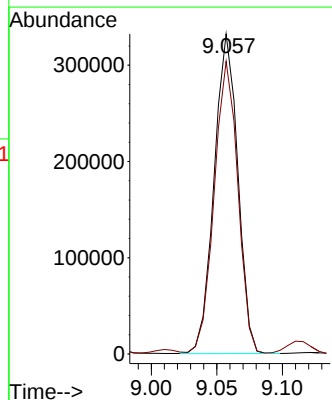
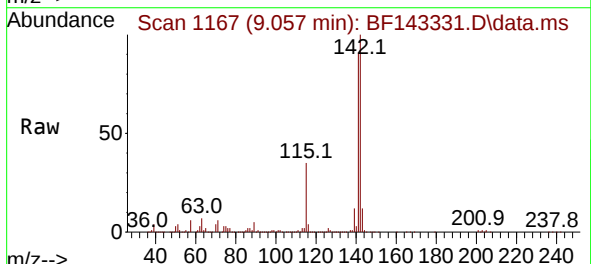
Acq: 06 Aug 2025 15:45

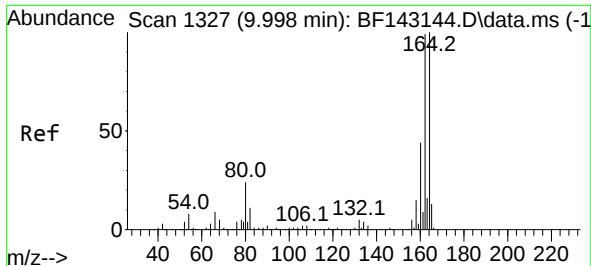
Tgt Ion:142 Resp: 416580

Ion Ratio Lower Upper

142 100

141 91.5 72.3 108.5

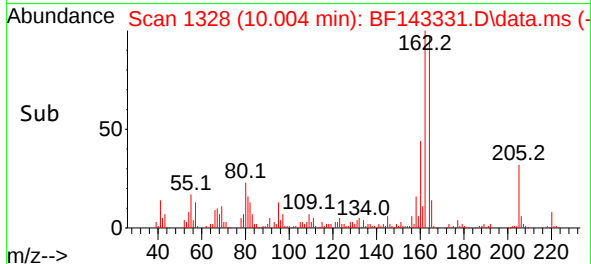
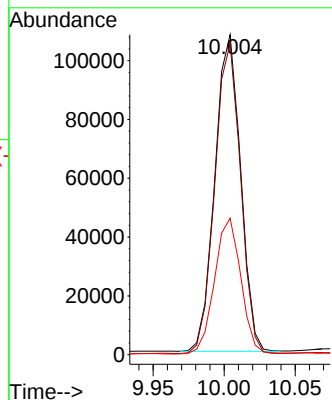
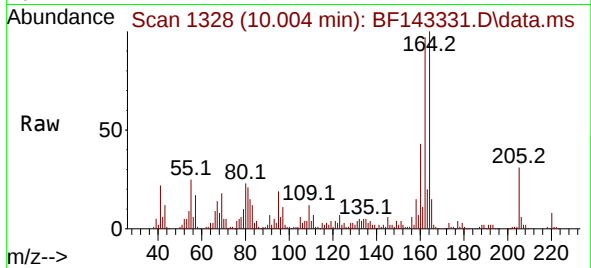




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

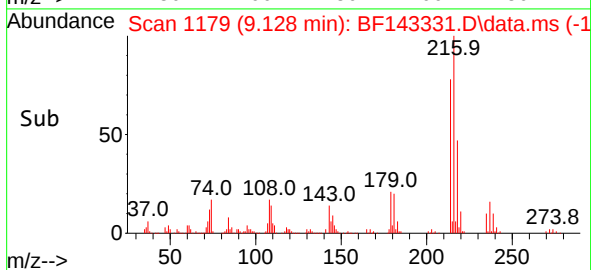
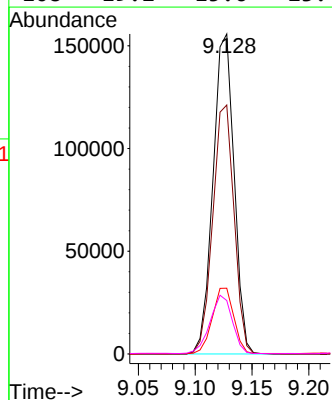
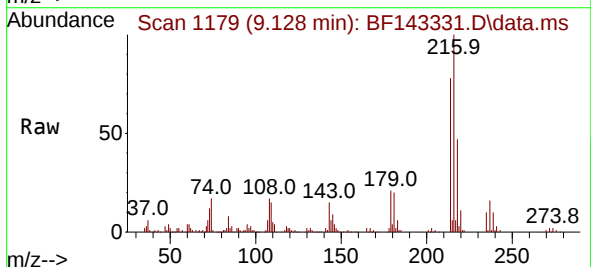
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

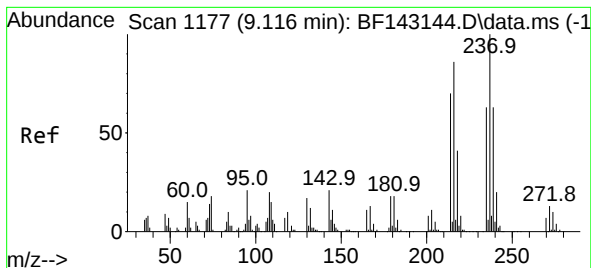
Tgt Ion:164 Resp: 135522
Ion Ratio Lower Upper
164 100
162 97.2 79.0 118.6
160 42.7 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.476 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:216 Resp: 201408
Ion Ratio Lower Upper
216 100
214 78.4 63.8 95.8
179 20.7 16.4 24.6
108 19.2 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 54.049 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

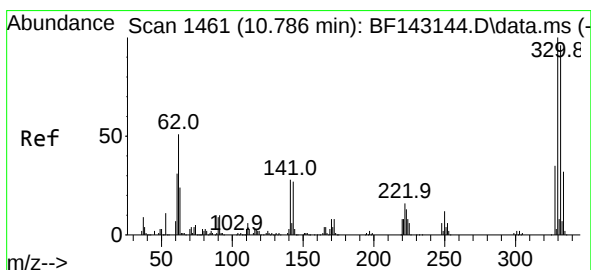
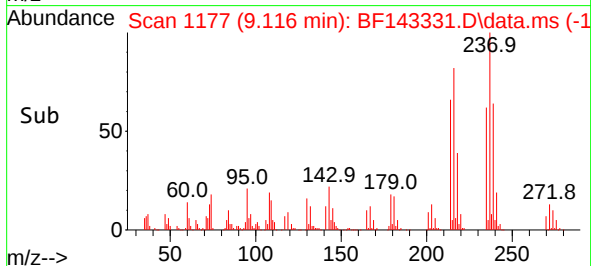
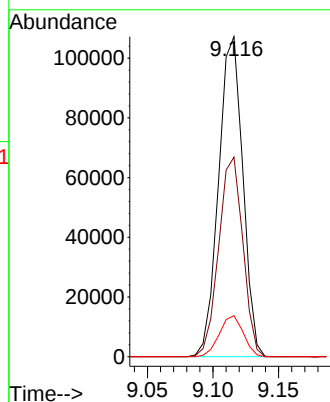
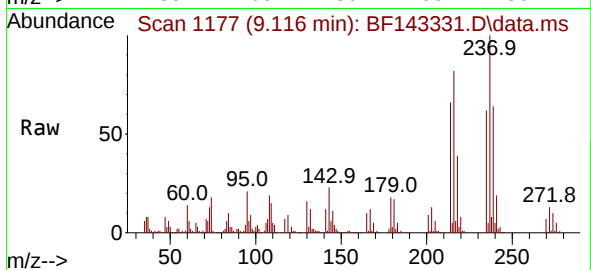
Tgt Ion:237 Resp: 137601

Ion Ratio Lower Upper

237 100

235 62.3 43.0 83.0

272 12.8 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 86.655 ng

RT: 10.798 min Scan# 1463

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

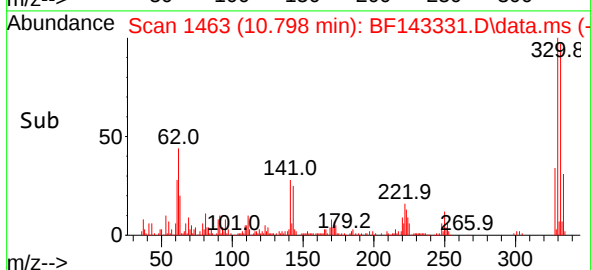
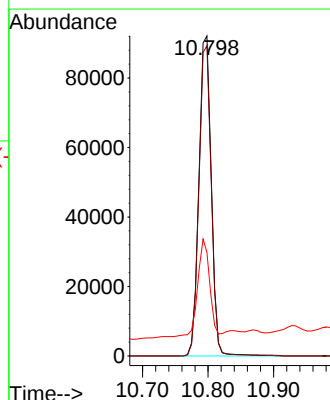
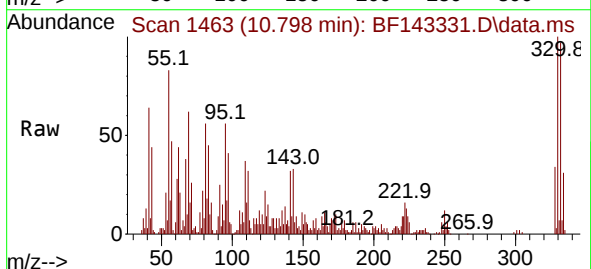
Tgt Ion:330 Resp: 121318

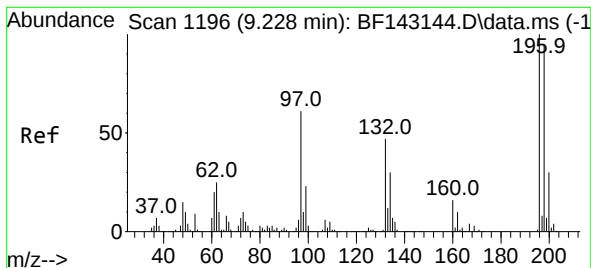
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 33.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 53.362 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

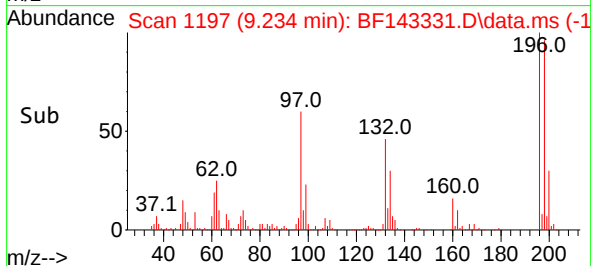
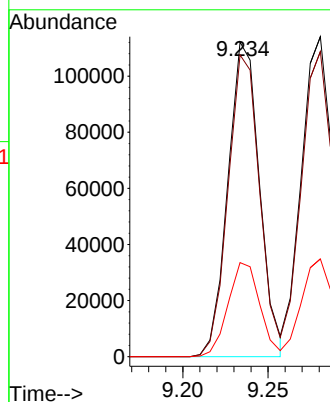
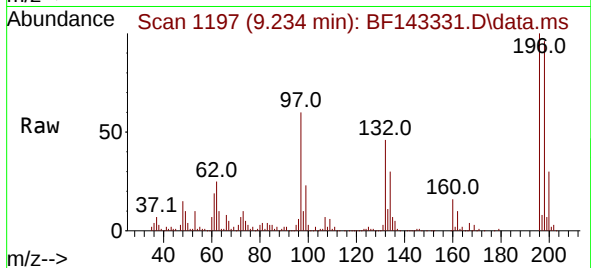
Tgt Ion:196 Resp: 144499

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

200 29.9 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 55.928 ng

RT: 9.281 min Scan# 1205

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Tgt Ion:196 Resp: 151492

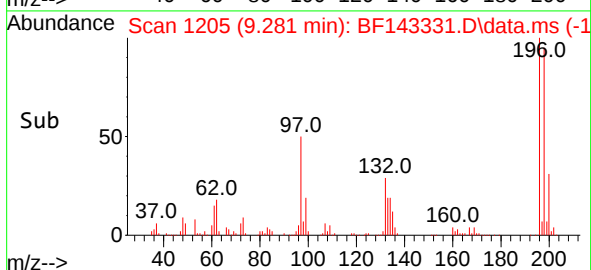
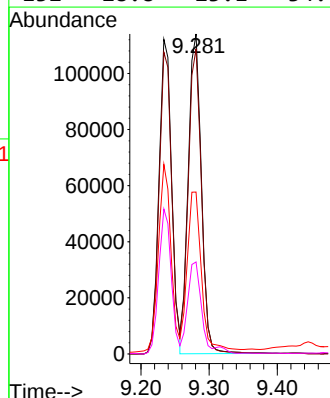
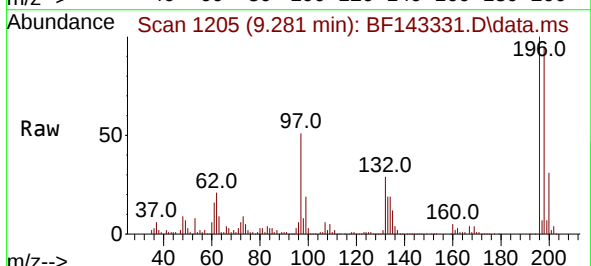
Ion Ratio Lower Upper

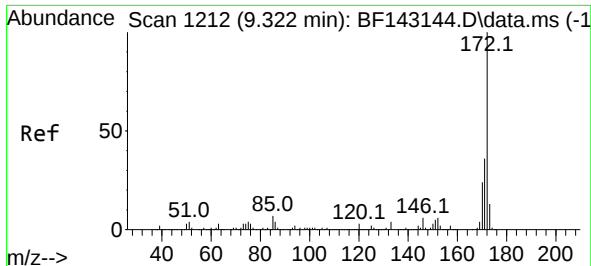
196 100

198 95.4 77.3 115.9

97 50.6 40.3 60.5

132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 65.542 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

