

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141570.D
 Acq On : 11 Feb 2025 18:53
 Operator : RC/JU
 Sample : Q1346-01MS 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Quant Time: Feb 12 00:05:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	85339	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	326420	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	167243	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	253958	20.000	ng	0.00
76) Chrysene-d12	13.951	240	196367	20.000	ng	-0.01
86) Perylene-d12	15.415	264	216844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	307896	56.563	ng	0.00
7) Phenol-d6	6.434	99	379998	55.232	ng	0.00
23) Nitrobenzene-d5	7.345	82	250472	40.023	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	88273	52.542	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	411613	37.918	ng	-0.01
79) Terphenyl-d14	12.892	244	335272	28.823	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.516	88	52858	24.127	ng	99
3) Pyridine	3.246	79	101983	19.562	ng	99
4) n-Nitrosodimethylamine	3.187	42	77421	22.428	ng	99
6) Aniline	6.516	93	228822	35.455	ng	# 38
8) 2-Chlorophenol	6.581	128	139166	23.660	ng	100
9) Benzaldehyde	6.334	77	73943	20.225	ng	98
10) Phenol	6.445	94	163325	22.808	ng	# 78
11) bis(2-Chloroethyl)ether	6.516	93	230824	42.916	ng	87
12) 1,3-Dichlorobenzene	6.728	146	148507	23.916	ng	98
13) 1,4-Dichlorobenzene	6.804	146	151895	23.942	ng	98
14) 1,2-Dichlorobenzene	6.957	146	143921	24.442	ng	98
15) Benzyl Alcohol	6.934	79	114743	21.748	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	218555	23.738	ng	74
17) 2-Methylphenol	7.051	107	107540	23.364	ng	96
18) Hexachloroethane	7.298	117	56889	24.229	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	96930	23.553	ng	98
20) 3+4-Methylphenols	7.210	107	145614	24.893	ng	# 60
22) Acetophenone	7.192	105	217397	26.773	ng	# 91
24) Nitrobenzene	7.369	77	144065	23.607	ng	98
25) Isophorone	7.604	82	256307	25.686	ng	99
26) 2-Nitrophenol	7.686	139	72017	23.720	ng	96
27) 2,4-Dimethylphenol	7.728	122	109041	30.743	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	158350	24.765	ng	100
29) 2,4-Dichlorophenol	7.939	162	114466	23.885	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	125739	24.094	ng	100
31) Naphthalene	8.092	128	419200	24.671	ng	100
32) Benzoic acid	7.834	122	79688	21.630	ng	98
33) 4-Chloroaniline	8.157	127	48523	8.179	ng	98
34) Hexachlorobutadiene	8.204	225	76918	24.551	ng	99
35) Caprolactam	8.492	113	38258	26.220	ng	93
36) 4-Chloro-3-methylphenol	8.633	107	123395	23.245	ng	100
37) 2-Methylnaphthalene	8.781	142	262541	23.745	ng	99
38) 1-Methylnaphthalene	8.880	142	253289	23.652	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	138168	28.556	ng	99
41) Hexachlorocyclopentadiene	8.933	237	87602	54.434	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	77499	24.782	ng	98

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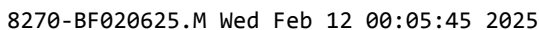
Instrument :
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83022	24.496	ng	98
46) 1,1'-Biphenyl	9.245	154	372636	28.739	ng	99
47) 2-Chloronaphthalene	9.269	162	246620	25.722	ng	99
48) 2-Nitroaniline	9.369	65	78914	24.525	ng	96
49) Acenaphthylene	9.680	152	388724	27.258	ng	99
50) Dimethylphthalate	9.545	163	289823	25.527	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60840	24.513	ng	97
52) Acenaphthene	9.857	154	253288	26.418	ng	97
53) 3-Nitroaniline	9.775	138	34702	12.990	ng	100
54) 2,4-Dinitrophenol	9.892	184	47683	32.325	ng	93
55) Dibenzofuran	10.027	168	355550	25.265	ng	99
56) 4-Nitrophenol	9.951	139	86624	43.682	ng	97
57) 2,4-Dinitrotoluene	10.010	165	84058	25.440	ng	95
58) Fluorene	10.369	166	287294	26.403	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	65772	22.541	ng	94
60) Diethylphthalate	10.245	149	279792	25.047	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	132236	25.261	ng	97
62) 4-Nitroaniline	10.386	138	49055	18.085	ng	100
63) Azobenzene	10.522	77	301790	27.176	ng	93
65) 4,6-Dinitro-2-methylph...	10.422	198	32277	18.296	ng	98
66) n-Nitrosodiphenylamine	10.480	169	226494	27.861	ng	100
67) 4-Bromophenyl-phenylether	10.851	248	76746	27.039	ng	98
68) Hexachlorobenzene	10.916	284	77020	26.352	ng	97
69) Atrazine	11.010	200	80769	33.118	ng	98
70) Pentachlorophenol	11.116	266	77932	41.701	ng	99
71) Phenanthrene	11.333	178	636429	45.527	ng	100
72) Anthracene	11.386	178	445427	31.697	ng	99
73) Carbazole	11.539	167	327508	25.902	ng	99
74) Di-n-butylphthalate	11.869	149	393995	26.986	ng	100
75) Fluoranthene	12.521	202	718589	48.485	ng	99
77) Benzidine	12.645	184	101327	23.397	ng	99
78) Pyrene	12.751	202	672365	40.223	ng	99
80) Butylbenzylphthalate	13.368	149	142711	24.648	ng	99
81) Benzo(a)anthracene	13.939	228	579125	44.367	ng	99
82) 3,3'-Dichlorobenzidine	13.904	252	90134	24.106	ng	99
83) Chrysene	13.980	228	452918	37.578	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	198551	30.405	ng	99
85) Di-n-octyl phthalate	14.557	149	343418	36.864	ng	99
87) Indeno(1,2,3-cd)pyrene	16.856	276	357297	26.667	ng	99
88) Benzo(b)fluoranthene	14.998	252	554429	38.079	ng	99
89) Benzo(k)fluoranthene	14.998	252	554429	44.594	ng	99
90) Benzo(a)pyrene	15.357	252	457607	38.841	ng	99
91) Dibenzo(a,h)anthracene	16.868	278	247965	22.840	ng	99
92) Benzo(g,h,i)perylene	17.286	276	261735	23.038	ng	99

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

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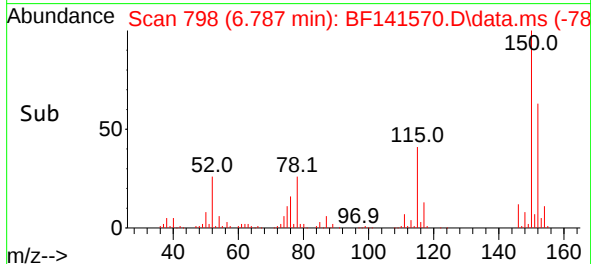
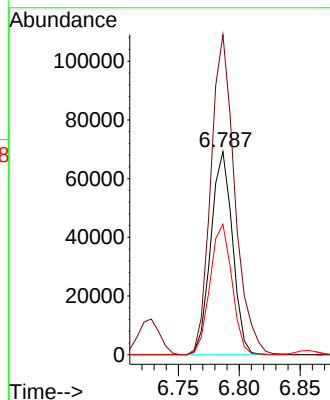
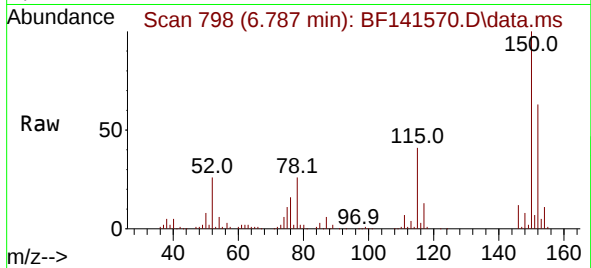




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF141570.D
 Acq: 11 Feb 2025 18:53

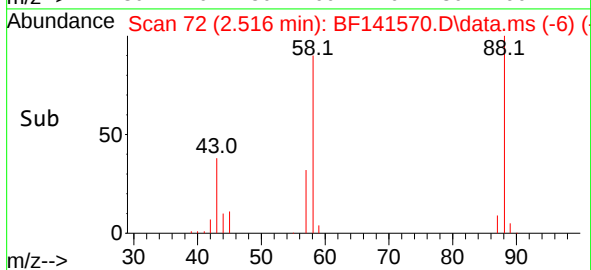
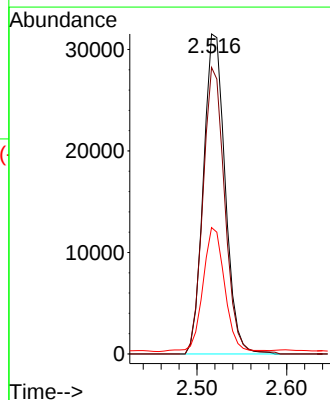
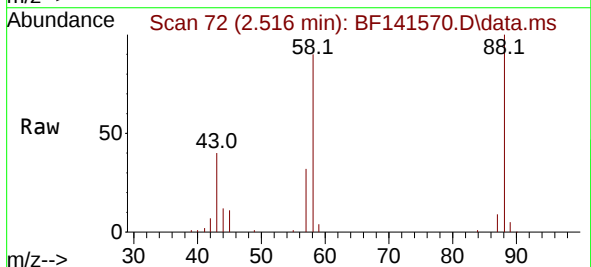
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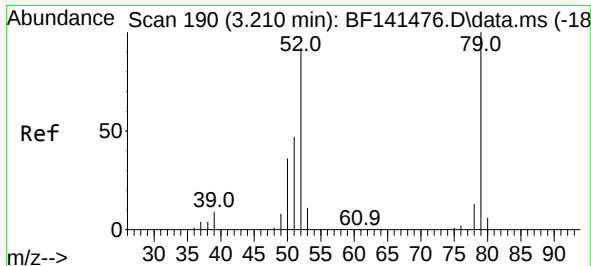
Tgt Ion:152 Resp: 85339
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.0 187.4
 115 64.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 24.127 ng
 RT: 2.516 min Scan# 72
 Delta R.T. 0.035 min
 Lab File: BF141570.D
 Acq: 11 Feb 2025 18:53

Tgt Ion: 88 Resp: 52858
 Ion Ratio Lower Upper
 88 100
 58 89.9 71.1 106.7
 43 38.9 30.6 46.0

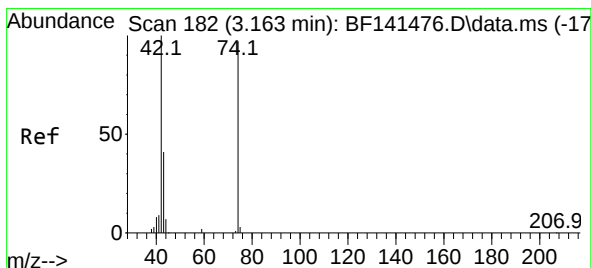
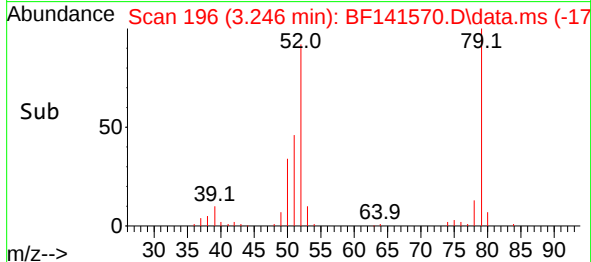
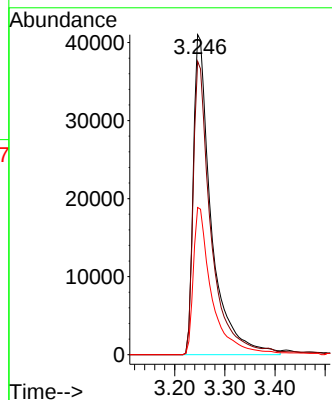
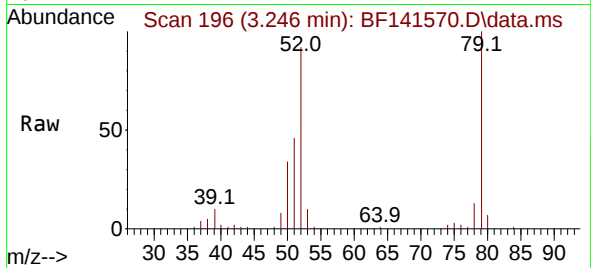




#3
Pyridine
Concen: 19.562 ng
RT: 3.246 min Scan# 190
Delta R.T. 0.029 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

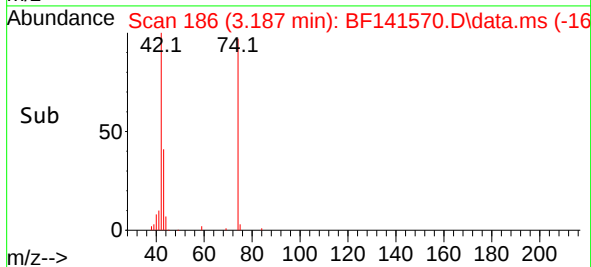
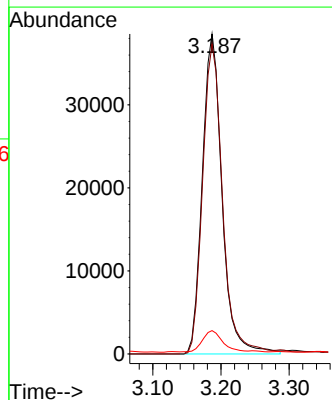
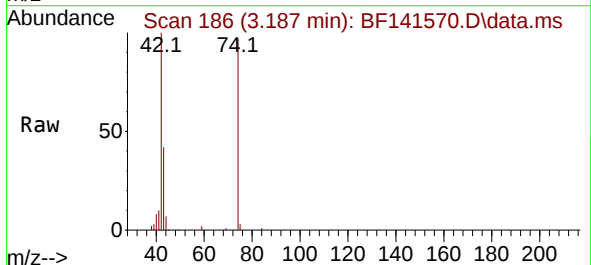
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 79 Resp: 101983
Ion Ratio Lower Upper
79 100
52 91.6 73.7 110.5
51 46.0 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 22.428 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion: 42 Resp: 77421
Ion Ratio Lower Upper
42 100
74 96.8 78.0 117.0
44 7.3 5.4 8.2

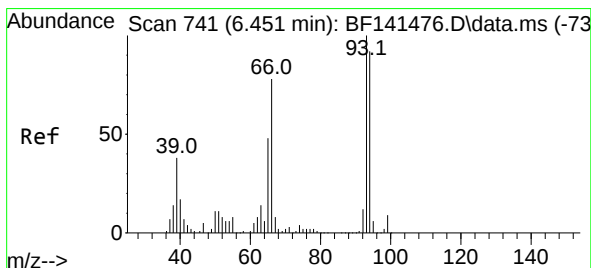
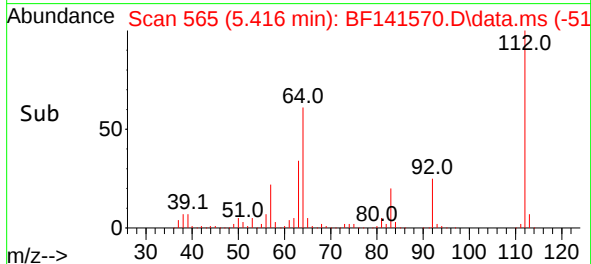
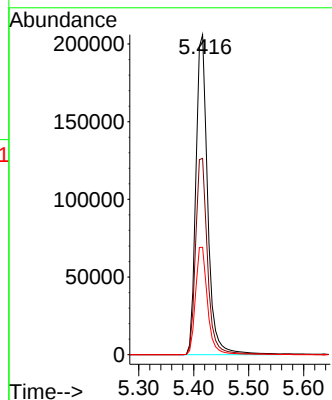
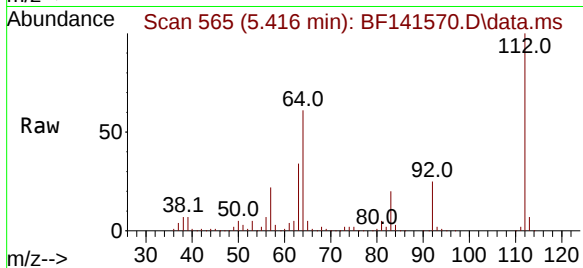




#5
2-Fluorophenol
Concen: 56.563 ng
RT: 5.416 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

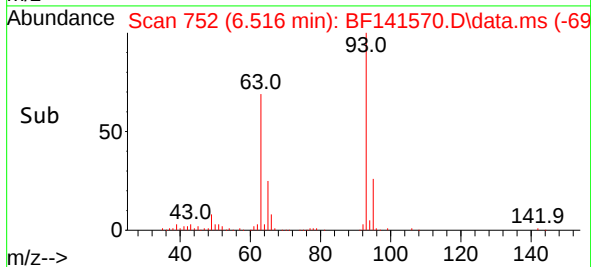
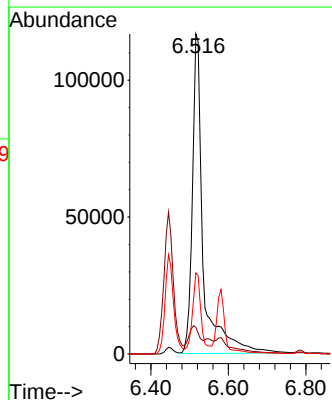
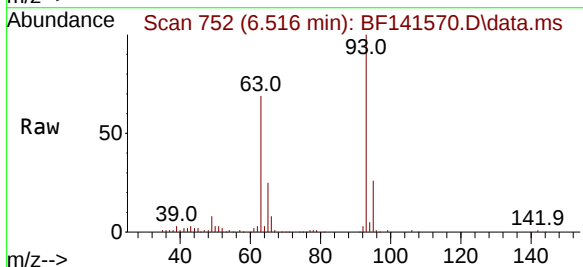
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:112 Resp: 307896
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 33.6 28.4 42.6



#6
Aniline
Concen: 35.455 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.053 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion: 93 Resp: 228822
Ion Ratio Lower Upper
93 100
66 8.3 62.6 94.0#
65 25.4 38.3 57.5#

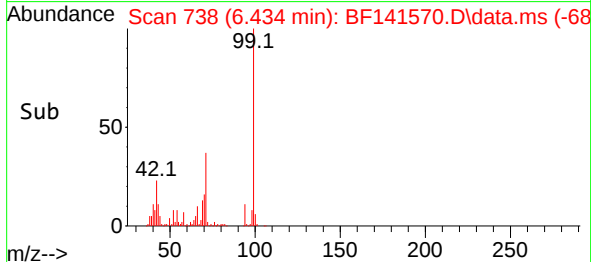
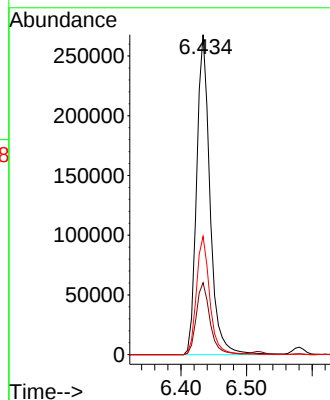
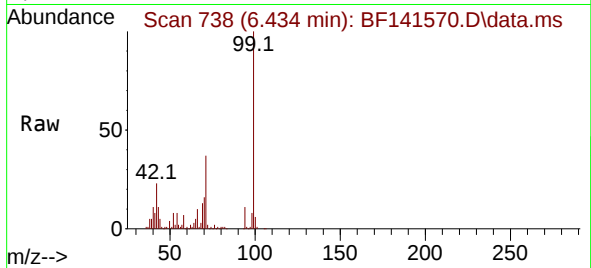




#7
Phenol-d6
Concen: 55.232 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

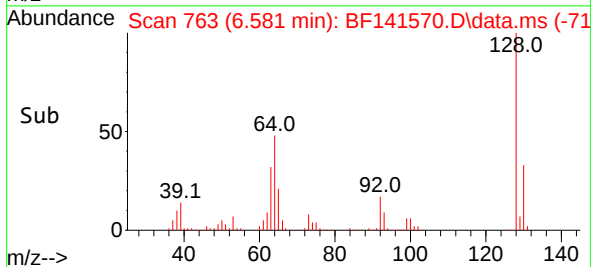
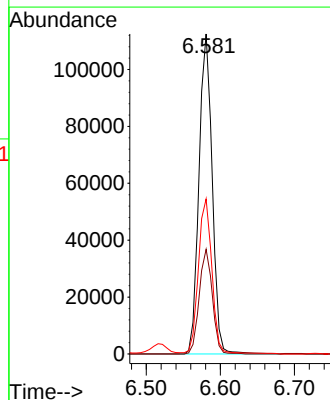
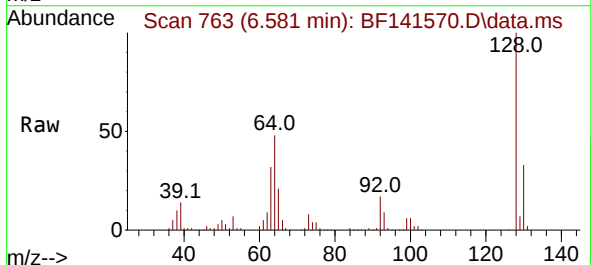
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ClientSampleId :
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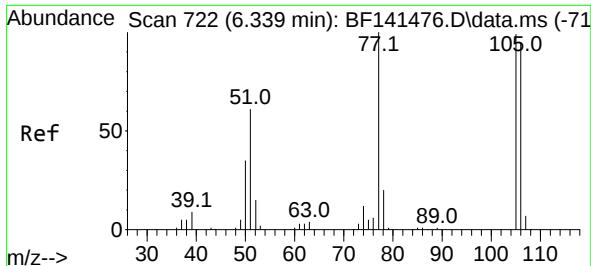
Tgt Ion: 99 Resp: 379998
Ion Ratio Lower Upper
99 100
42 22.5 19.1 28.7
71 37.0 31.1 46.7



#8
2-Chlorophenol
Concen: 23.660 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion: 128 Resp: 139166
Ion Ratio Lower Upper
128 100
130 32.7 12.7 52.7
64 48.5 28.3 68.3

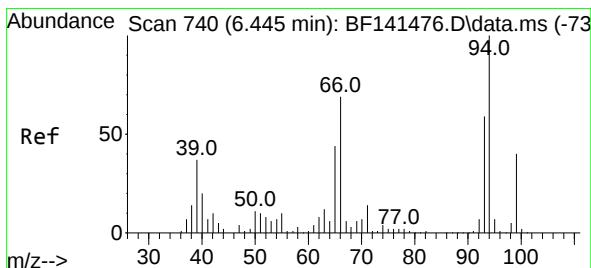
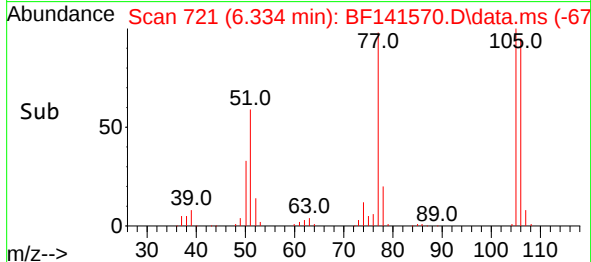
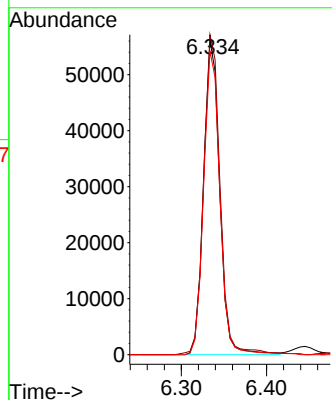
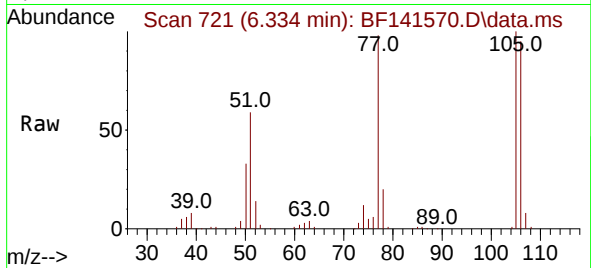