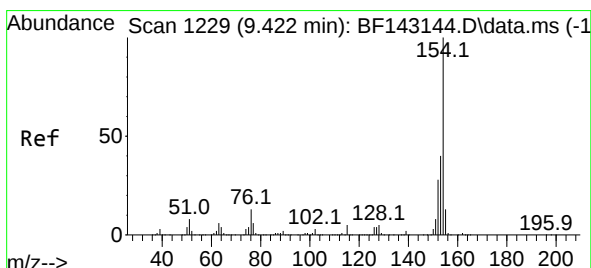
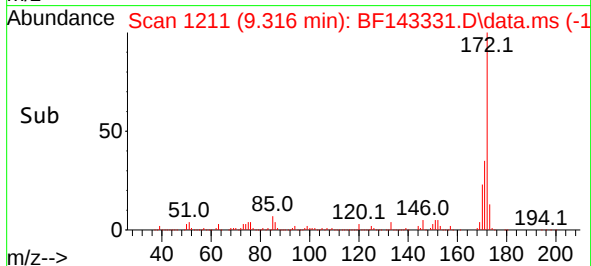
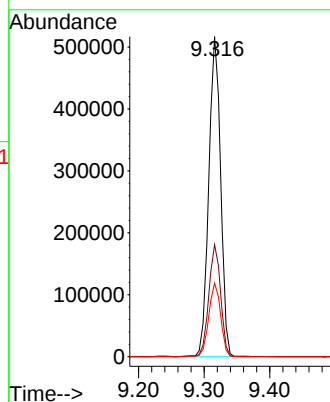
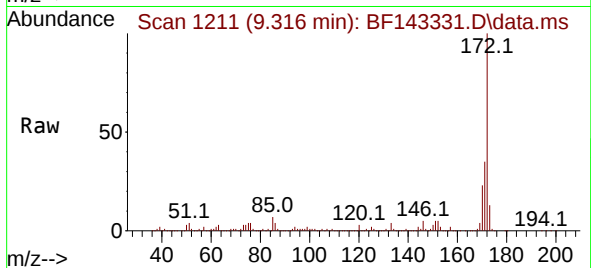
Tgt Ion:172 Resp: 649477

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 55.517 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

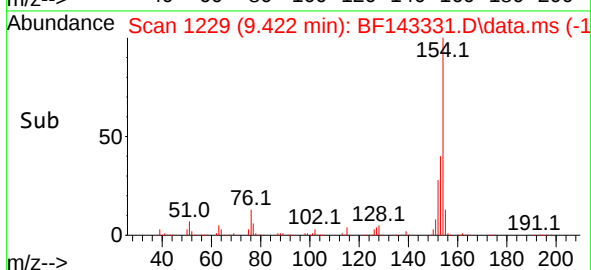
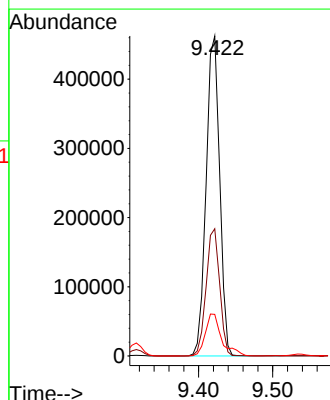
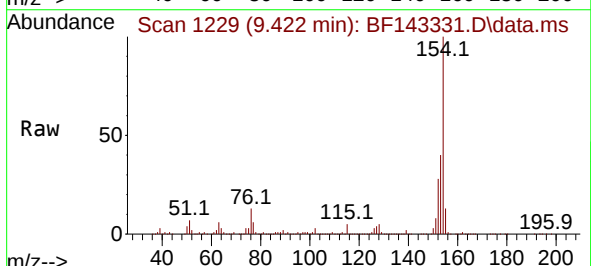
Tgt Ion:154 Resp: 587002

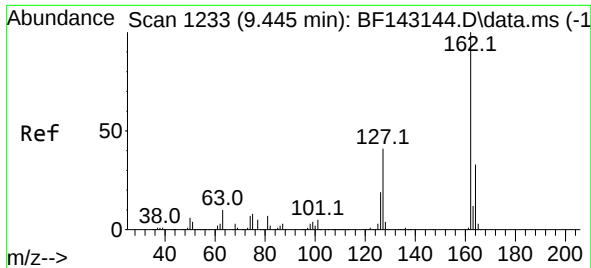
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 13.0 0.0 33.3





#47

2-Chloronaphthalene

Concen: 51.765 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

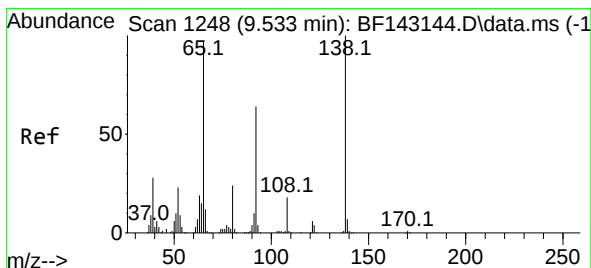
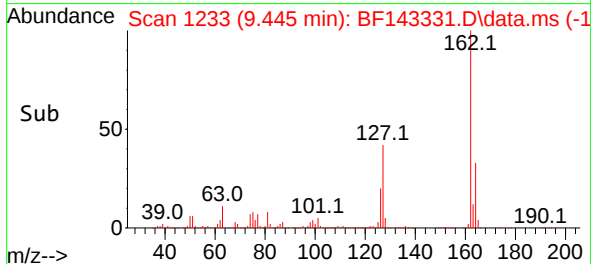
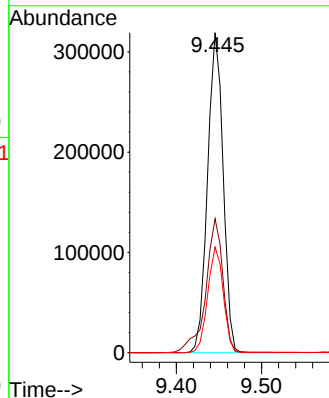
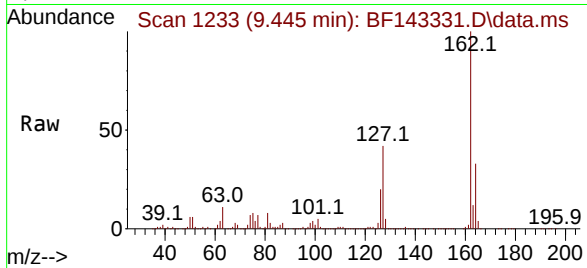
Tgt Ion:162 Resp: 404982

Ion Ratio Lower Upper

162 100

127 41.9 33.4 50.2

164 33.0 26.2 39.2



#48

2-Nitroaniline

Concen: 60.644 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

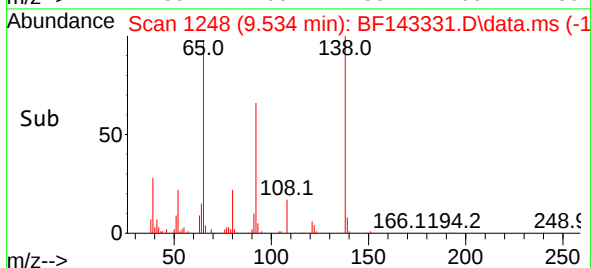
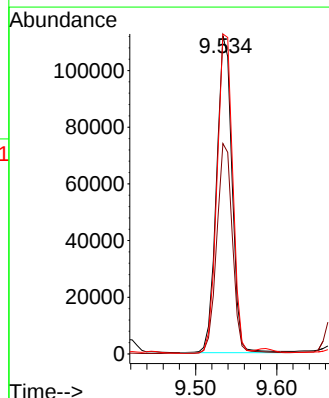
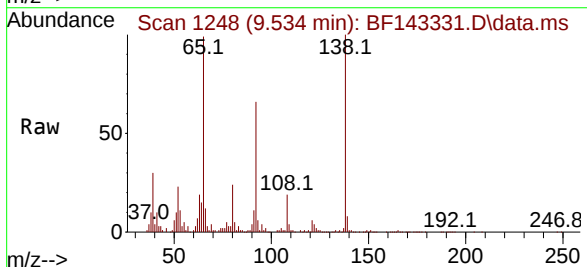
Tgt Ion: 65 Resp: 148786

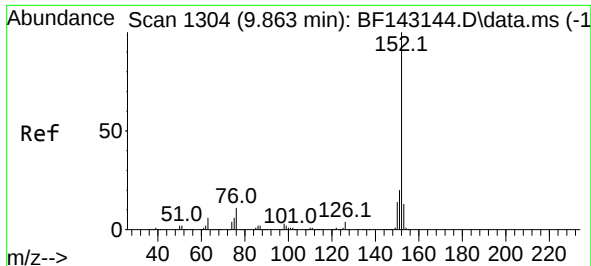
Ion Ratio Lower Upper

65 100

92 66.2 52.4 78.6

138 100.6 82.3 123.5

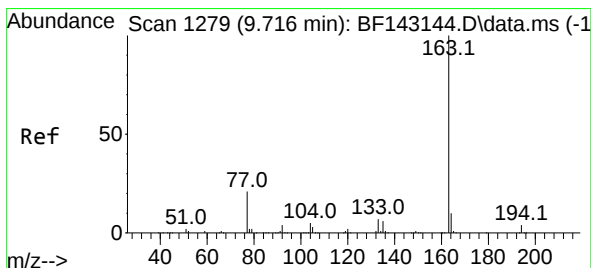
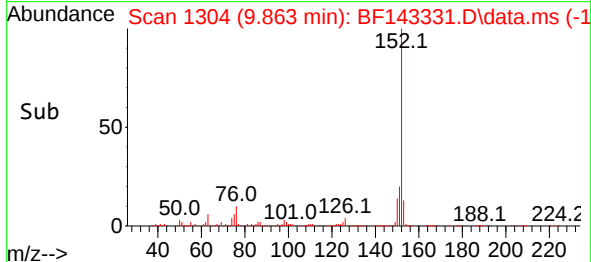
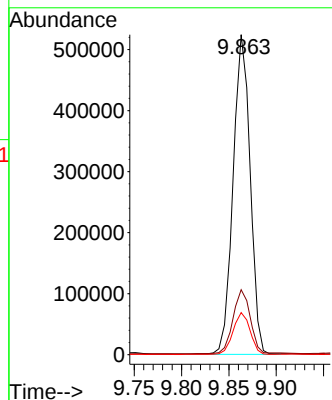
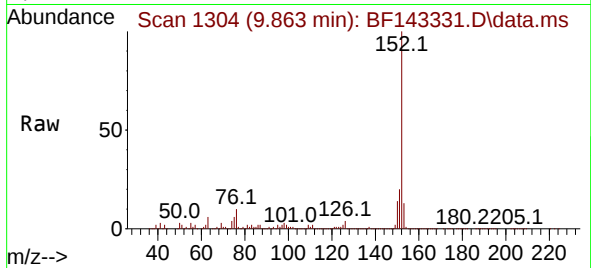




#49
Acenaphthylene
Concen: 50.089 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

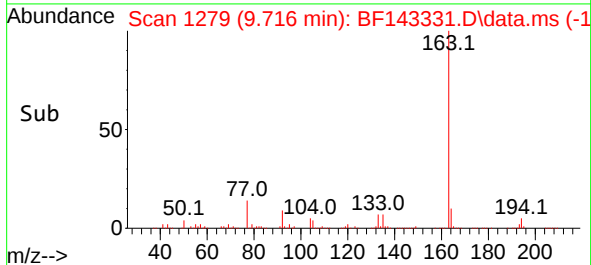
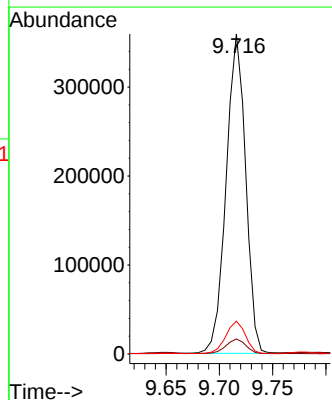
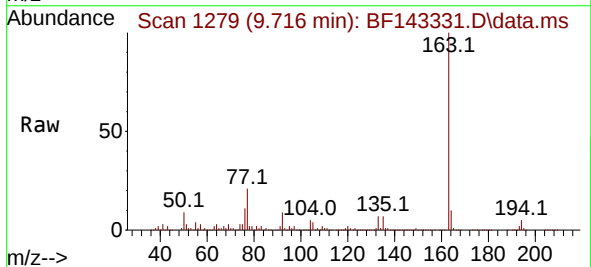
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

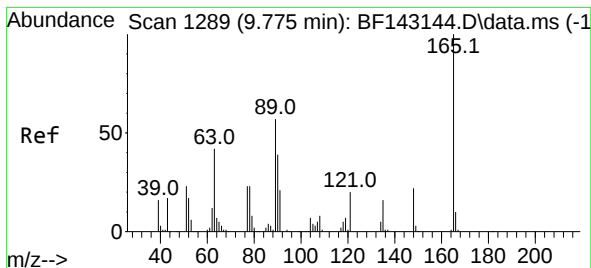
Tgt Ion:152 Resp: 656717
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 51.732 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:163 Resp: 456986
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.2 8.3 12.5

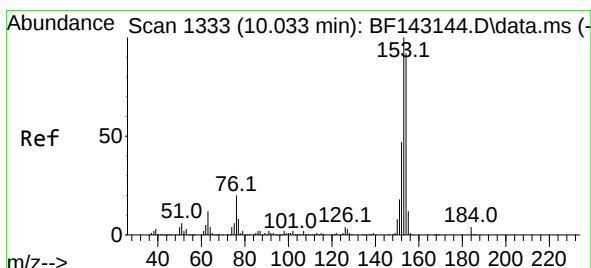
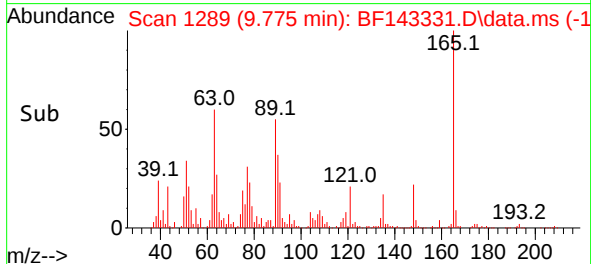
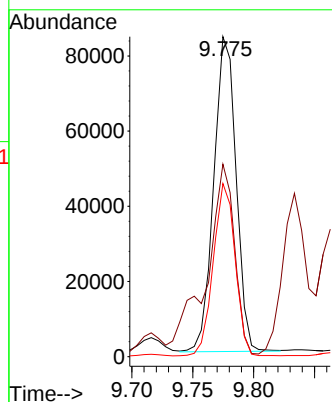
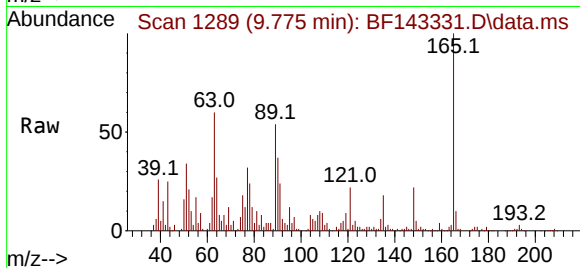




#51
2,6-Dinitrotoluene
Concen: 59.343 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

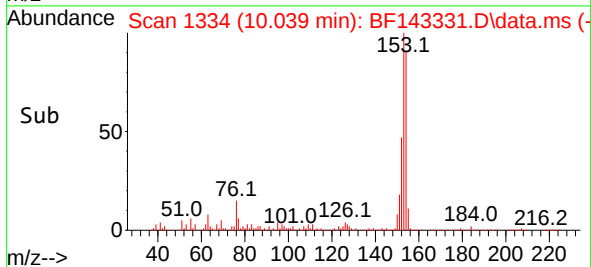
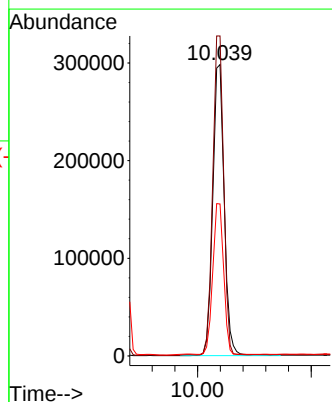
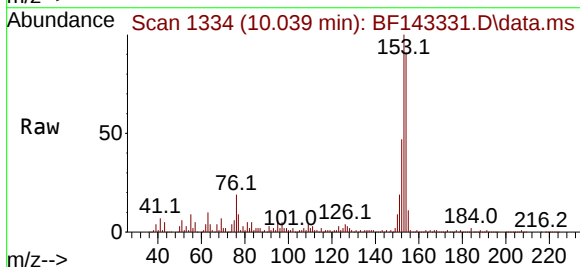
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

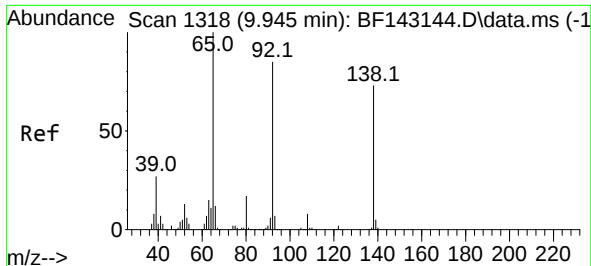
Tgt Ion:165 Resp: 106642
Ion Ratio Lower Upper
165 100
63 60.1 49.4 74.2
89 54.1 46.2 69.2



#52
Acenaphthene
Concen: 53.575 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:154 Resp: 415166
Ion Ratio Lower Upper
154 100
153 109.8 86.6 129.8
152 52.2 40.4 60.6

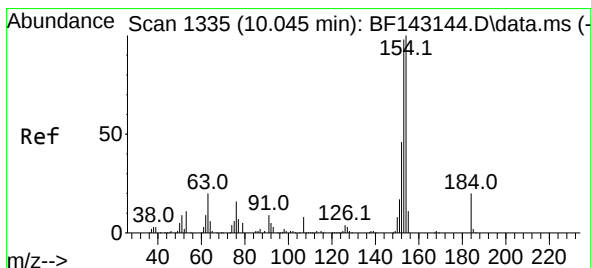
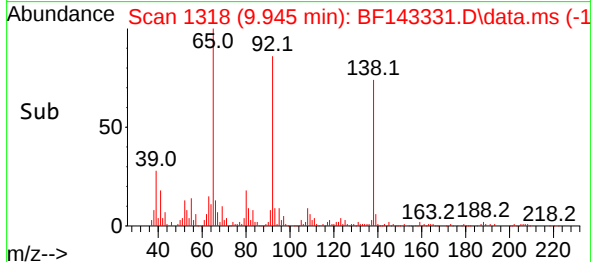
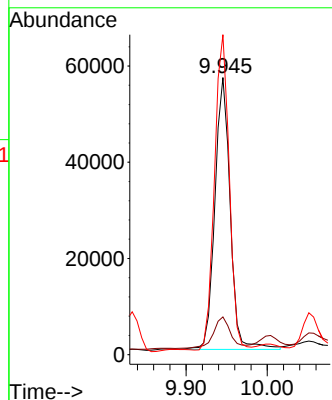
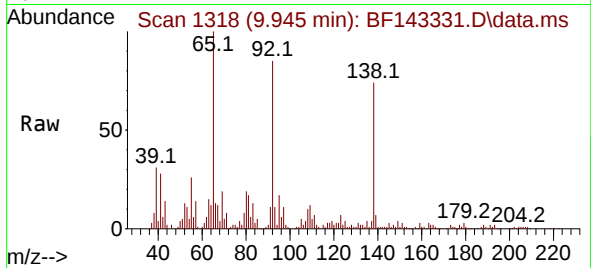




#53
3-Nitroaniline
Concen: 35.366 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

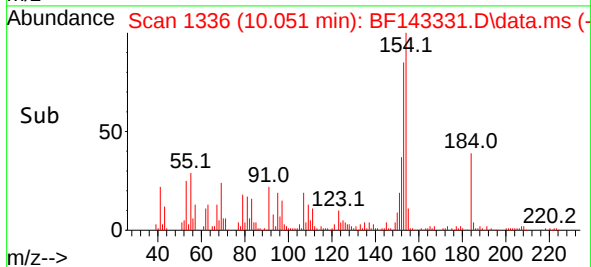
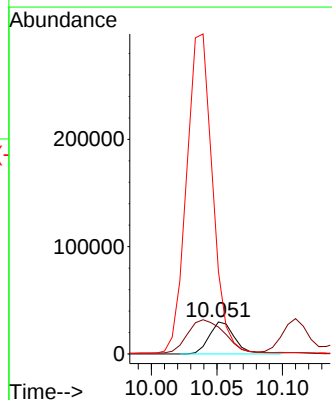
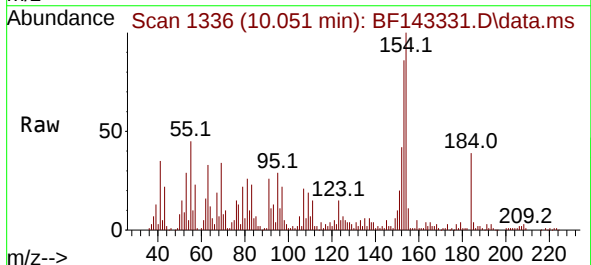
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

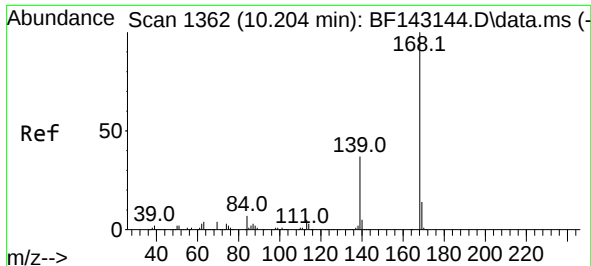
Tgt Ion:138 Resp: 74337
Ion Ratio Lower Upper
138 100
108 13.6 9.0 13.6#
92 115.5 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 52.427 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:184 Resp: 40659
Ion Ratio Lower Upper
184 100
63 83.8 81.8 122.6
154 256.4 412.2 618.4#

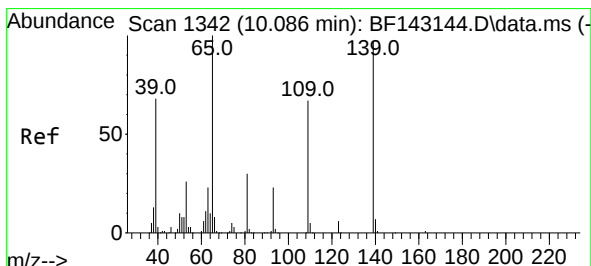
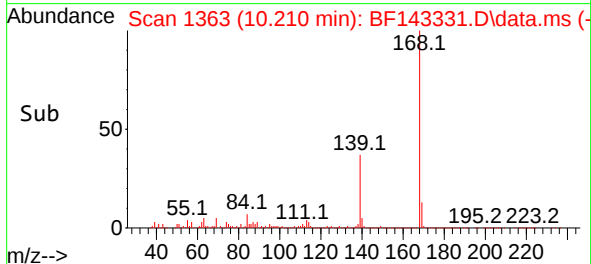
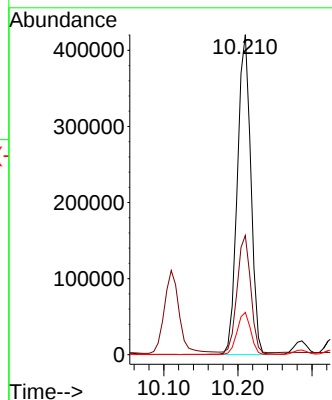
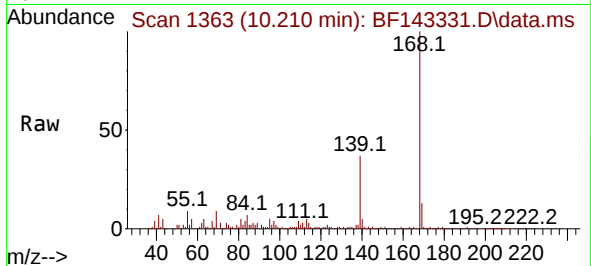




#55
Dibenzenofuran
Concen: 45.870 ng
RT: 10.210 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

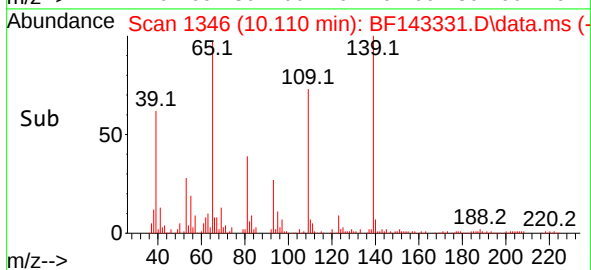
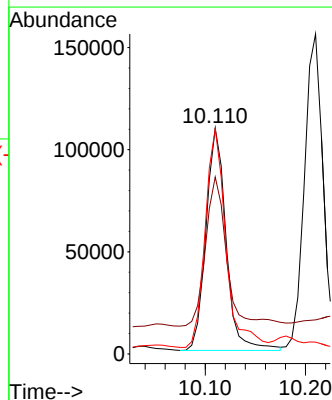
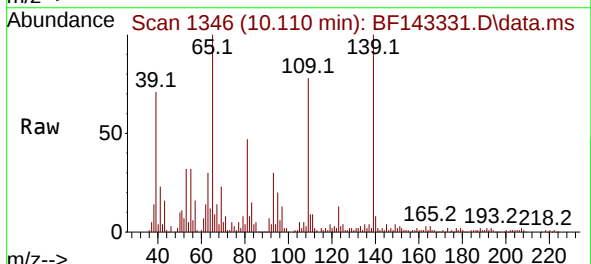
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

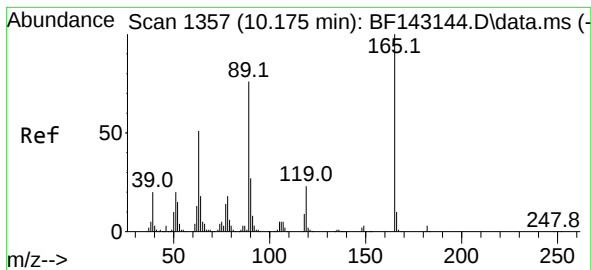
Tgt Ion:168 Resp: 527747
Ion Ratio Lower Upper
168 100
139 37.2 29.5 44.3
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 96.881 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.024 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:139 Resp: 152065
Ion Ratio Lower Upper
139 100
109 78.4 48.5 88.5
65 99.8 83.4 123.4

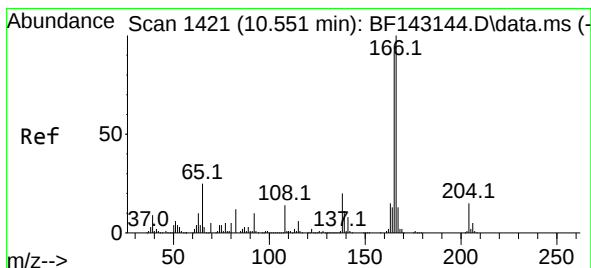
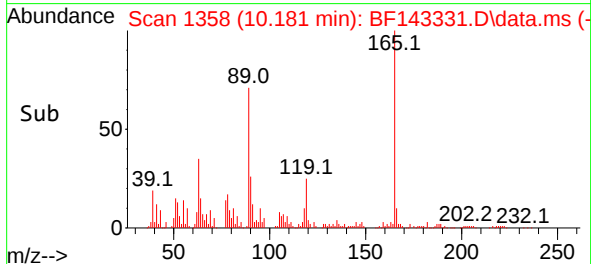
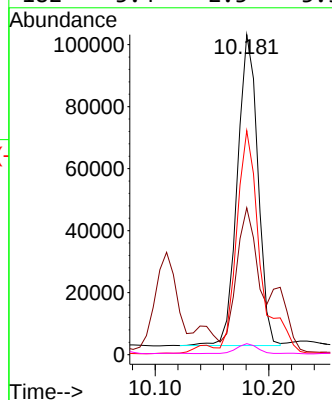
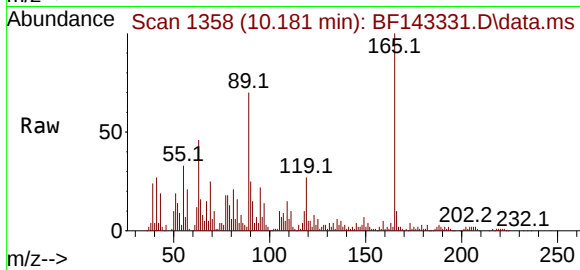




#57
2,4-Dinitrotoluene
Concen: 55.827 ng
RT: 10.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

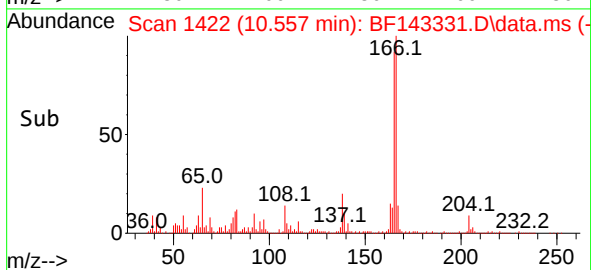
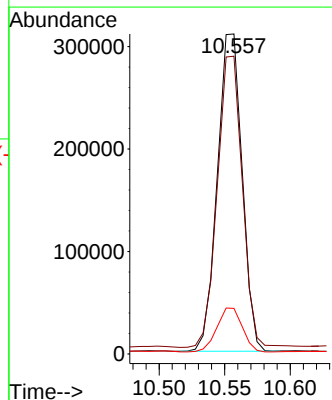
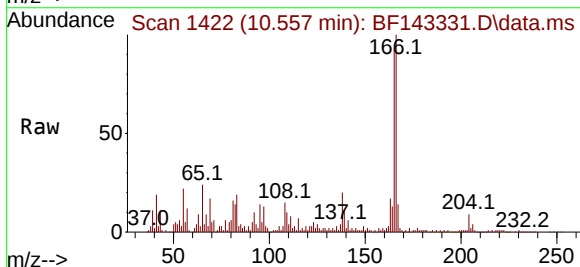
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

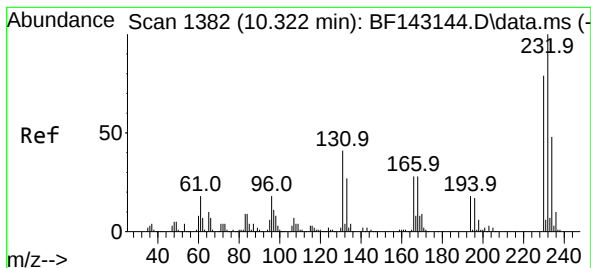
Tgt Ion:165 Resp: 125866
Ion Ratio Lower Upper
165 100
63 45.9 41.0 61.4
89 70.0 61.1 91.7
182 3.4 2.3 3.5