#9
Benzaldehyde
Concen: 20.225 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

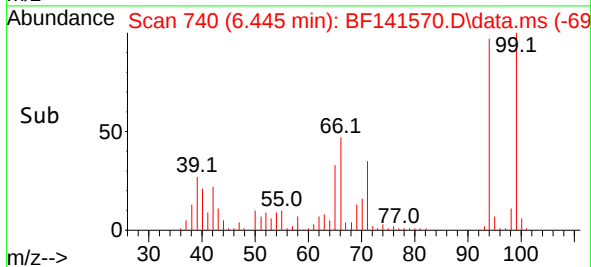
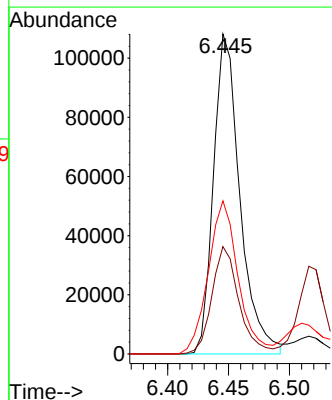
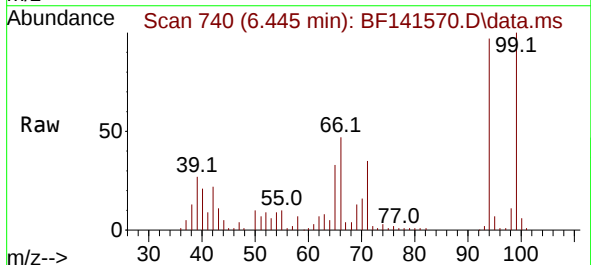
Instrument :
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ClientSampleId :
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Tgt Ion: 77 Resp: 73943
Ion Ratio Lower Upper
77 100
105 101.7 79.4 119.4
106 96.5 75.1 115.1



#10
Phenol
Concen: 22.808 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion: 94 Resp: 163325
Ion Ratio Lower Upper
94 100
65 33.6 23.7 63.7
66 47.8 49.3 89.3#

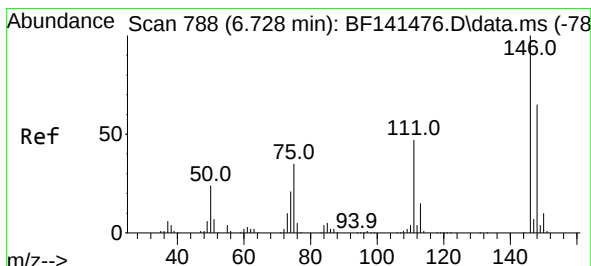
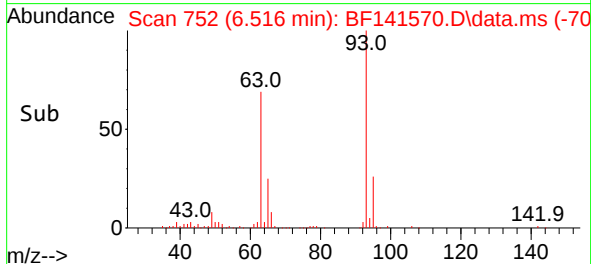
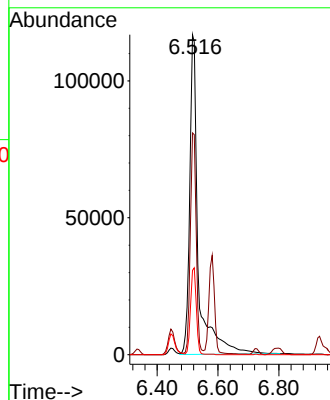
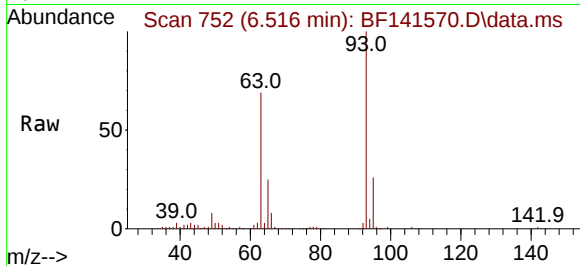




#11
bis(2-Chloroethyl)ether
Concen: 42.916 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

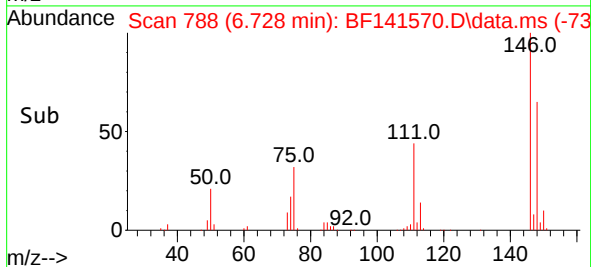
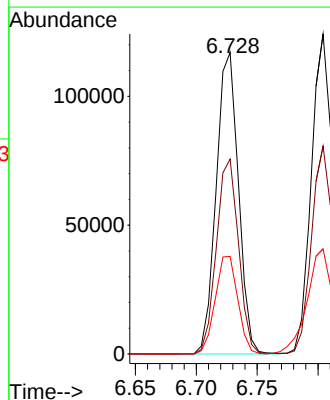
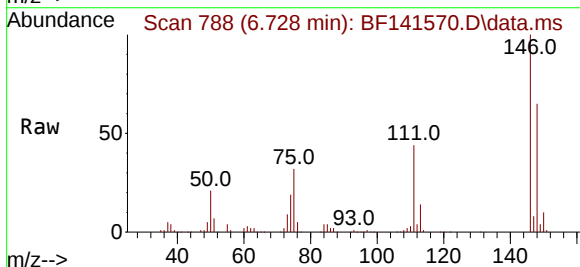
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 93 Resp: 230824
Ion Ratio Lower Upper
93 100
63 69.3 62.0 102.0
95 26.4 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 23.916 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:146 Resp: 148507
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
75 32.4 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 23.942 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

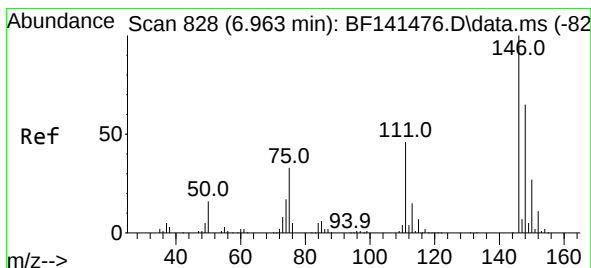
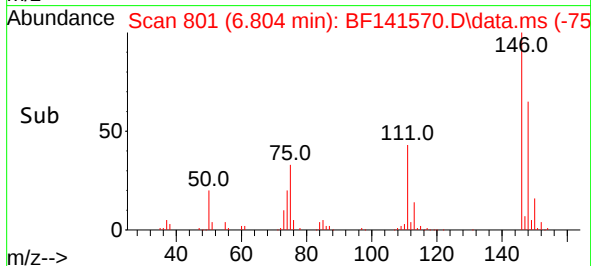
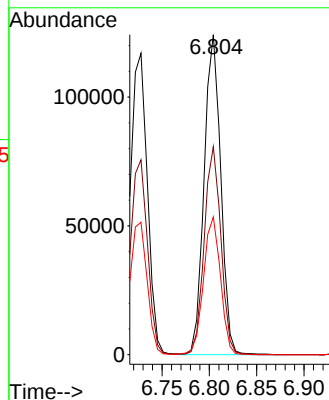
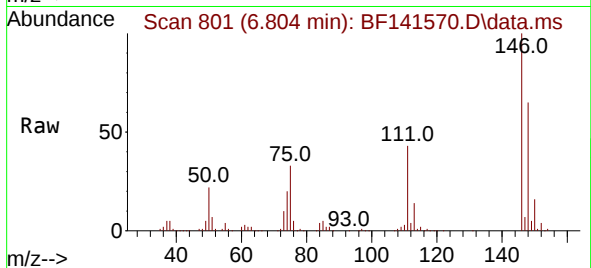
Tgt Ion:146 Resp: 151895

Ion Ratio Lower Upper

146 100

148 65.0 50.9 76.3

111 43.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 24.442 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

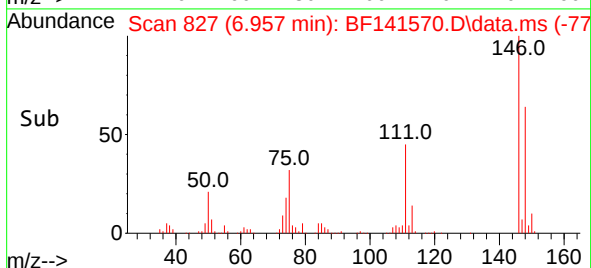
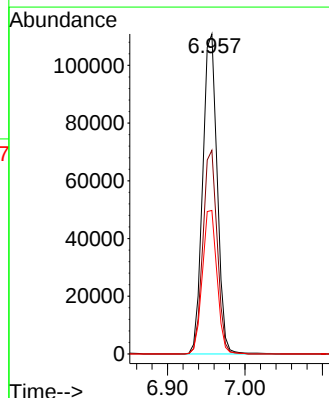
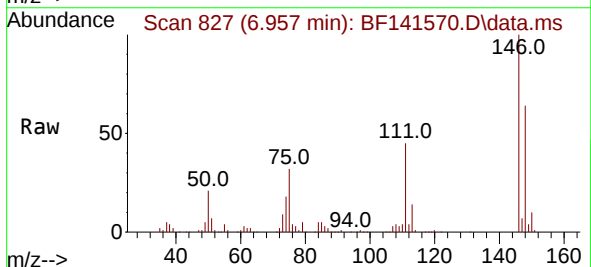
Tgt Ion:146 Resp: 143921

Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

111 44.8 37.0 55.4

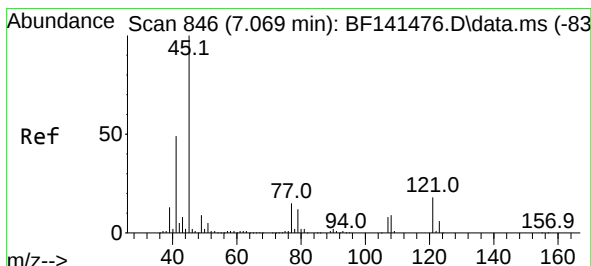
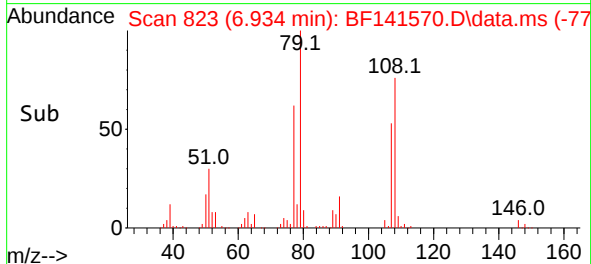
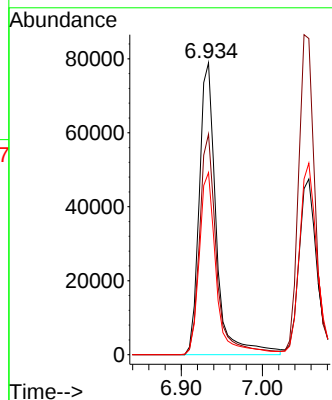
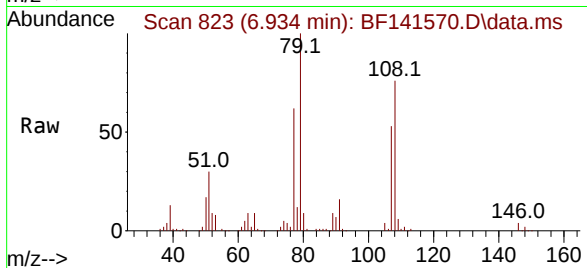




#15
Benzyl Alcohol
Concen: 21.748 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

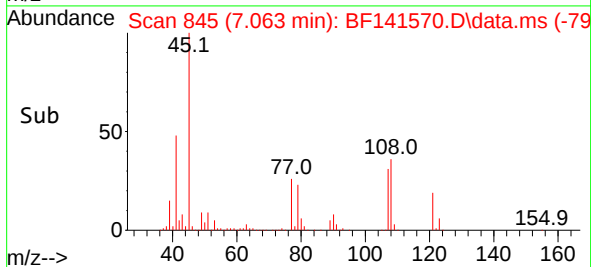
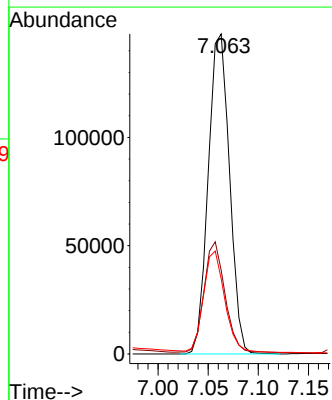
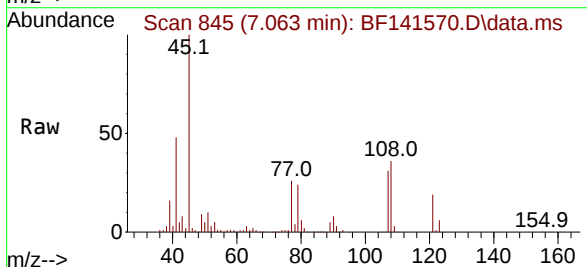
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

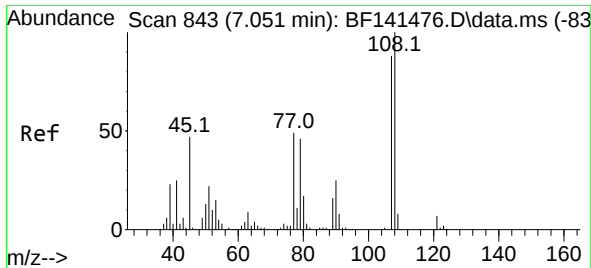
Tgt Ion: 79 Resp: 114743
Ion Ratio Lower Upper
79 100
108 75.5 57.4 86.2
77 62.4 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 23.738 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion: 45 Resp: 218555
Ion Ratio Lower Upper
45 100
77 26.2 0.0 35.8
79 23.5 0.0 32.7

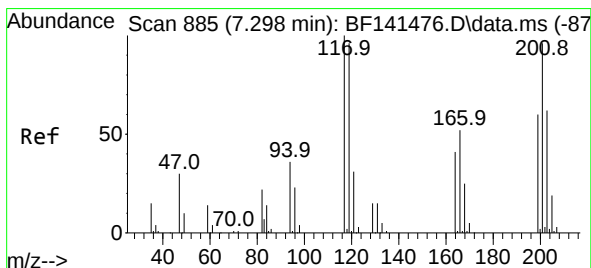
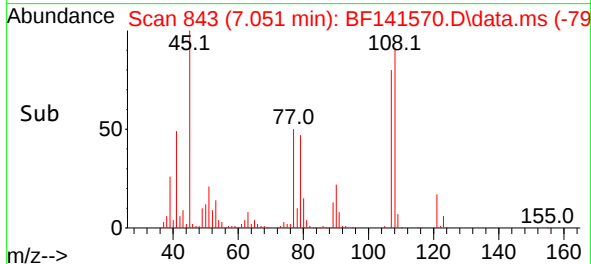
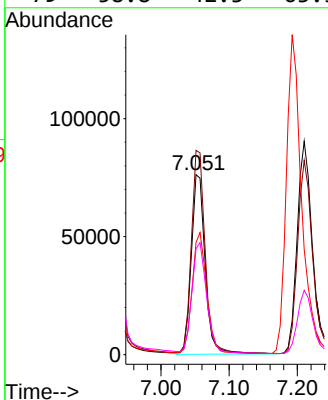
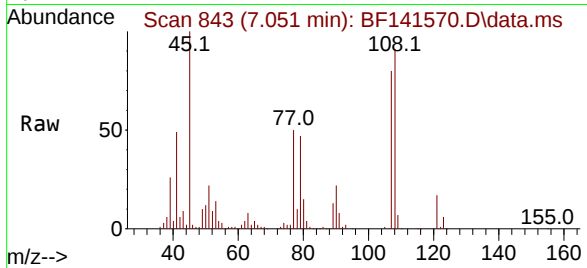




#17
2-Methylphenol
Concen: 23.364 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

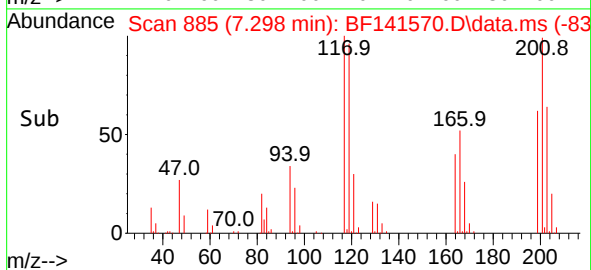
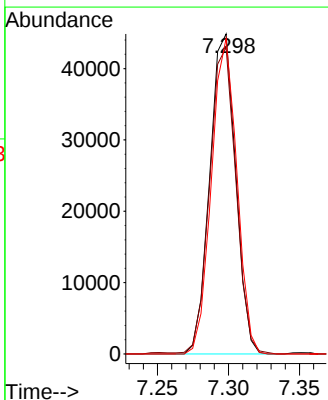
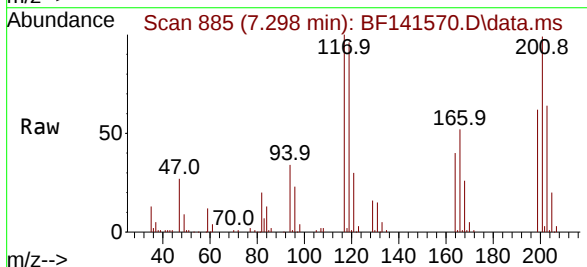
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:107 Resp: 107540
Ion Ratio Lower Upper
107 100
108 113.4 90.6 136.0
77 62.3 44.4 66.6
79 58.8 42.3 63.5



#18
Hexachloroethane
Concen: 24.229 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:117 Resp: 56889
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7
201 98.6 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 23.553 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.018 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tgt Ion: 70 Resp: 96930

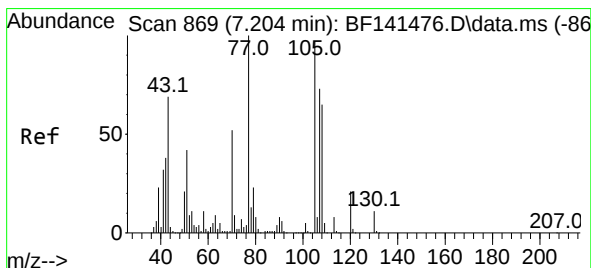
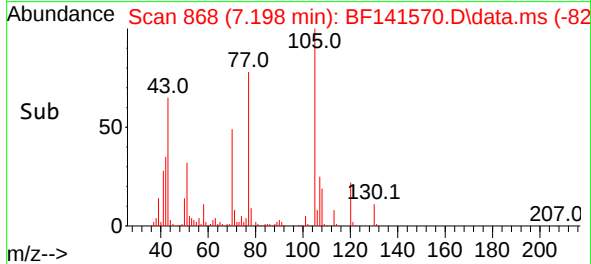
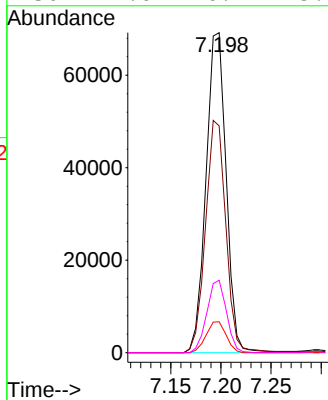
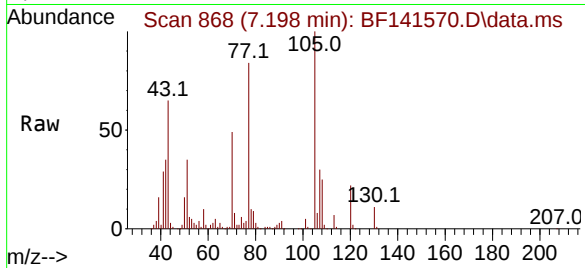
Ion Ratio Lower Upper

70 100

42 70.8 57.4 86.2

101 9.6 8.0 12.0

130 22.6 16.9 25.3



#20

3+4-Methylphenols

Concen: 24.893 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Tgt Ion: 107 Resp: 145614

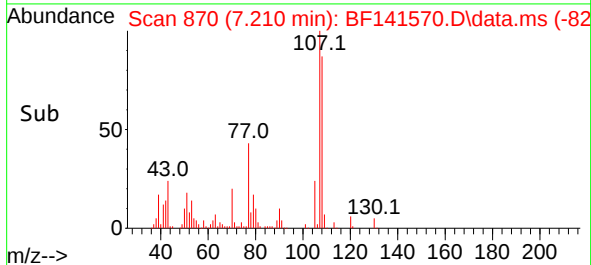
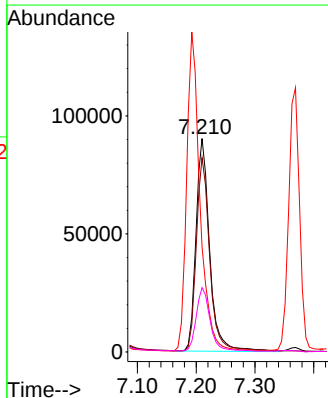
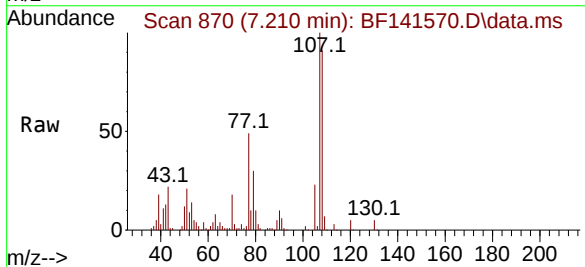
Ion Ratio Lower Upper

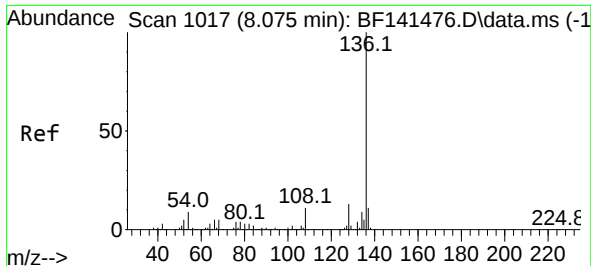
107 100

108 91.0 68.5 108.5

77 49.4 116.5 156.5#

79 30.2 12.0 52.0

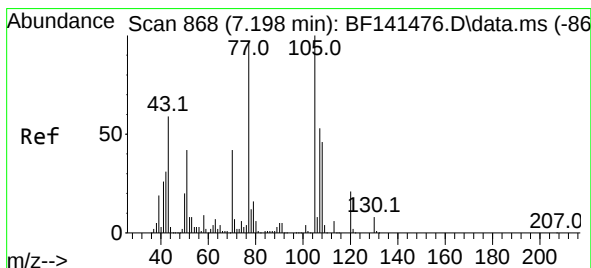
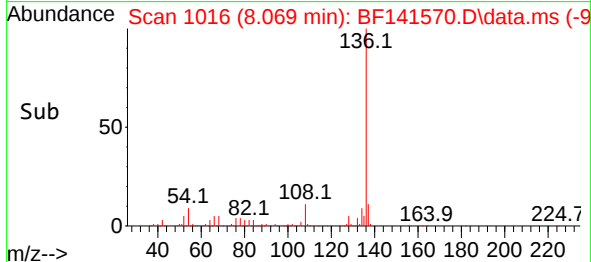
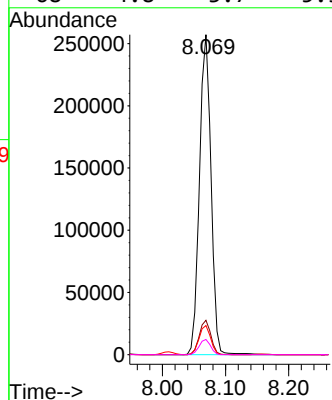
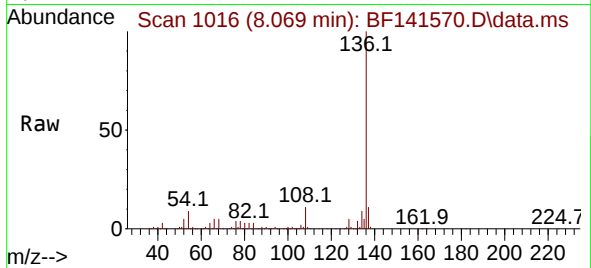