#58
Fluorene
Concen: 47.211 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:166 Resp: 407663
Ion Ratio Lower Upper
166 100
165 93.1 73.7 110.5
167 14.3 10.6 16.0

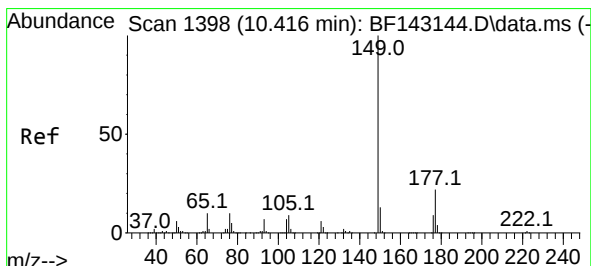
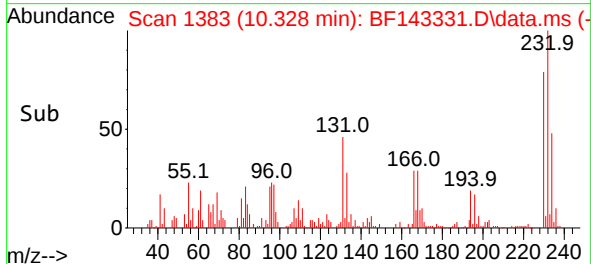
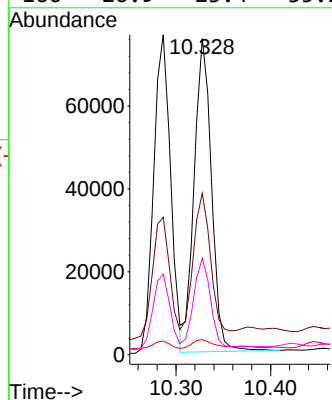
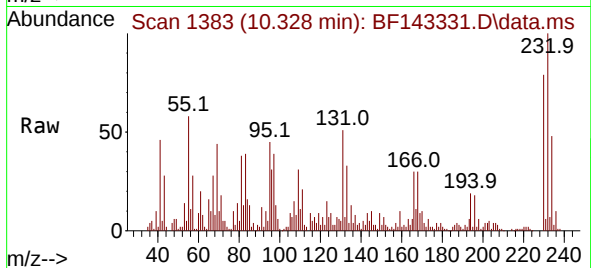




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.984 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

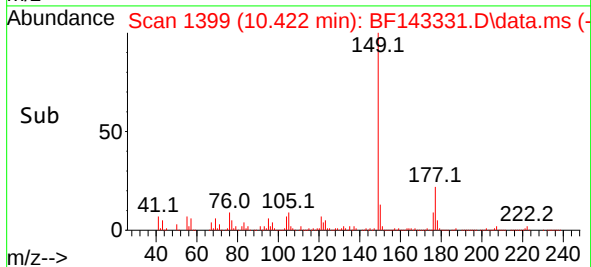
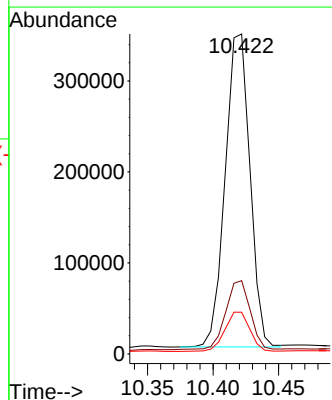
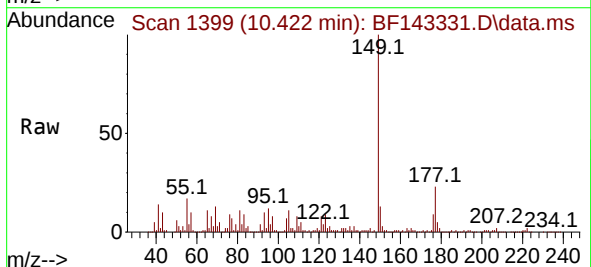
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

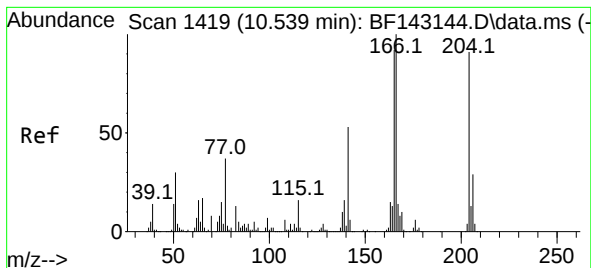
Tgt Ion:232 Resp: 96448
Ion Ratio Lower Upper
232 100
131 42.4 35.3 52.9
130 3.5 1.7 2.5#
166 26.9 23.4 35.2



#60
Diethylphthalate
Concen: 51.723 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:149 Resp: 451604
Ion Ratio Lower Upper
149 100
177 22.9 17.5 26.3
150 13.0 10.2 15.2

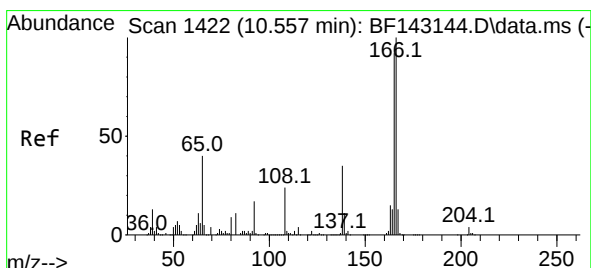
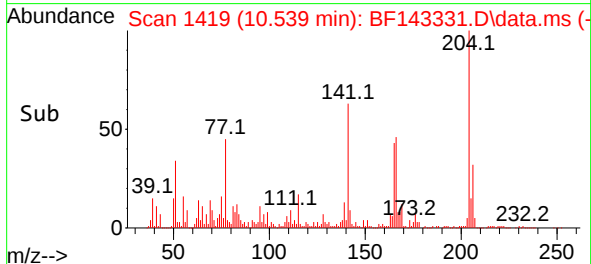
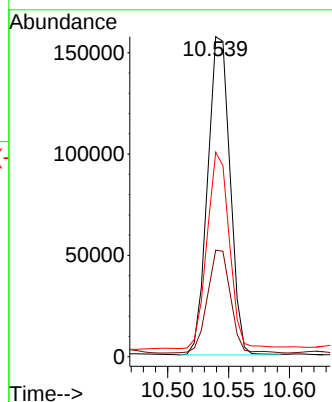
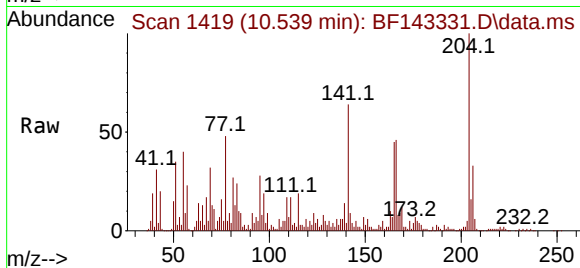




#61
4-Chlorophenyl-phenylether
Concen: 46.777 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

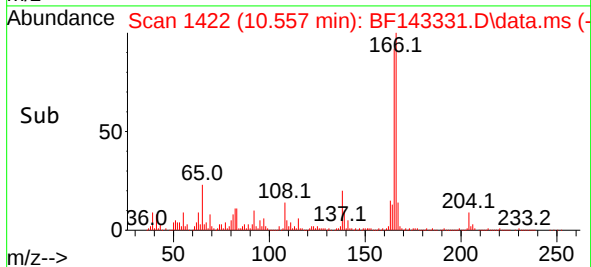
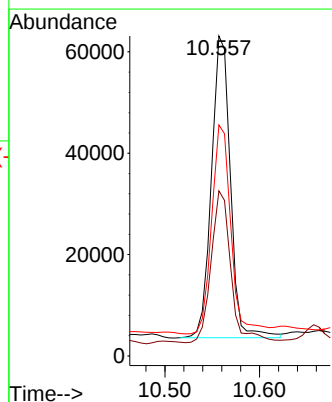
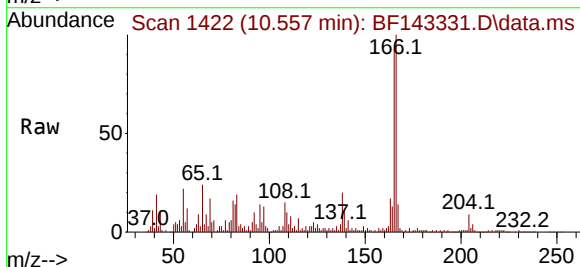
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

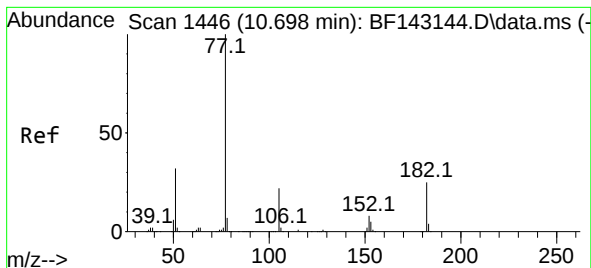
Tgt Ion:204 Resp: 201125
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 63.9 47.0 70.4



#62
4-Nitroaniline
Concen: 45.816 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:138 Resp: 82536
Ion Ratio Lower Upper
138 100
92 51.6 29.3 69.3
108 72.2 48.3 88.3





#63

Azobenzene

Concen: 46.178 ng

RT: 10.704 min Scan# 1446

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

Tgt Ion: 77 Resp: 420219

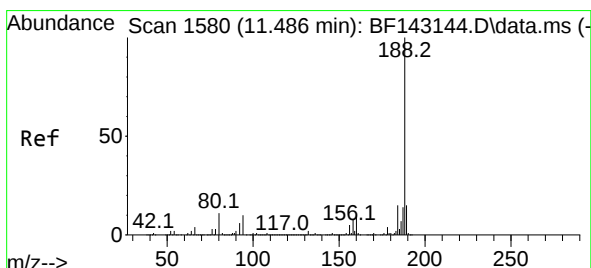
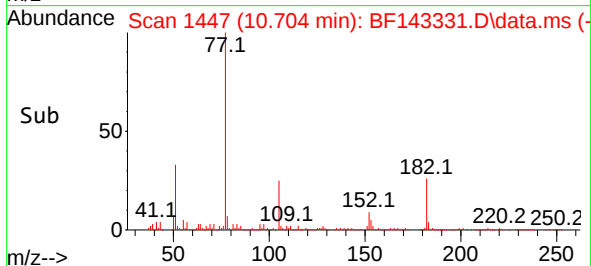
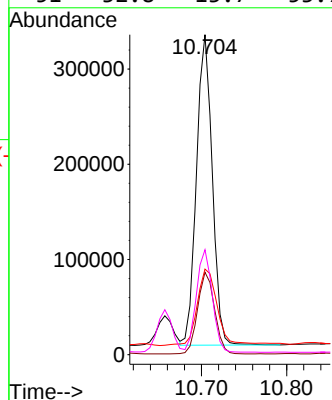
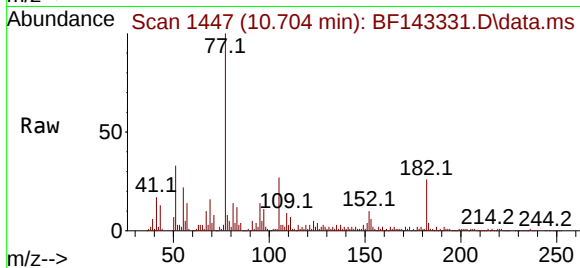
Ion Ratio Lower Upper

77 100

182 25.8 4.6 44.6

105 26.7 1.4 41.4

51 32.8 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 1582

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

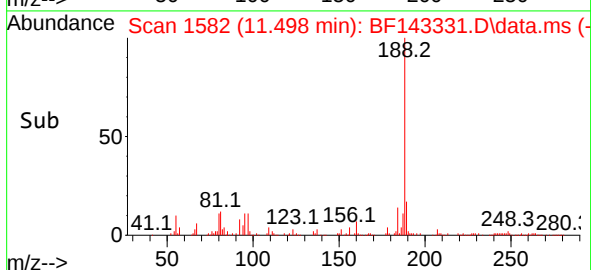
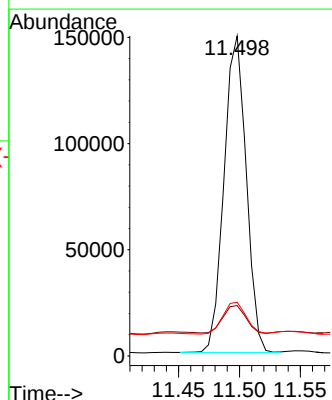
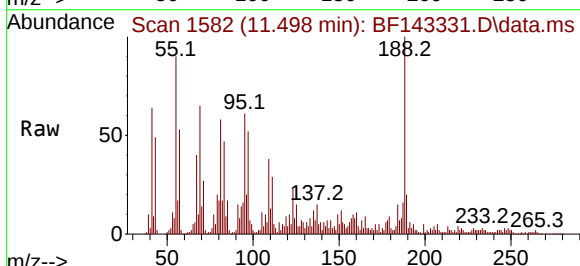
Tgt Ion: 188 Resp: 189220

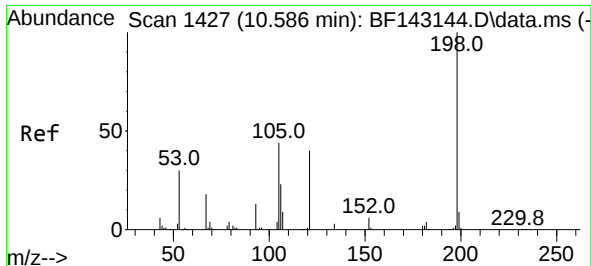
Ion Ratio Lower Upper

188 100

94 15.7 8.3 12.5#

80 16.8 9.0 13.6#

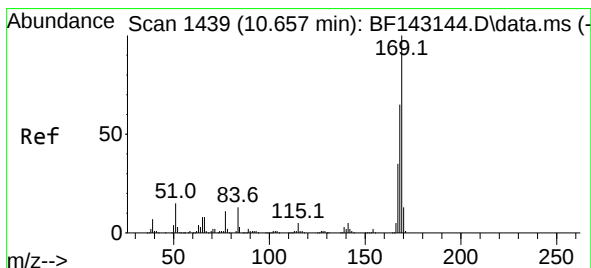
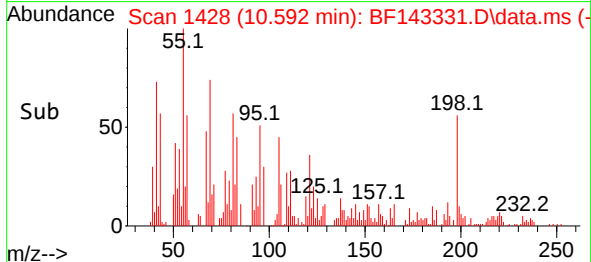
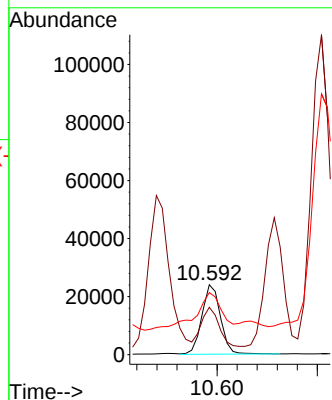
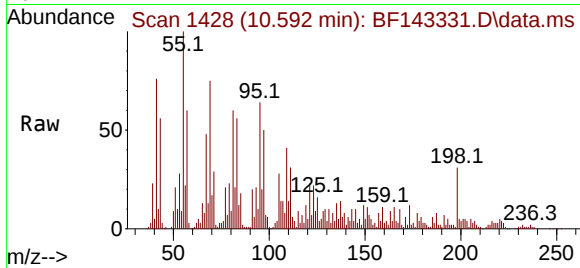




#65
4,6-Dinitro-2-methylphenol
Concen: 32.955 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

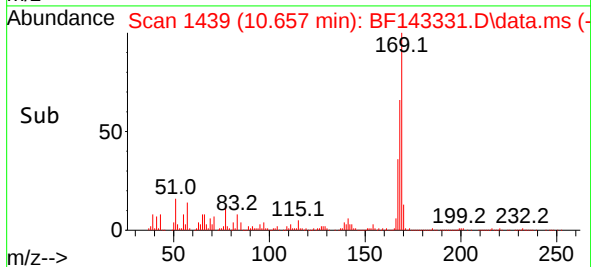
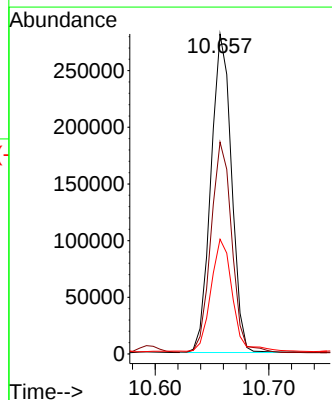
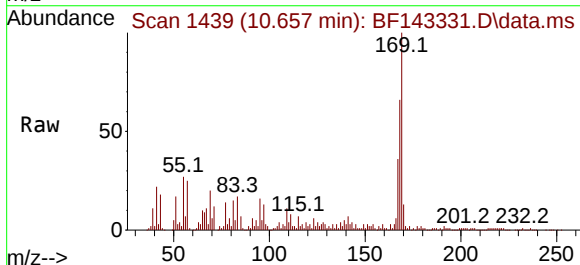
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

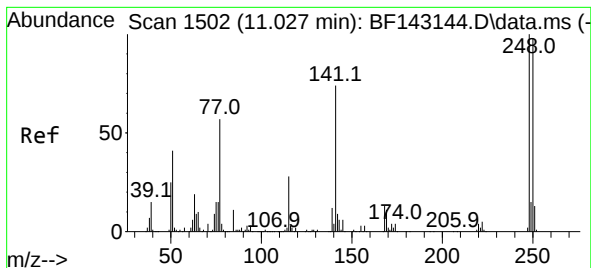
Tgt Ion:198 Resp: 30793
Ion Ratio Lower Upper
198 100
51 67.7 37.2 77.2
105 88.6 24.8 64.8#



#66
n-Nitrosodiphenylamine
Concen: 53.119 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:169 Resp: 353933
Ion Ratio Lower Upper
169 100
168 66.2 52.1 78.1
167 35.9 28.2 42.2

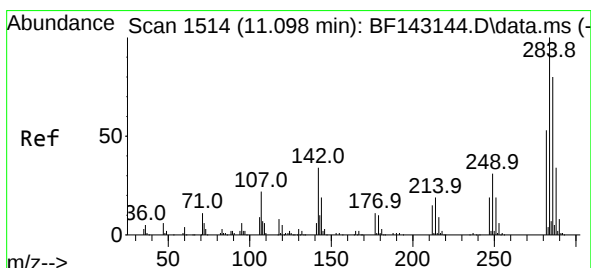
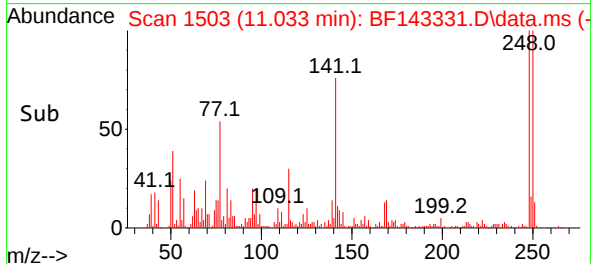
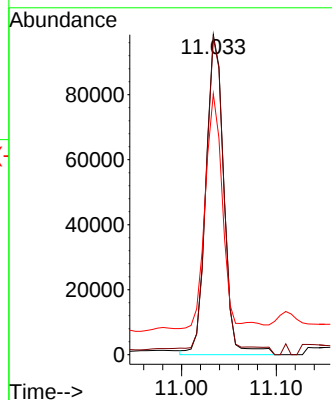
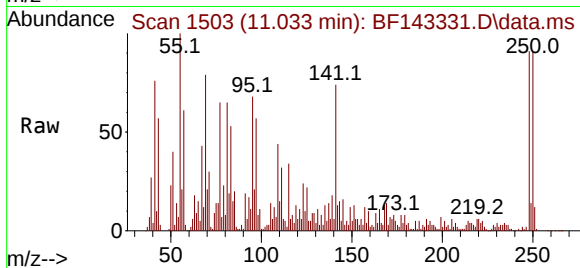




#67
4-Bromophenyl-phenylether
Concen: 57.208 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

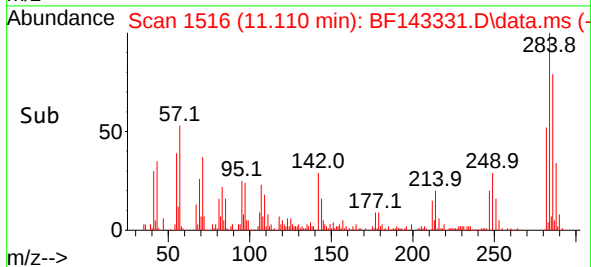
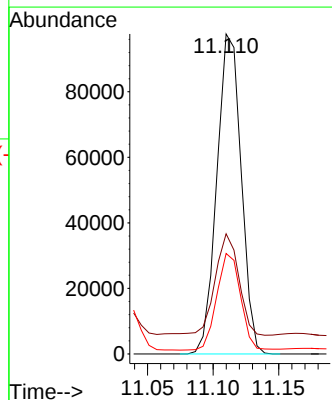
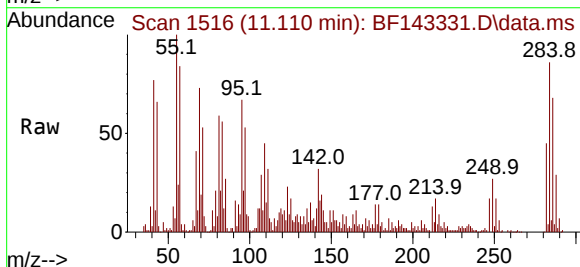
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

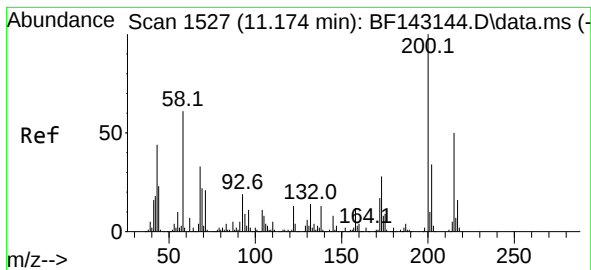
Tgt Ion:248 Resp: 129004
Ion Ratio Lower Upper
248 100
250 99.1 78.3 117.5
141 81.5 59.2 88.8



#68
Hexachlorobenzene
Concen: 53.409 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.012 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:284 Resp: 125882
Ion Ratio Lower Upper
284 100
142 37.6 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 63.546 ng

RT: 11.186 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

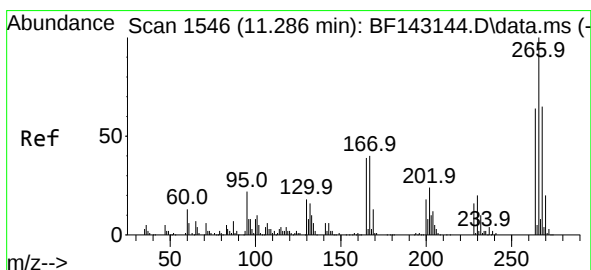
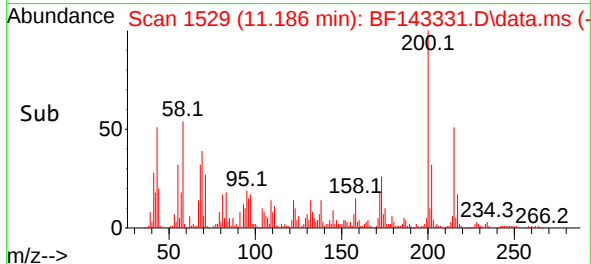
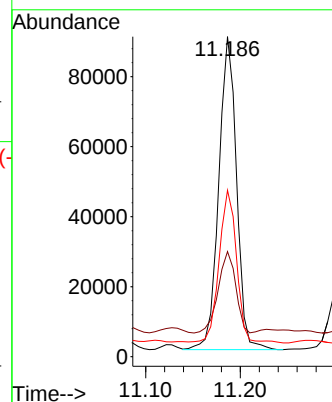
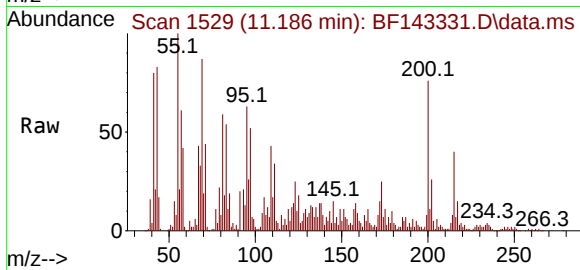
Tgt Ion:200 Resp: 116730

Ion Ratio Lower Upper

200 100

173 32.9 7.9 47.9

215 52.0 30.1 70.1



#70

Pentachlorophenol

Concen: 97.841 ng

RT: 11.304 min Scan# 1549

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

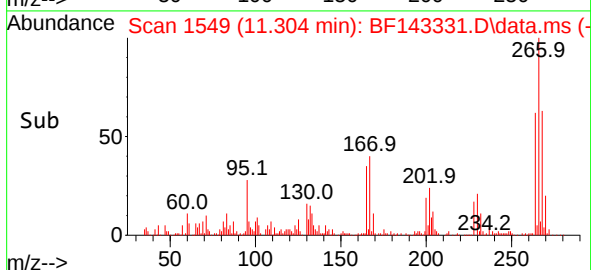
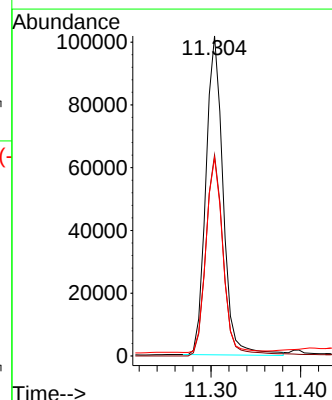
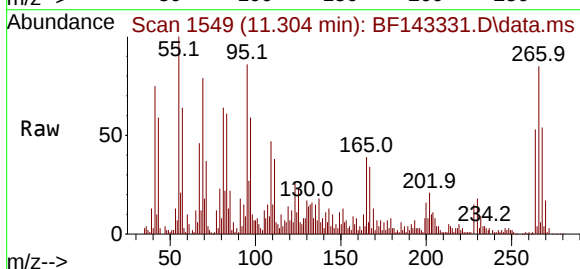
Tgt Ion:266 Resp: 135615

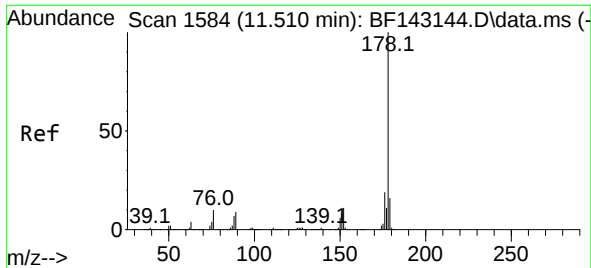
Ion Ratio Lower Upper

266 100

268 62.8 51.9 77.9

264 62.0 51.0 76.6

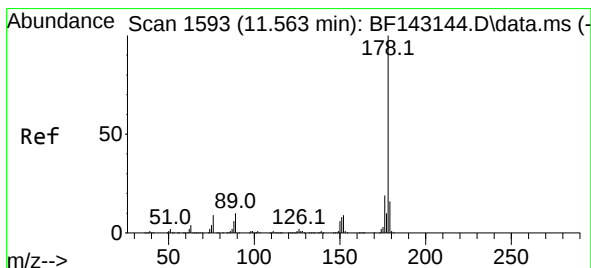
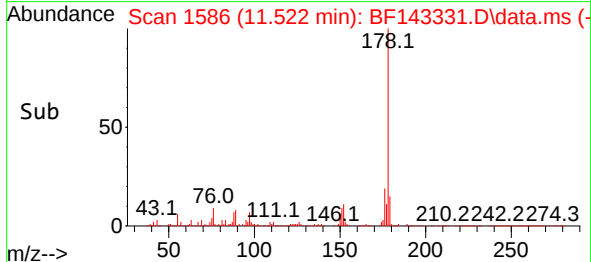
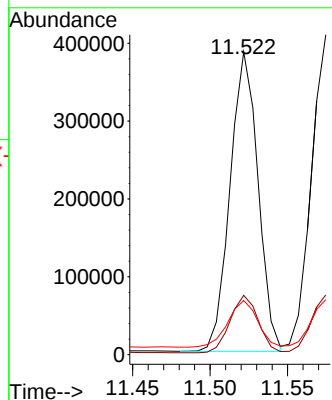
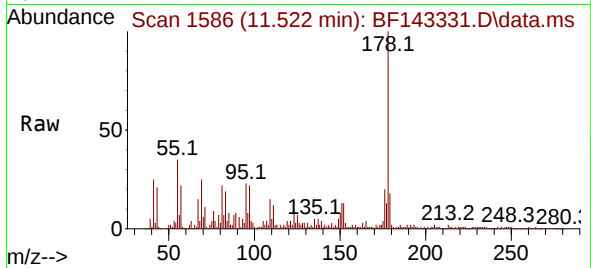




#71
Phenanthrene
Concen: 47.908 ng
RT: 11.522 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