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

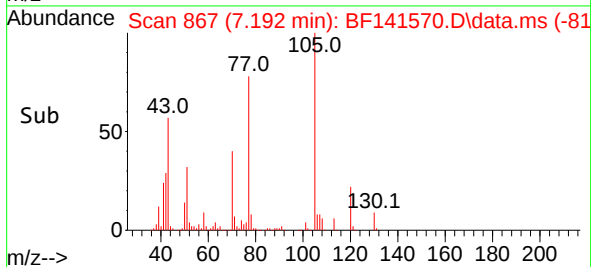
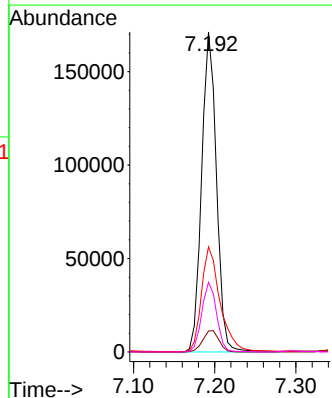
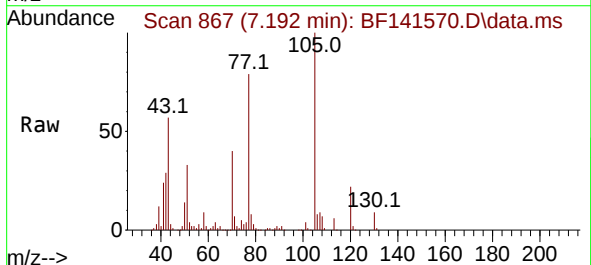
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:136 Resp: 326420
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.2 10.8
68 4.8 3.7 5.5



#22
Acetophenone
Concen: 26.773 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:105 Resp: 217397
Ion Ratio Lower Upper
105 100
71 6.5 5.7 8.5
51 32.8 33.7 50.5#
120 21.8 17.0 25.6





#23

Nitrobenzene-d5

Concen: 40.023 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

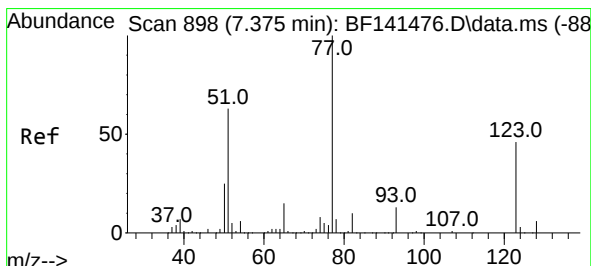
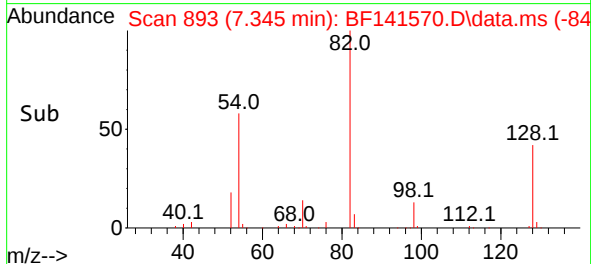
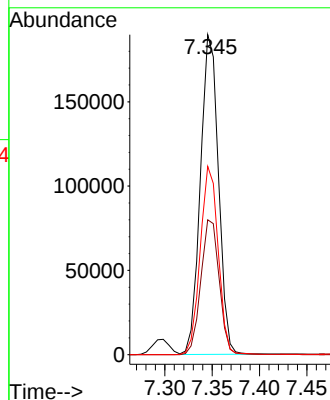
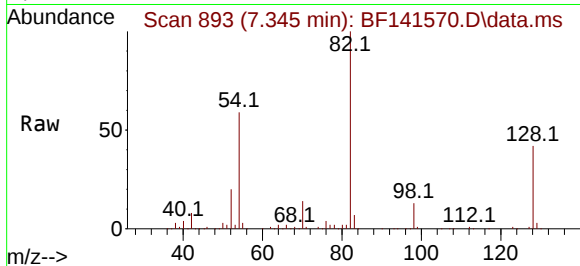
Tgt Ion: 82 Resp: 250472

Ion Ratio Lower Upper

82 100

128 42.2 34.8 52.2

54 58.8 48.2 72.4



#24

Nitrobenzene

Concen: 23.607 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

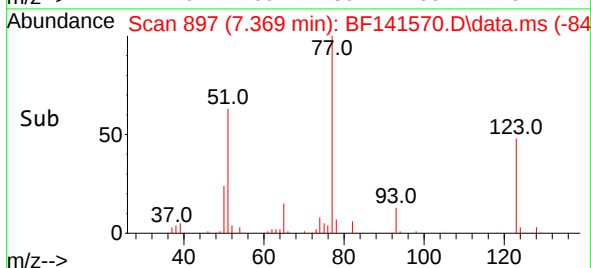
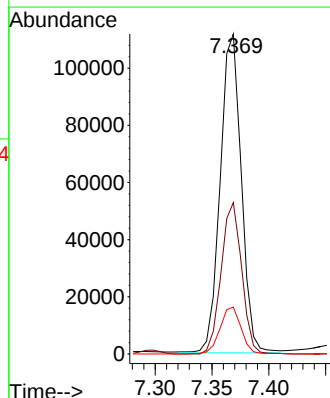
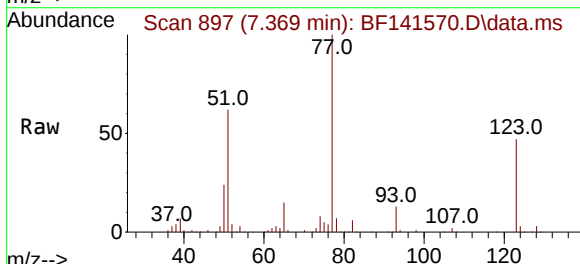
Tgt Ion: 77 Resp: 144065

Ion Ratio Lower Upper

77 100

123 47.3 36.9 55.3

65 14.6 11.9 17.9

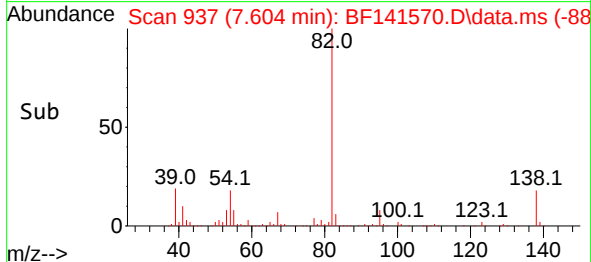
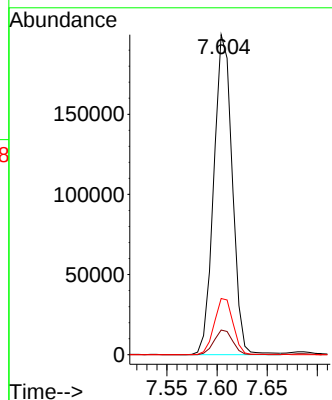
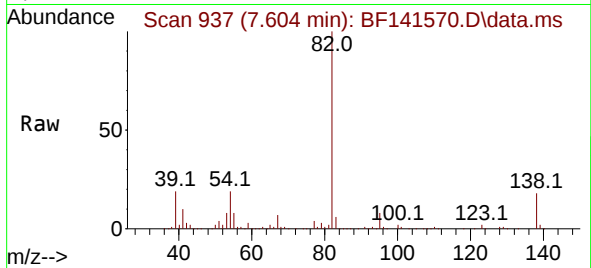




#25
Isophorone
Concen: 25.686 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

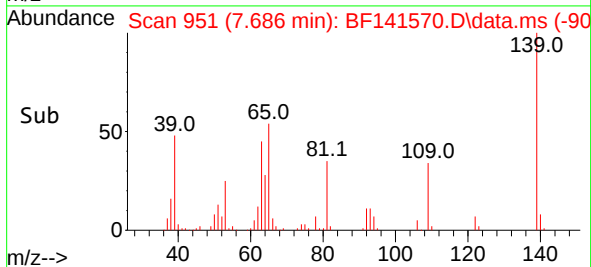
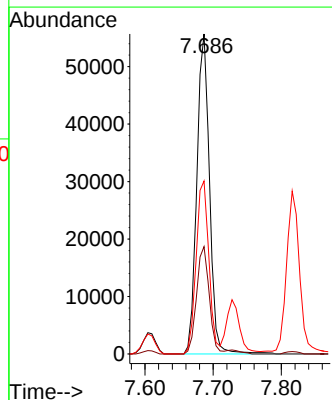
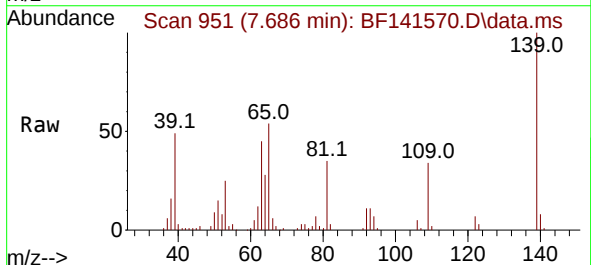
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 82 Resp: 256307
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 17.6 13.9 20.9



#26
2-Nitrophenol
Concen: 23.720 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion: 139 Resp: 72017
Ion Ratio Lower Upper
139 100
109 33.5 27.0 40.6
65 54.1 47.1 70.7

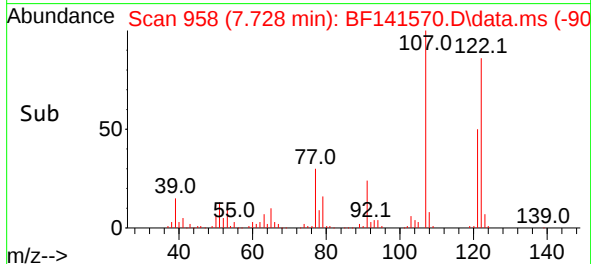
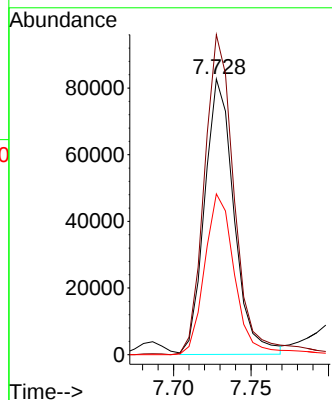
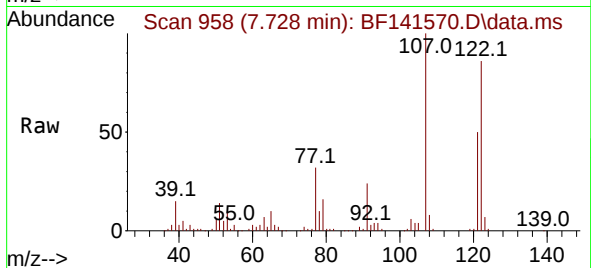




#27
2,4-Dimethylphenol
Concen: 30.743 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