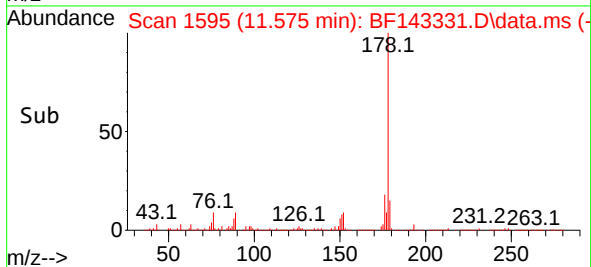
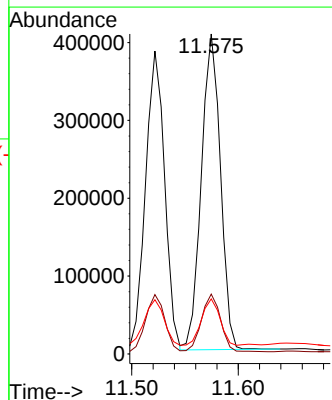
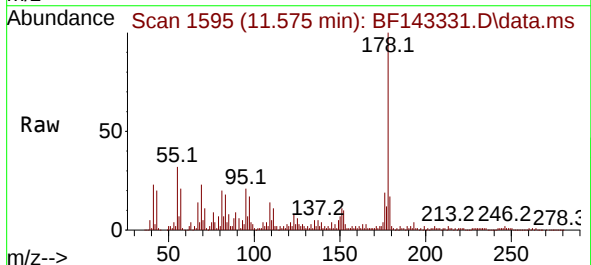
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

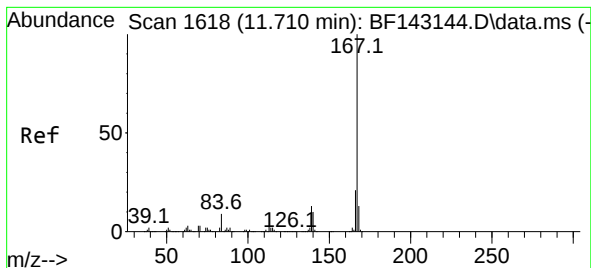
Tgt Ion:178 Resp: 481334
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 17.9 12.5 18.7



#72
Anthracene
Concen: 49.475 ng
RT: 11.575 min Scan# 1595
Delta R.T. 0.012 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:178 Resp: 506960
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 17.2 12.5 18.7





#73

Carbazole

Concen: 52.243 ng

RT: 11.722 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

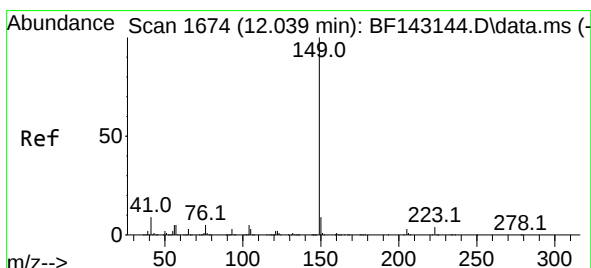
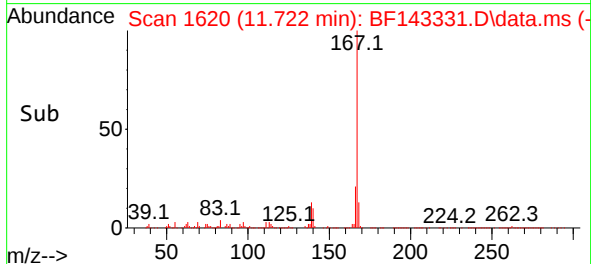
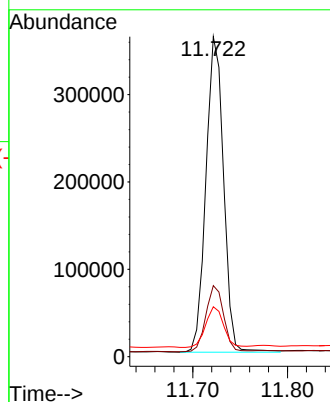
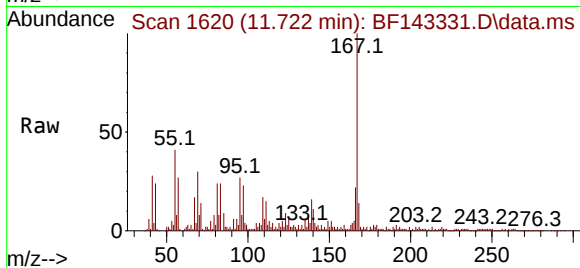
BNA_F

ClientSampleId :

500-3B-SOILMS

Tgt Ion:167 Resp: 467444

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.0	25.6
139	15.6	10.0	15.0



#74

Di-n-butylphthalate

Concen: 55.712 ng

RT: 12.051 min Scan# 1676

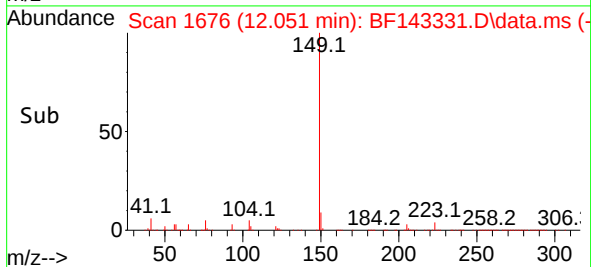
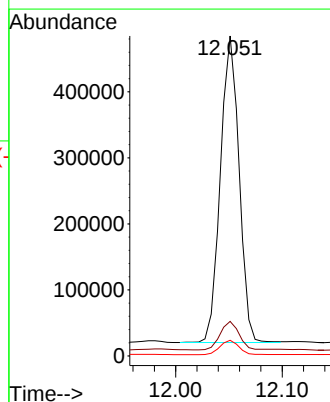
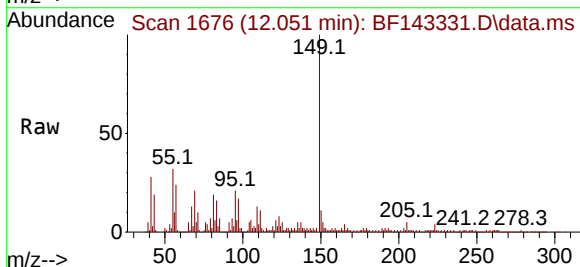
Delta R.T. 0.012 min

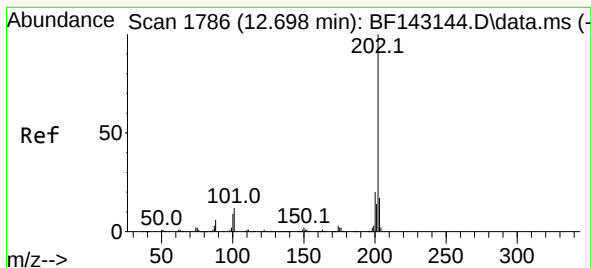
Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Tgt Ion:149 Resp: 564030

Ion	Ratio	Lower	Upper
149	100		
150	10.8	7.4	11.2
104	4.9	3.8	5.8





#75

Fluoranthene

Concen: 61.117 ng

RT: 12.716 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

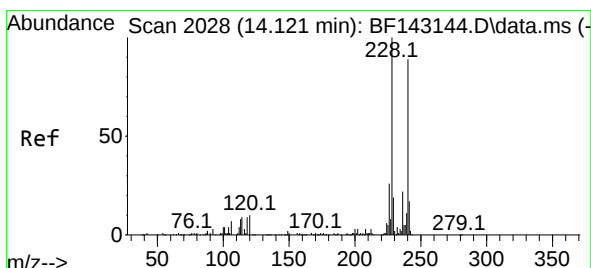
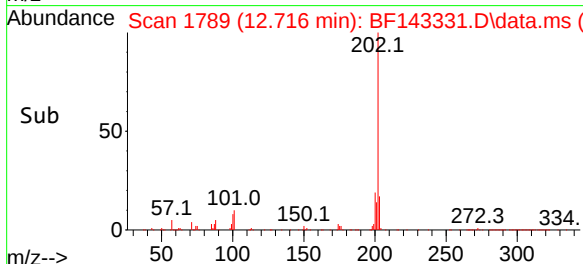
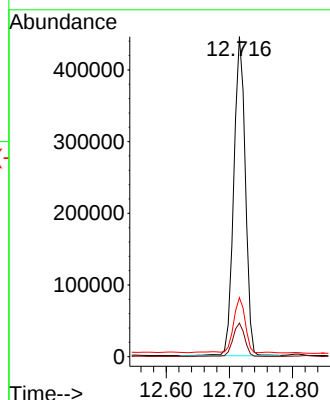
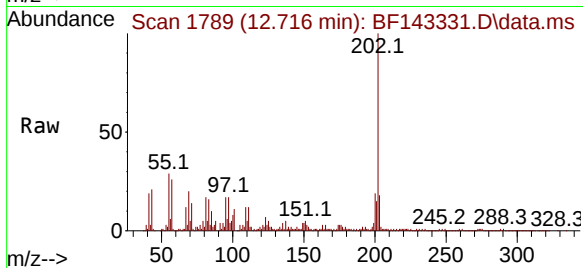
Tgt Ion:202 Resp: 563609

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.7

203 18.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 2031

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

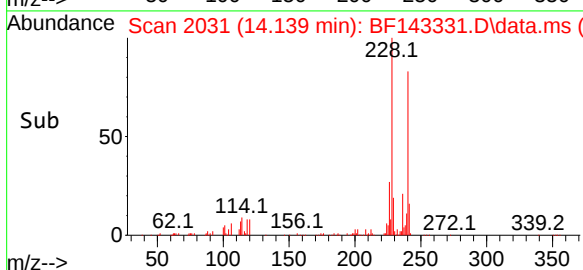
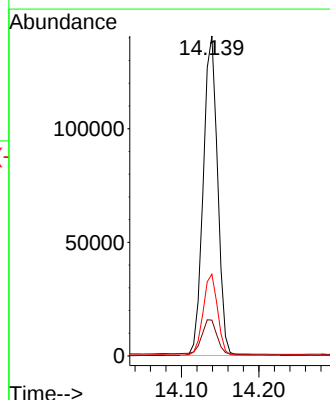
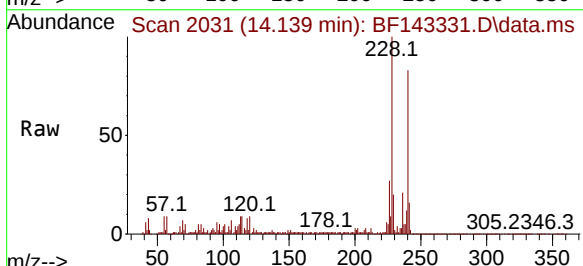
Tgt Ion:240 Resp: 180908

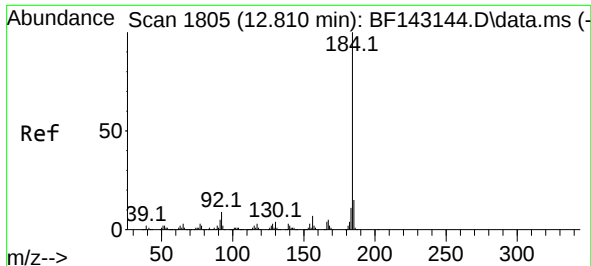
Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 25.6 20.2 30.4

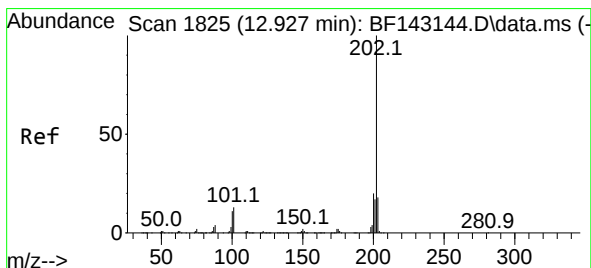
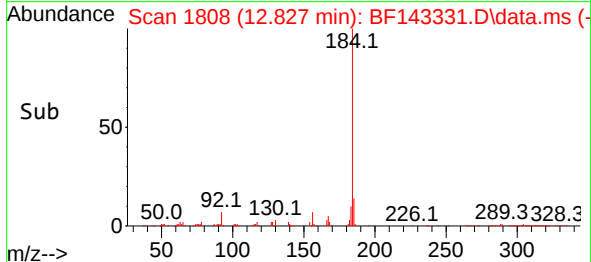
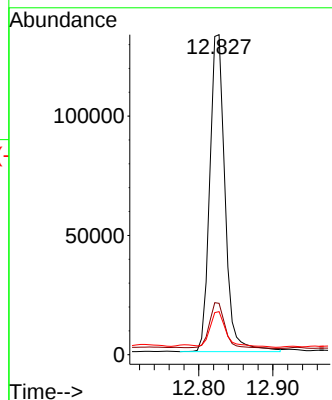
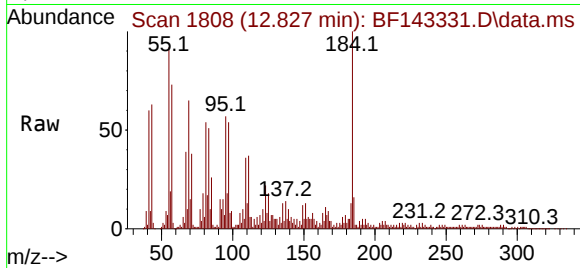




#77
Benzidine
Concen: 27.328 ng
RT: 12.827 min Scan# 1808
Delta R.T. 0.017 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

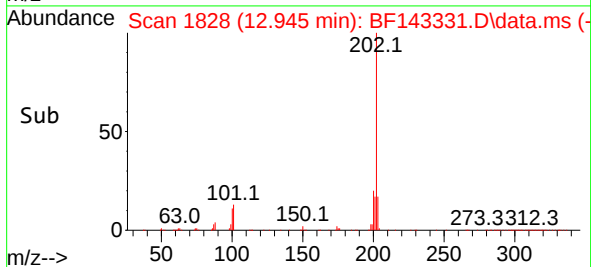
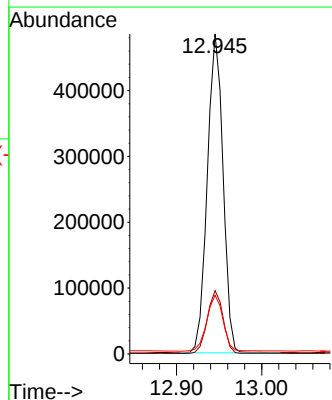
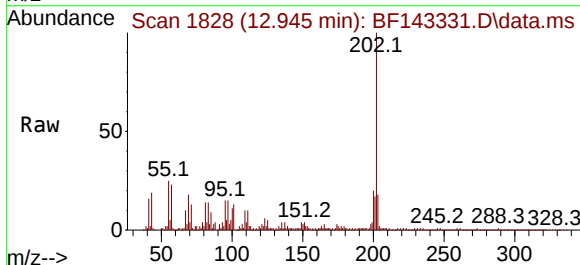
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

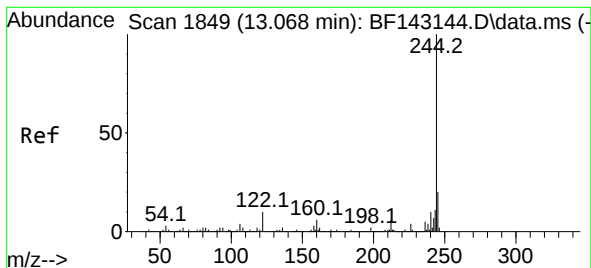
Tgt Ion:184 Resp: 190472
Ion Ratio Lower Upper
184 100
185 16.0 12.2 18.4
183 13.4 9.0 13.4#



#78
Pyrene
Concen: 40.308 ng
RT: 12.945 min Scan# 1828
Delta R.T. 0.018 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:202 Resp: 622342
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 18.4 14.2 21.2





#79

Terphenyl-d14

Concen: 43.878 ng

RT: 13.080 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

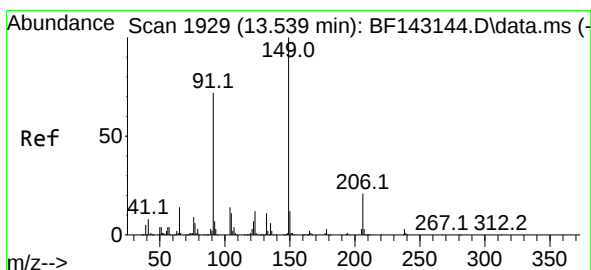
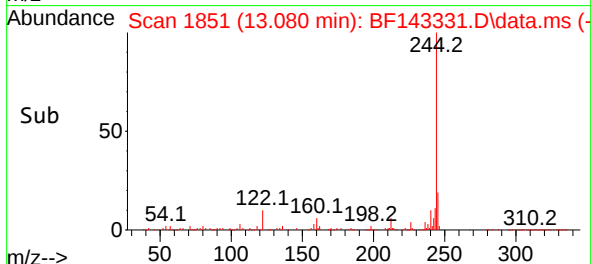
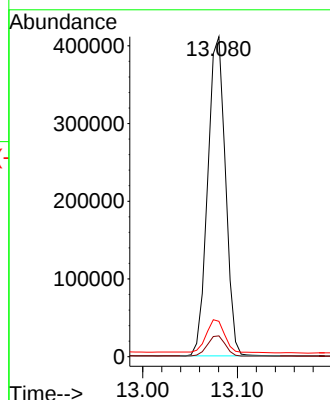
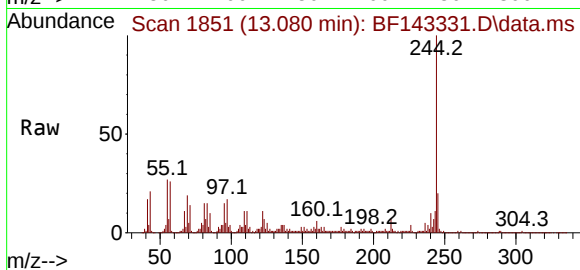
Tgt Ion:244 Resp: 533426

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 55.952 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

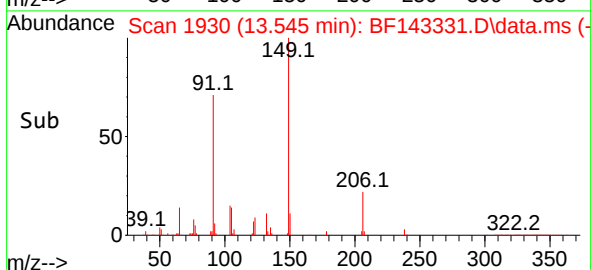
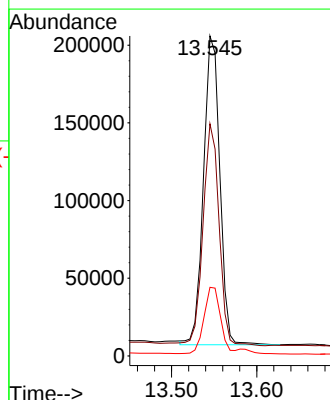
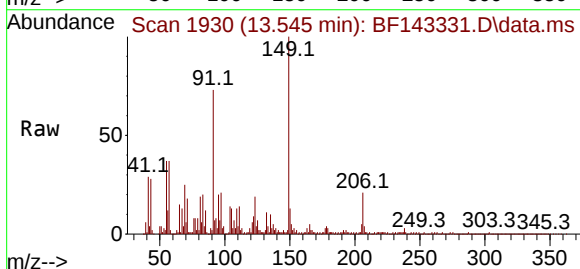
Tgt Ion:149 Resp: 264530

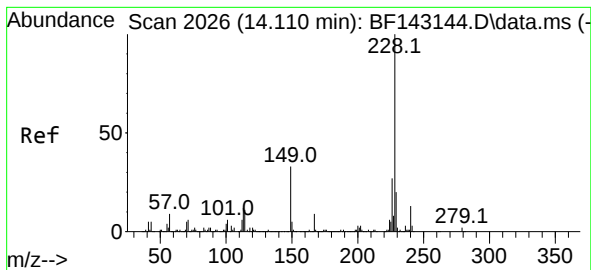
Ion Ratio Lower Upper

149 100

91 72.6 57.9 86.9

206 21.4 17.0 25.4





#81

Benzo(a)anthracene

Concen: 49.537 ng

RT: 14.127 min Scan# 2021

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

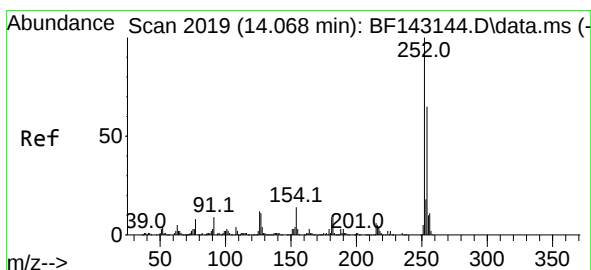
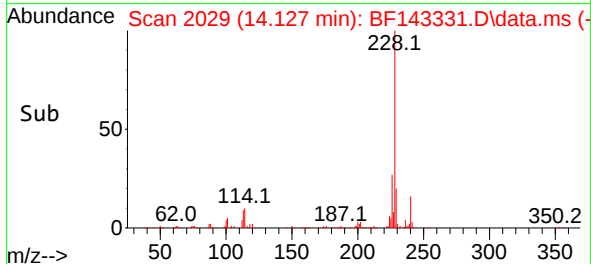
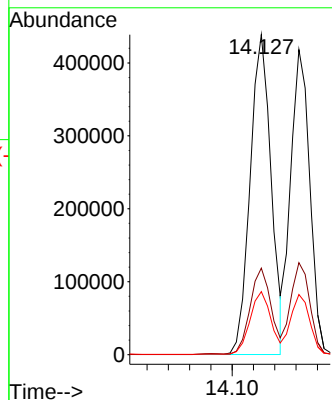
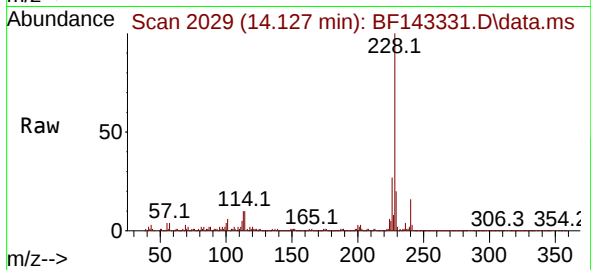
Tgt Ion:228 Resp: 599989

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.7 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 25.357 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

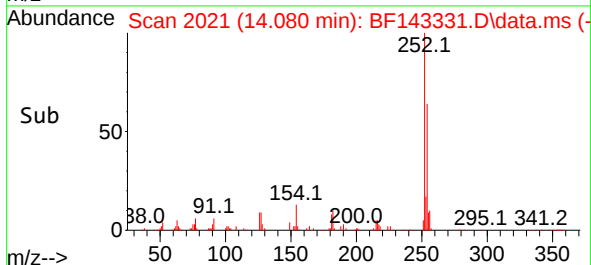
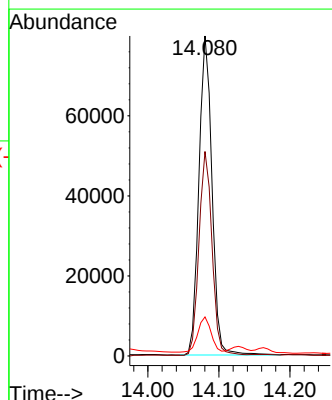
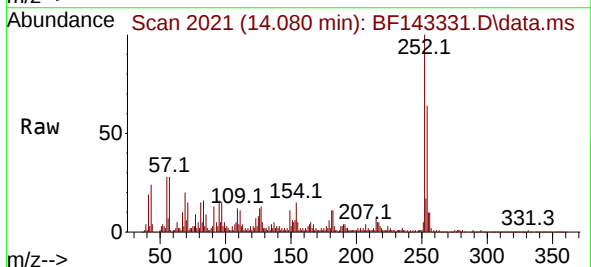
Tgt Ion:252 Resp: 102359

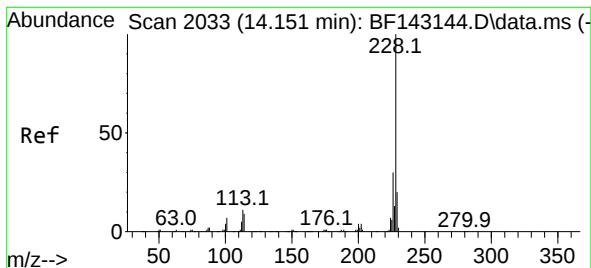
Ion Ratio Lower Upper

252 100

254 63.9 51.7 77.5

126 12.2 9.4 14.0





#83

Chrysene

Concen: 47.735 ng

RT: 14.163 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

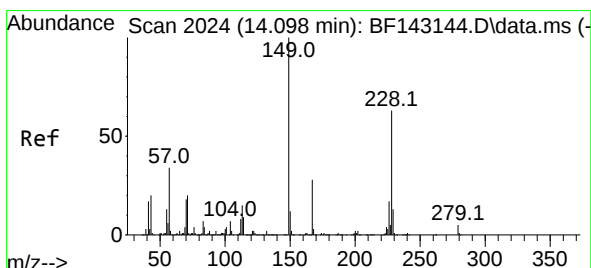
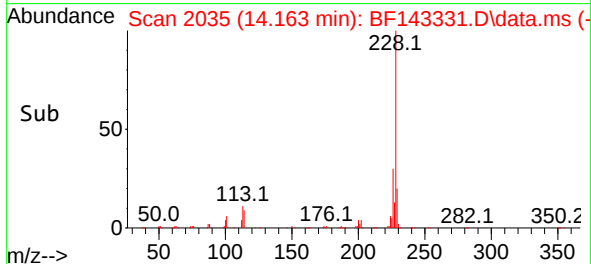
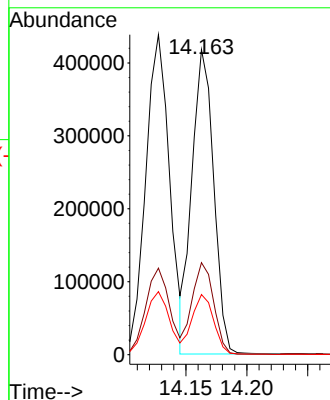
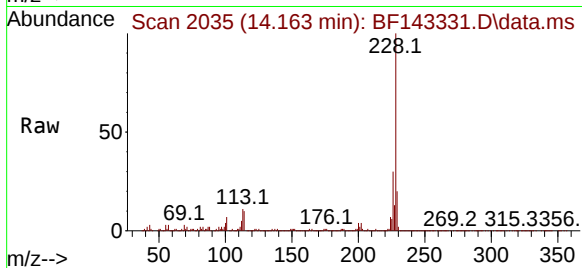
Tgt Ion:228 Resp: 519816

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.441 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

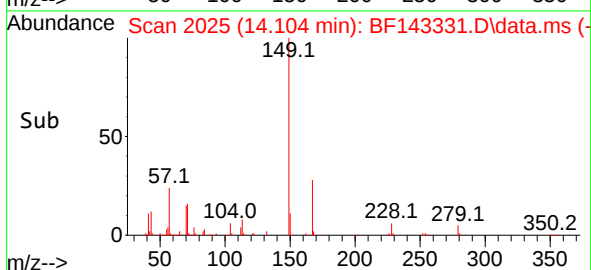
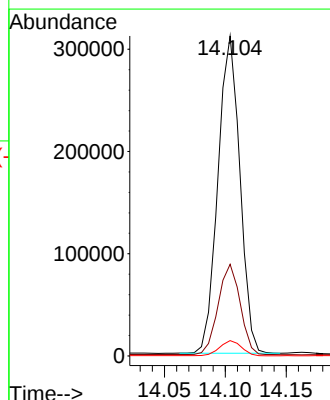
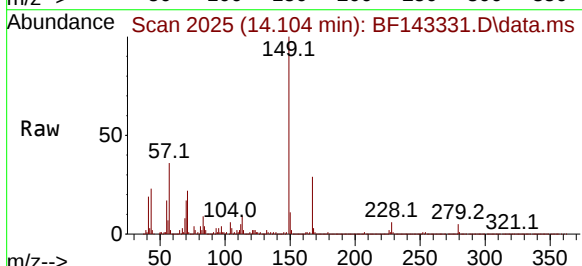
Tgt Ion:149 Resp: 389576

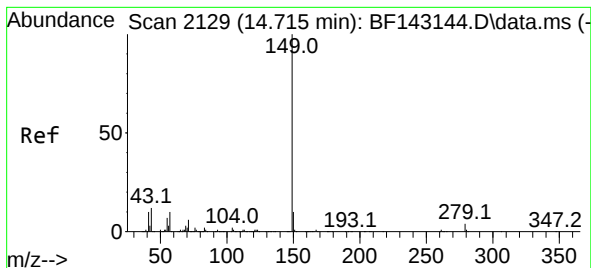
Ion Ratio Lower Upper

149 100

167 28.6 22.3 33.5

279 4.8 3.6 5.4

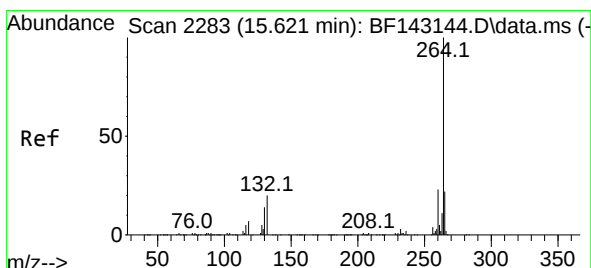
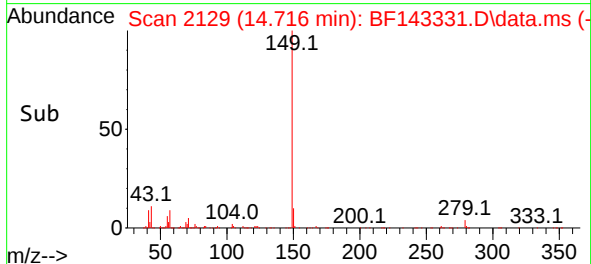
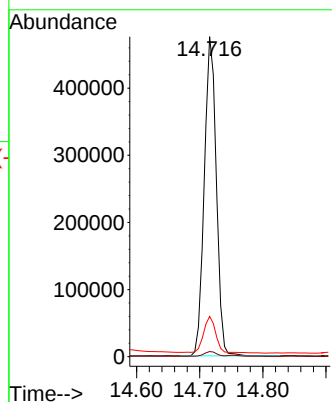
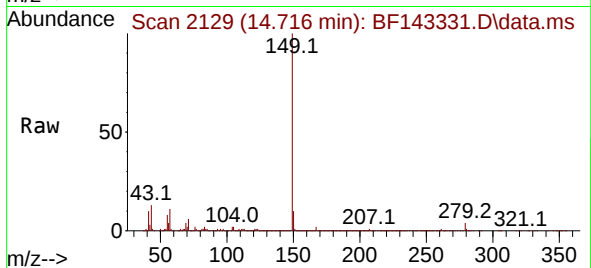