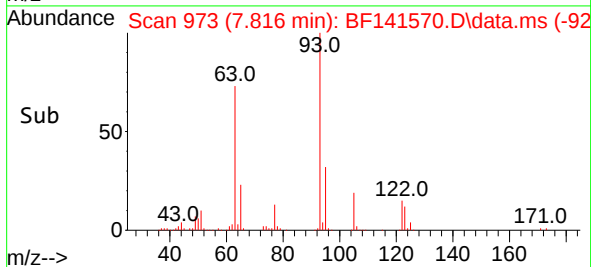
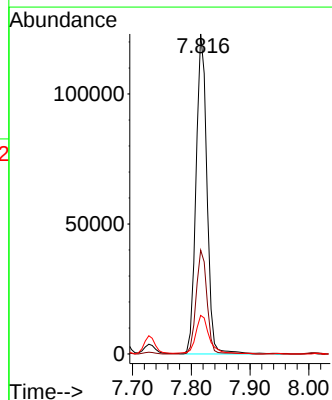
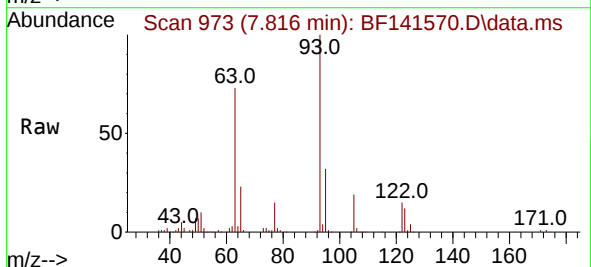
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:	122	Resp:	109041
Ion	Ratio	Lower	Upper
122	100		
107	116.1	94.3	141.5
121	58.4	46.0	69.0



#28
bis(2-Chloroethoxy)methane
Concen: 24.765 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:	93	Resp:	158350
Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	12.0	9.5	14.3

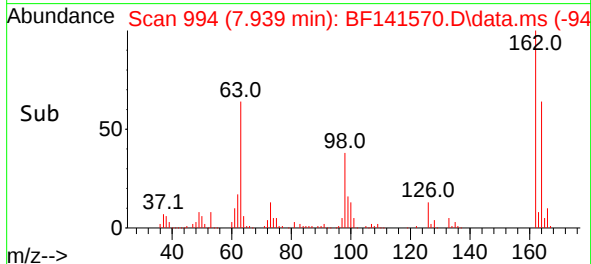
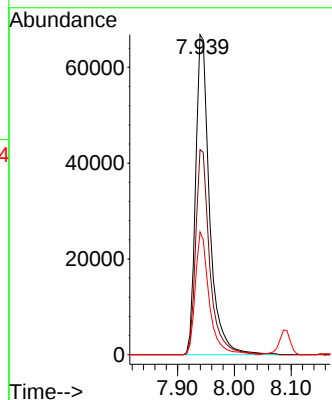
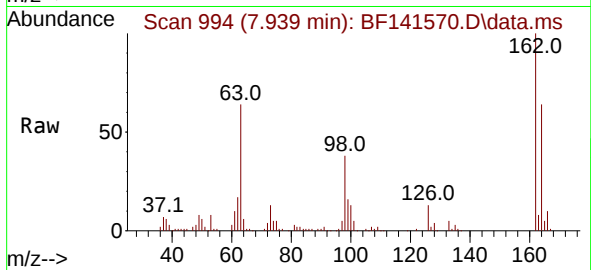




#29
2,4-Dichlorophenol
Concen: 23.885 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

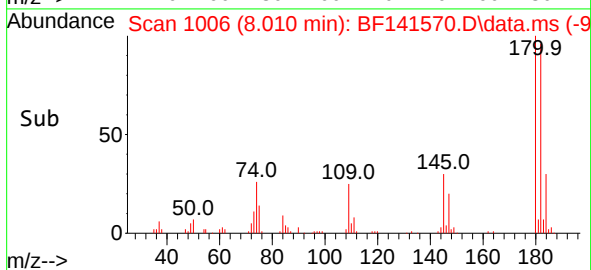
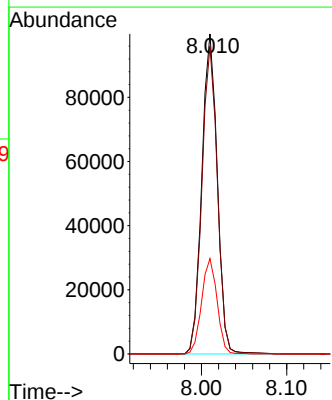
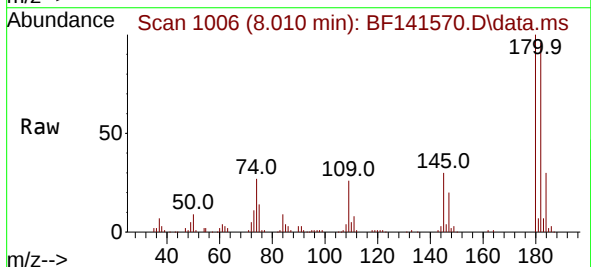
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:162 Resp: 114466
Ion Ratio Lower Upper
162 100
164 64.0 44.6 84.6
98 38.4 17.2 57.2



#30
1,2,4-Trichlorobenzene
Concen: 24.094 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:180 Resp: 125739
Ion Ratio Lower Upper
180 100
182 96.1 76.8 115.2
145 29.8 24.2 36.4

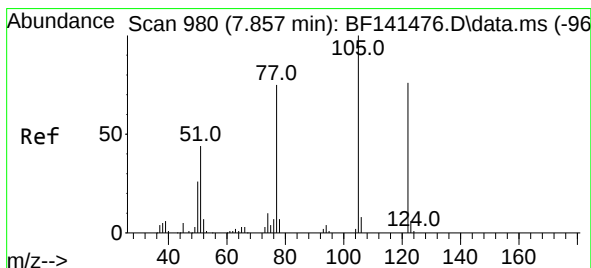
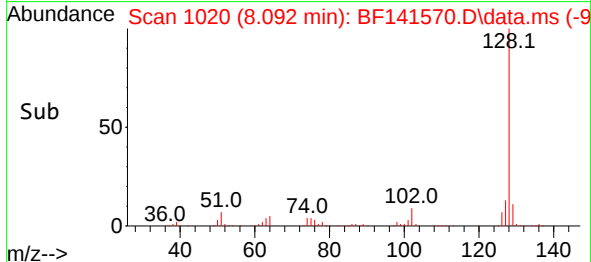
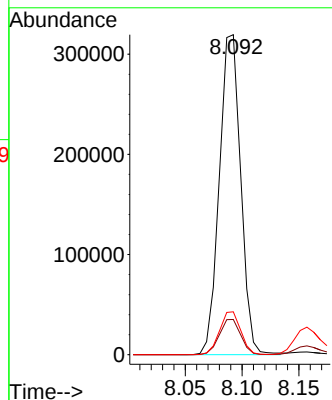
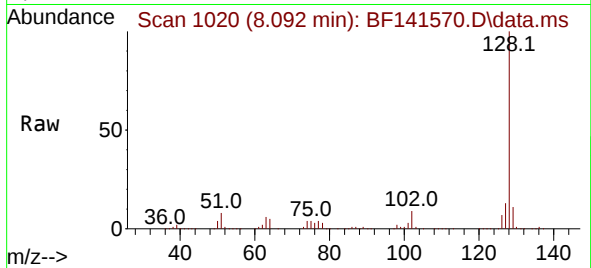




#31
Naphthalene
Concen: 24.671 ng
RT: 8.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

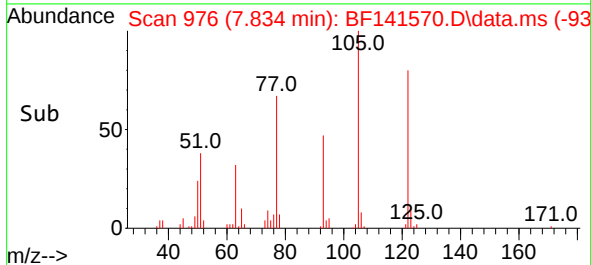
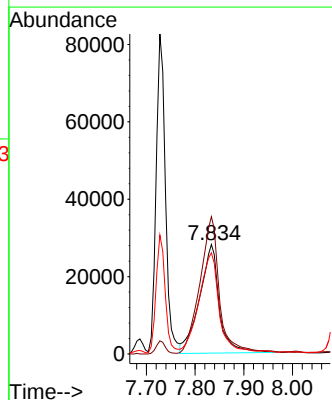
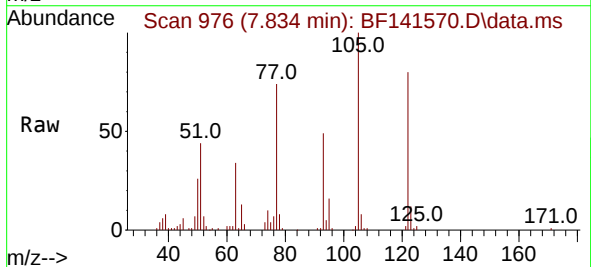
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

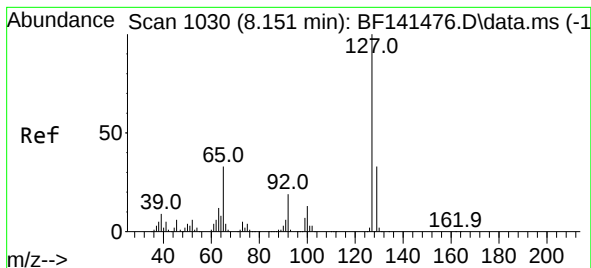
Tgt Ion:128 Resp: 419200
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 21.630 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.059 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:122 Resp: 79688
Ion Ratio Lower Upper
122 100
105 125.3 106.5 146.5
77 92.4 76.3 116.3





#33

4-Chloroaniline

Concen: 8.179 ng

RT: 8.157 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tgt Ion:127 Resp: 48523

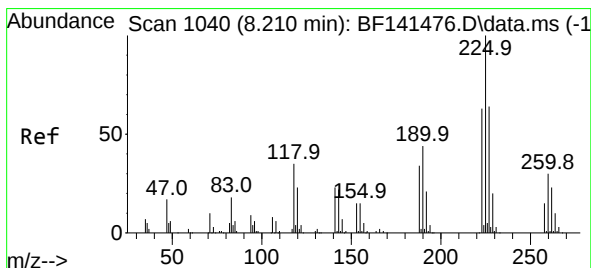
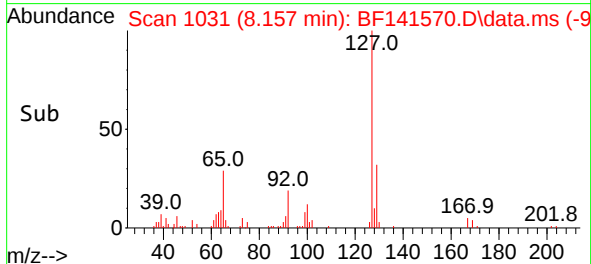
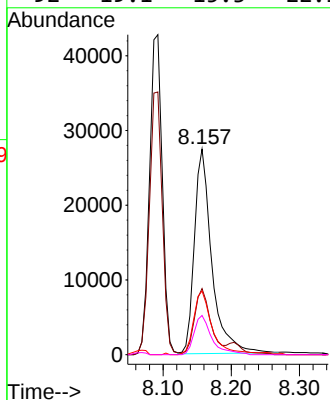
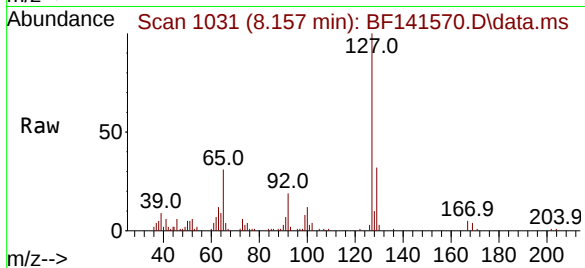
Ion Ratio Lower Upper