#85
Di-n-octyl phthalate
Concen: 48.542 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

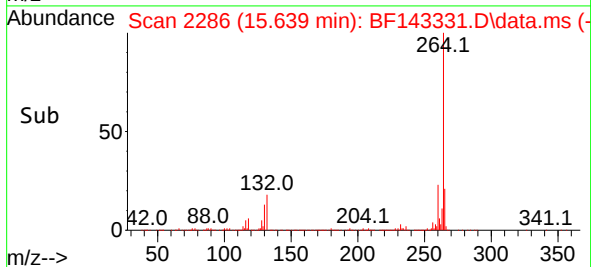
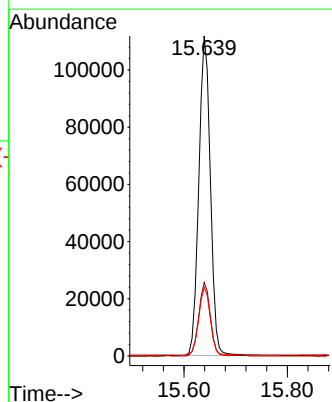
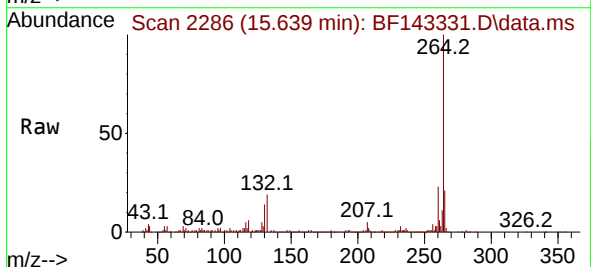
Instrument :
BNA_F
ClientSampleId :
500-3B-SOILMS

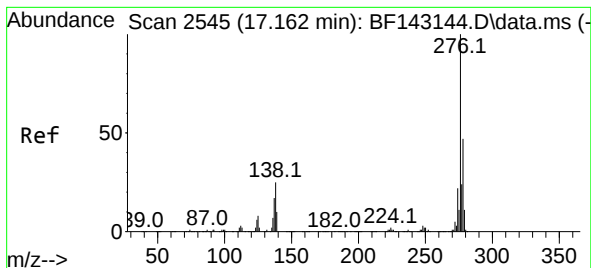
Tgt Ion:149 Resp: 629648
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.8 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BF143331.D
Acq: 06 Aug 2025 15:45

Tgt Ion:264 Resp: 173032
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.795 ng

RT: 17.186 min Scan# 2111

Delta R.T. 0.024 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

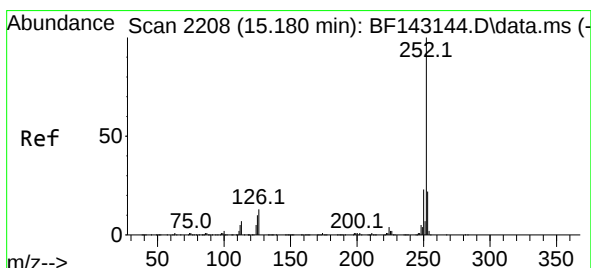
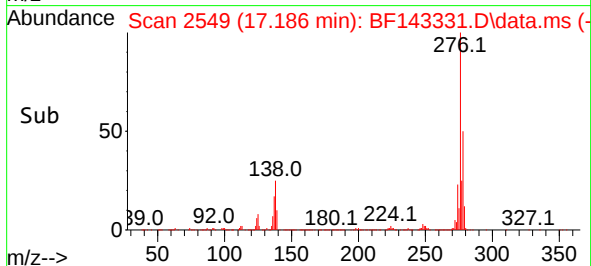
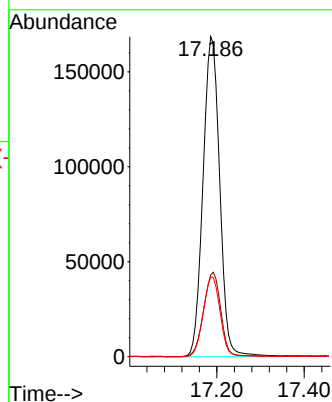
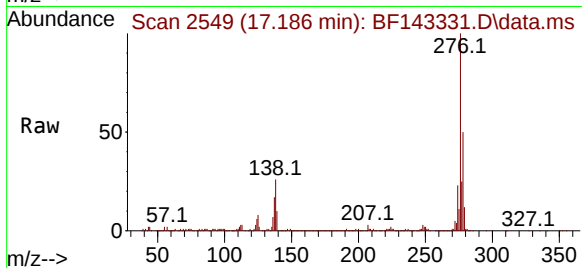
Tgt Ion:276 Resp: 448933

Ion Ratio Lower Upper

276 100

138 27.3 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 53.065 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

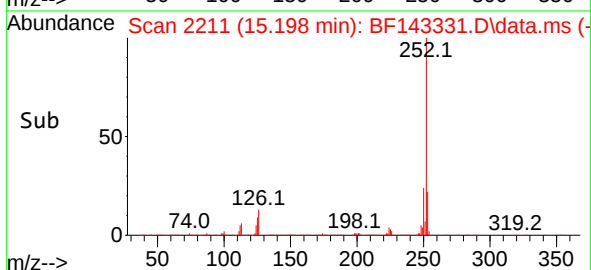
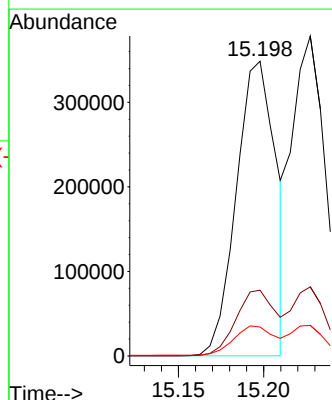
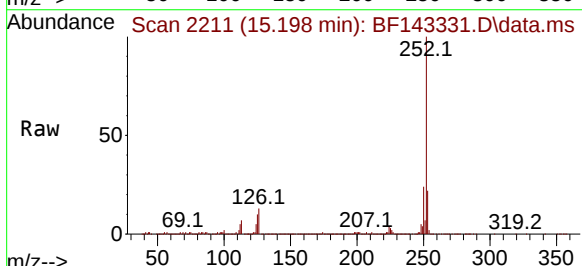
Tgt Ion:252 Resp: 560934

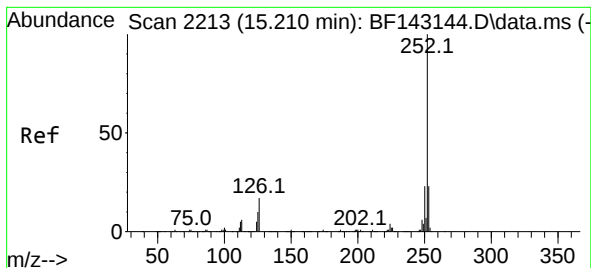
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 9.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 54.469 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

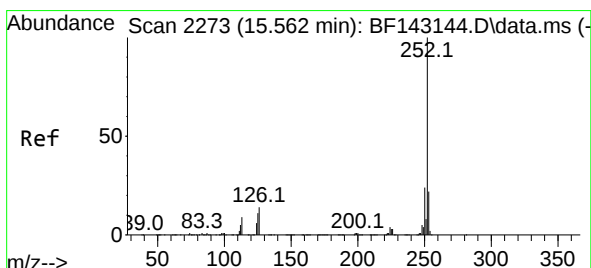
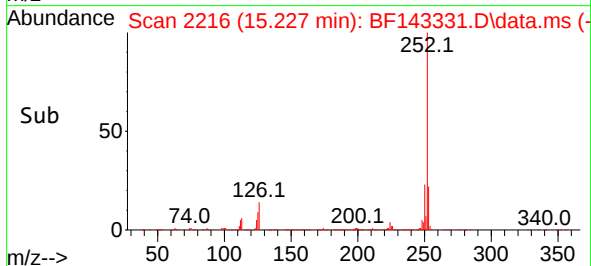
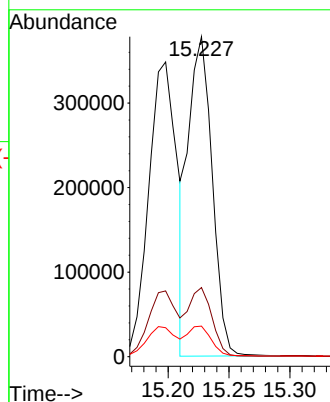
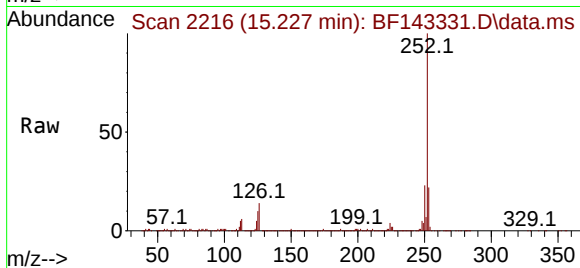
Tgt Ion:252 Resp: 513796

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 9.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 48.243 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.018 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

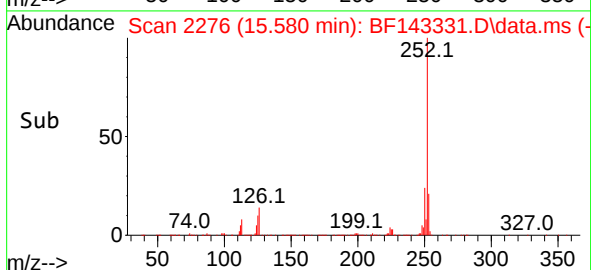
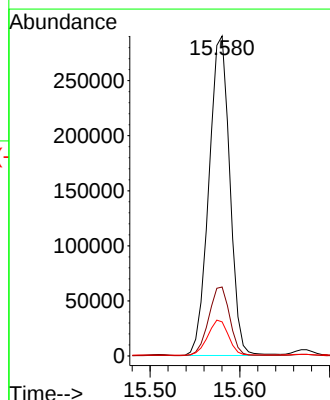
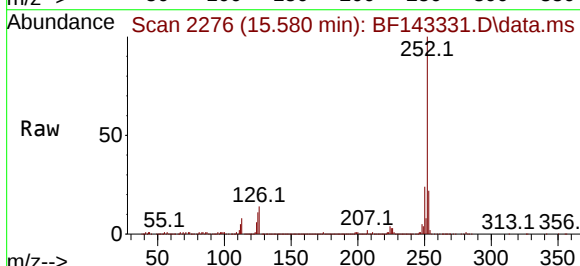
Tgt Ion:252 Resp: 469856

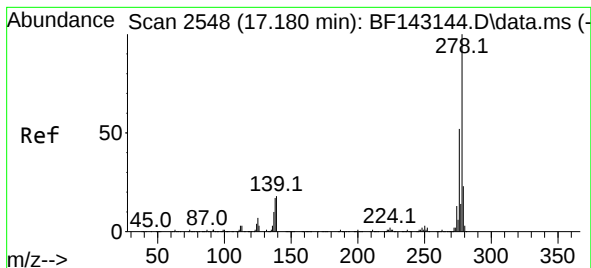
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 10.6 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 36.012 ng

RT: 17.204 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Instrument :

BNA_F

ClientSampleId :

500-3B-SOILMS

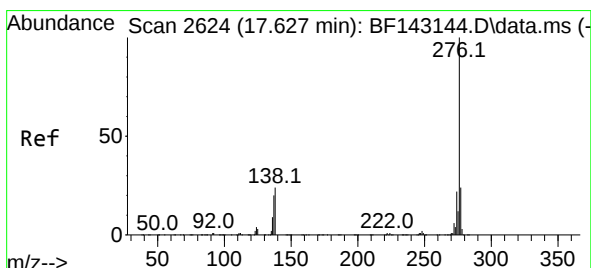
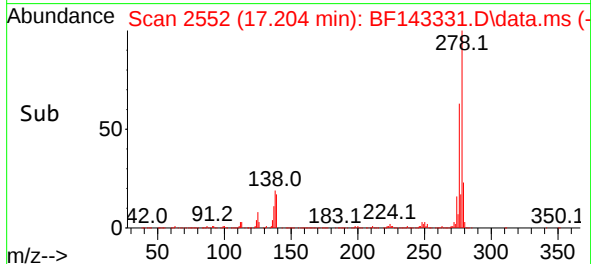
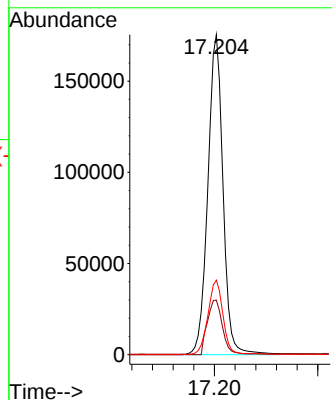
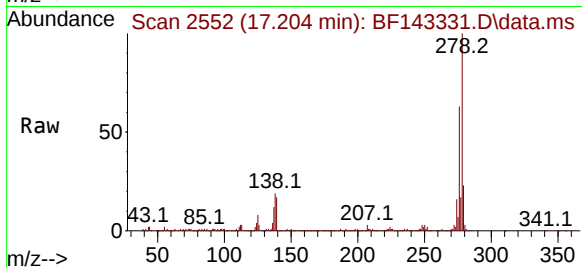
Tgt Ion:278 Resp: 357630

Ion Ratio Lower Upper

278 100

139 17.0 14.1 21.1

279 23.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 37.349 ng

RT: 17.657 min Scan# 2629

Delta R.T. 0.030 min

Lab File: BF143331.D

Acq: 06 Aug 2025 15:45

Tgt Ion:276 Resp: 358791

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 23.5 18.9 28.3