127 100

129 32.1 26.5 39.7

65 31.0 26.4 39.6

92 19.1 15.3 22.9



#34

Hexachlorobutadiene

Concen: 24.551 ng

RT: 8.204 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

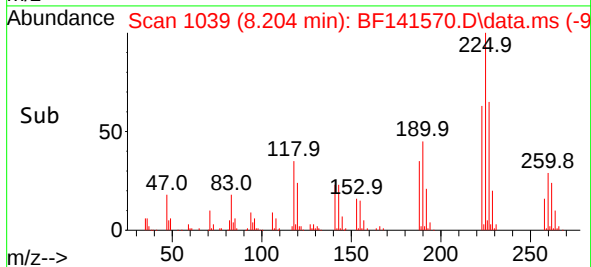
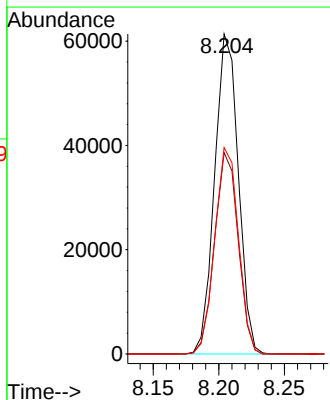
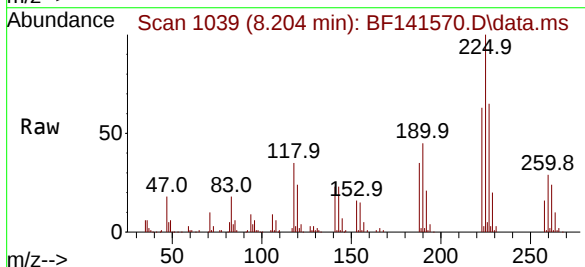
Tgt Ion:225 Resp: 76918

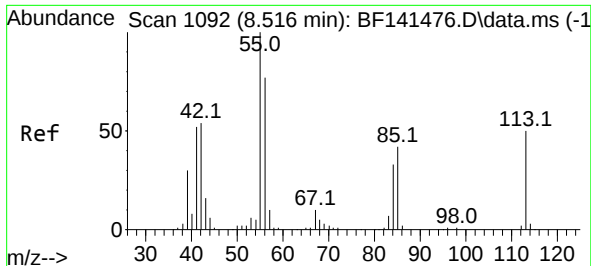
Ion Ratio Lower Upper

225 100

223 62.9 50.1 75.1

227 64.5 51.0 76.6

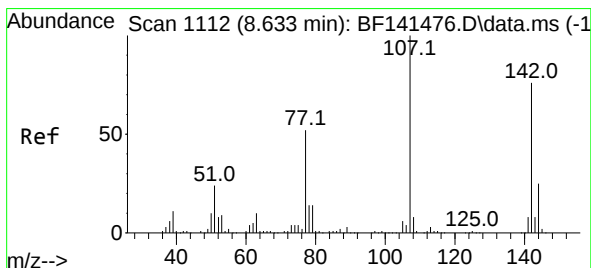
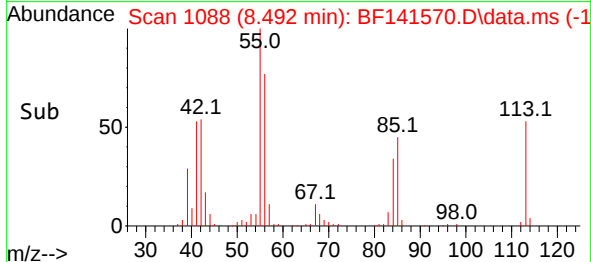
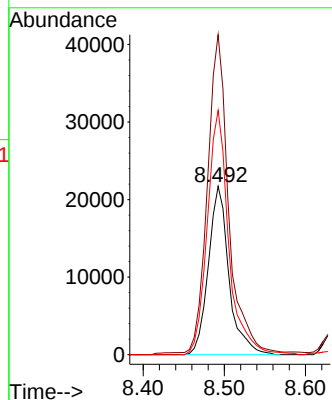
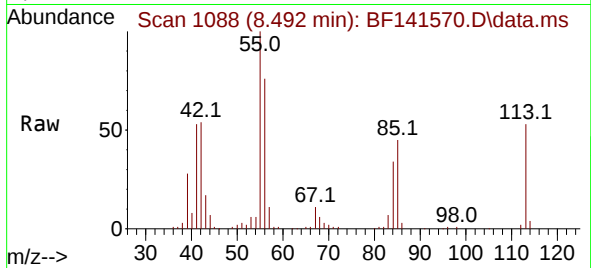




#35
 Caprolactam
 Concen: 26.220 ng
 RT: 8.492 min Scan# 1088
 Delta R.T. -0.053 min
 Lab File: BF141570.D
 Acq: 11 Feb 2025 18:53

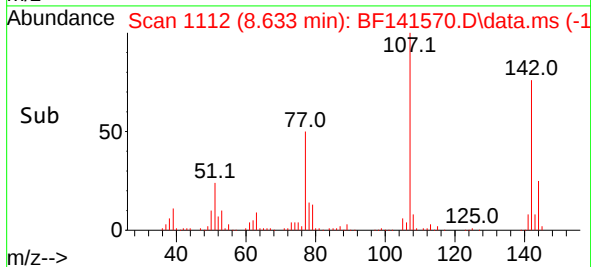
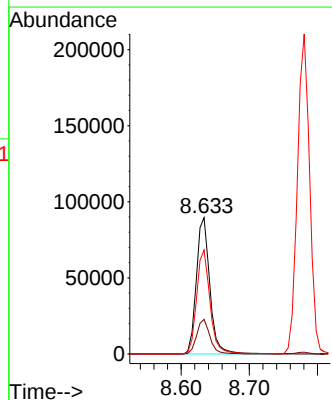
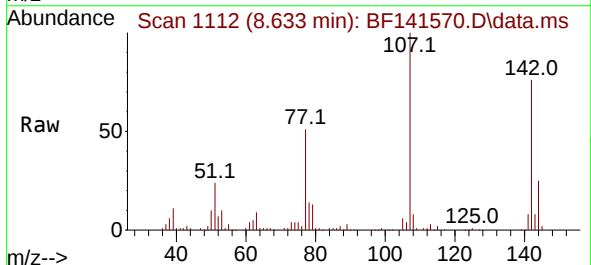
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

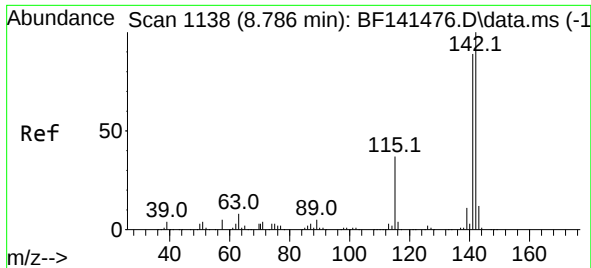
Tgt Ion:113 Resp: 38258
 Ion Ratio Lower Upper
 113 100
 55 190.2 180.8 220.8
 56 145.2 133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 23.245 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141570.D
 Acq: 11 Feb 2025 18:53

Tgt Ion:107 Resp: 123395
 Ion Ratio Lower Upper
 107 100
 144 25.3 19.7 29.5
 142 76.2 60.8 91.2

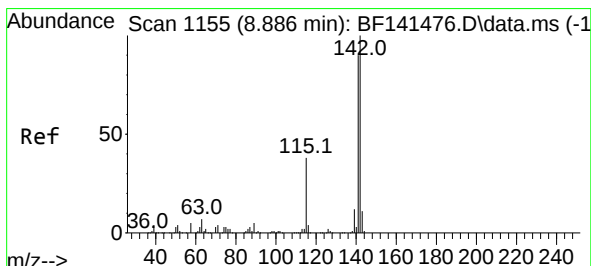
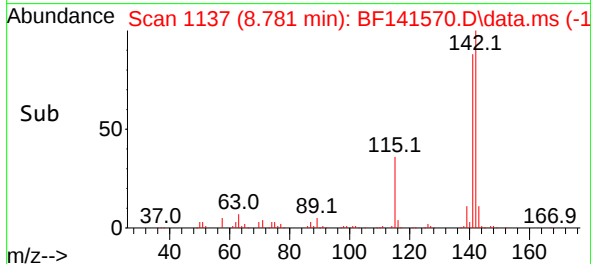
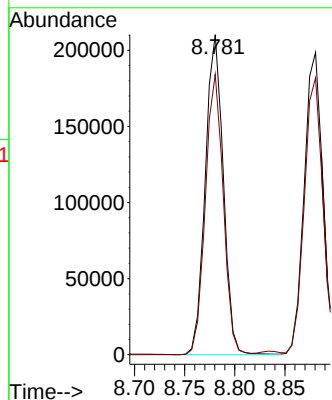
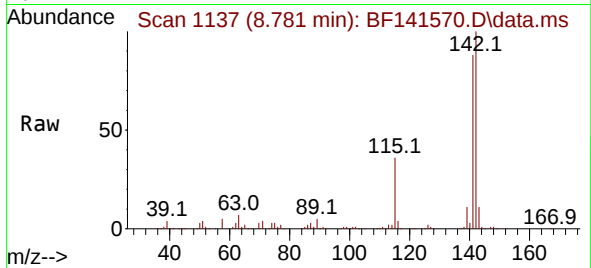




#37
2-Methylnaphthalene
Concen: 23.745 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

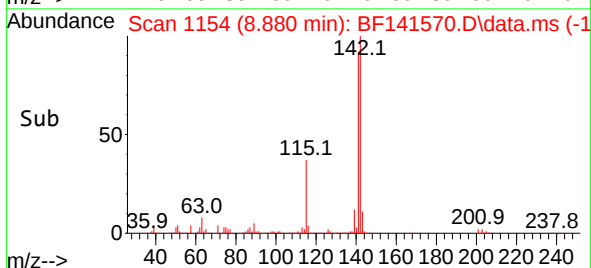
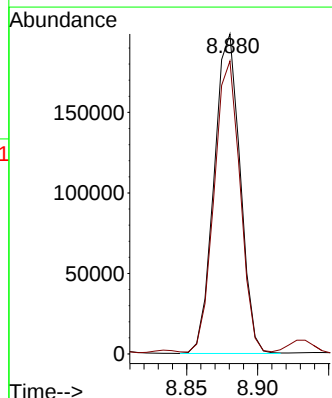
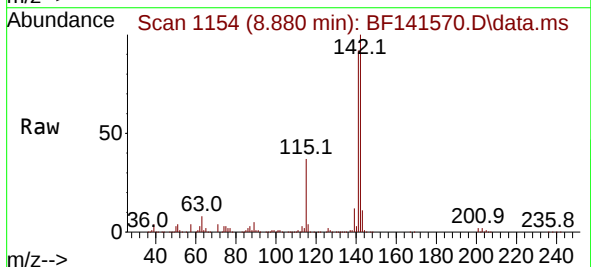
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

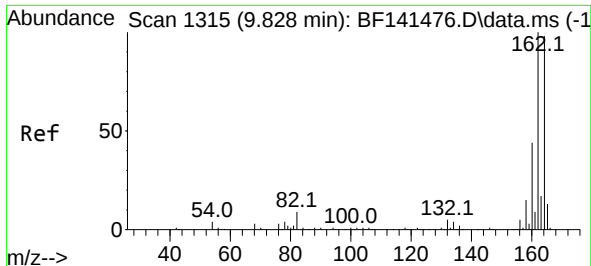
Tgt Ion:142 Resp: 262541
Ion Ratio Lower Upper
142 100
141 87.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 23.652 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:142 Resp: 253289
Ion Ratio Lower Upper
142 100
141 91.5 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

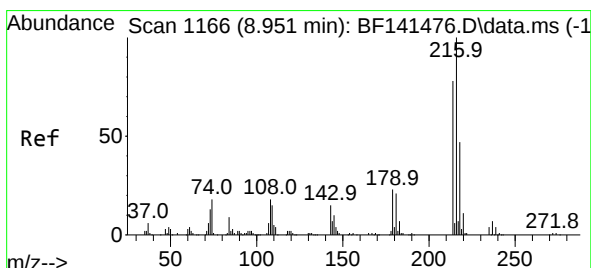
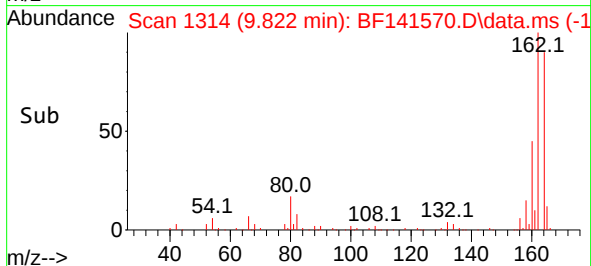
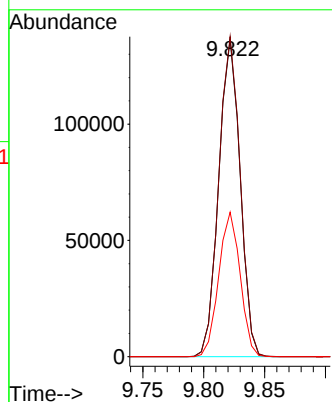
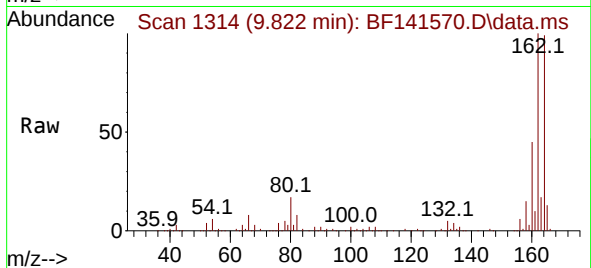
Tgt Ion:164 Resp: 167243

Ion Ratio Lower Upper

164 100

162 100.8 81.3 121.9

160 45.5 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 28.556 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Tgt Ion:216 Resp: 138168

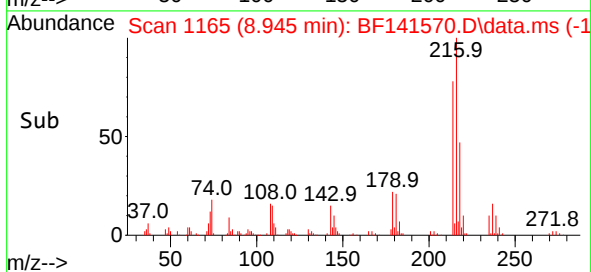
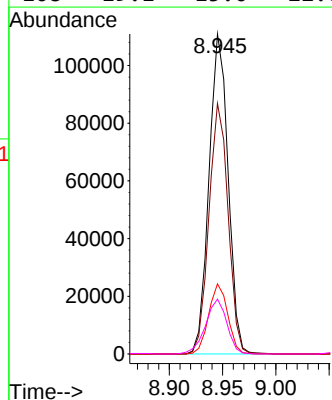
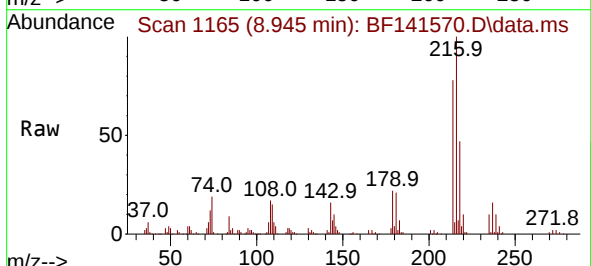
Ion Ratio Lower Upper

216 100

214 78.5 62.3 93.5

179 21.9 18.0 27.0

108 19.1 15.0 22.6

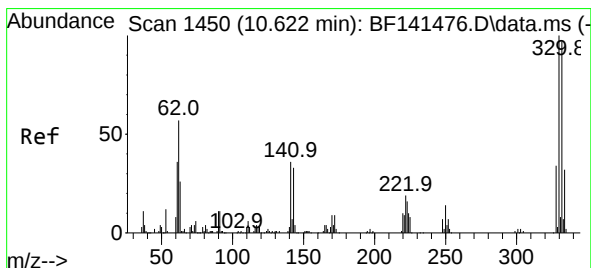
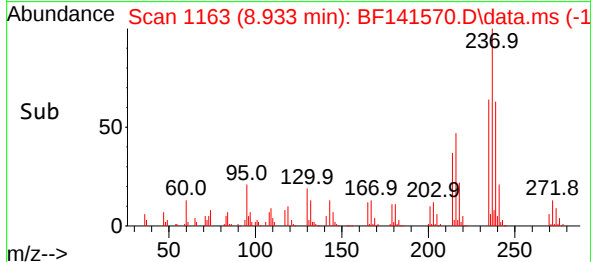
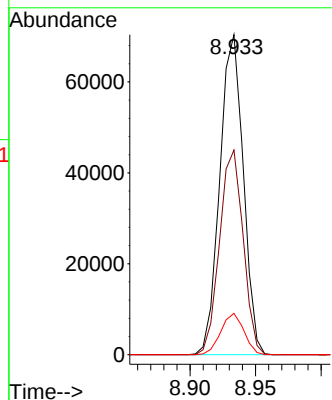
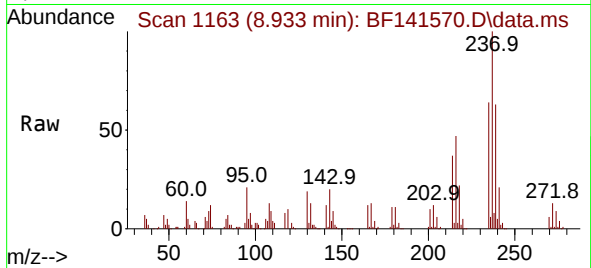




#41
 Hexachlorocyclopentadiene
 Concen: 54.434 ng
 RT: 8.933 min Scan# 1163
 Delta R.T. -0.006 min
 Lab File: BF141570.D
 Acq: 11 Feb 2025 18:53

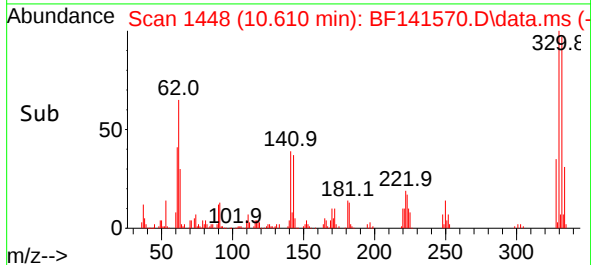
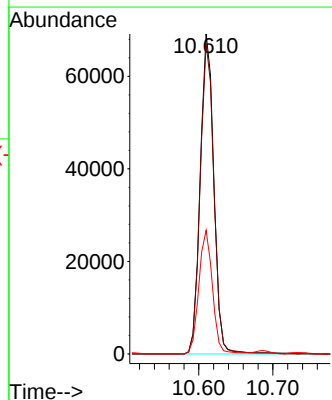
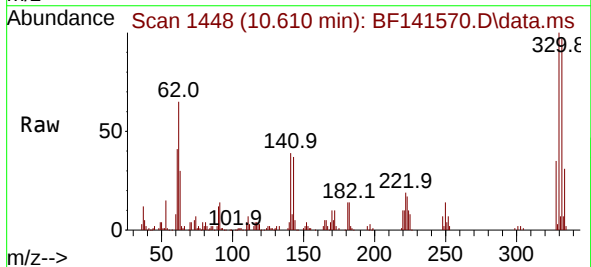
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tgt Ion:237 Resp: 87602
 Ion Ratio Lower Upper
 237 100
 235 63.9 41.4 81.4
 272 12.9 0.0 32.4



#42
 2,4,6-Tribromophenol
 Concen: 52.542 ng
 RT: 10.610 min Scan# 1448
 Delta R.T. -0.018 min
 Lab File: BF141570.D
 Acq: 11 Feb 2025 18:53

Tgt Ion:330 Resp: 88273
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.5 117.7
 141 38.6 31.0 46.4

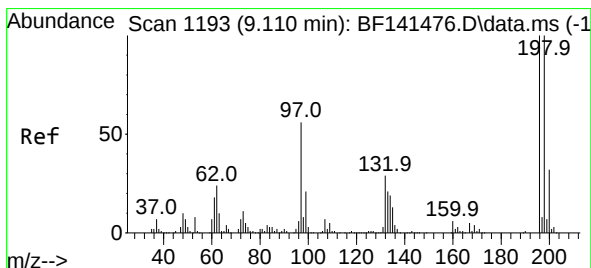
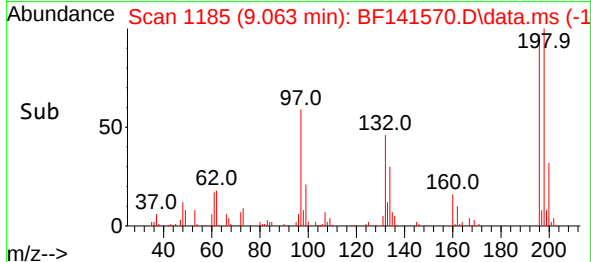
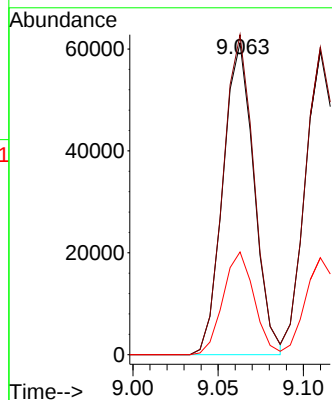
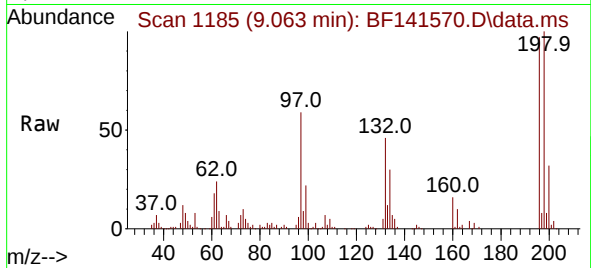




#43
2,4,6-Trichlorophenol
Concen: 24.782 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

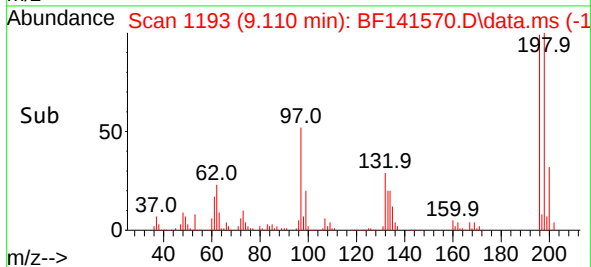
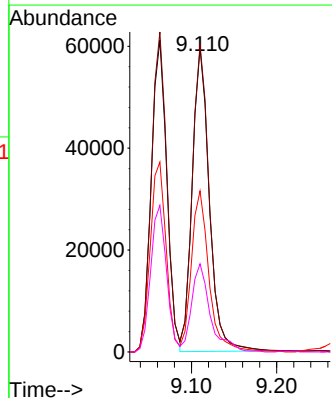
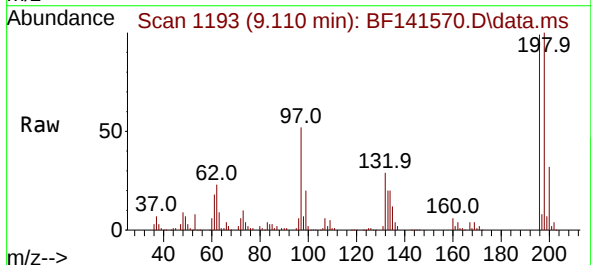
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

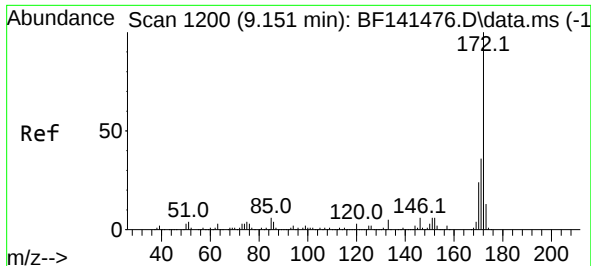
Tgt Ion:196 Resp: 77499
Ion Ratio Lower Upper
196 100
198 102.6 80.6 121.0
200 32.9 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 24.496 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:196 Resp: 83022
Ion Ratio Lower Upper
196 100
198 101.2 79.8 119.8
97 53.0 44.8 67.2
132 29.0 23.9 35.9

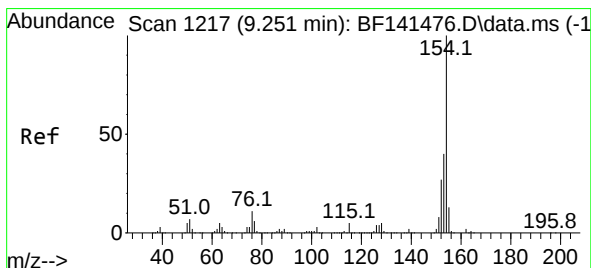
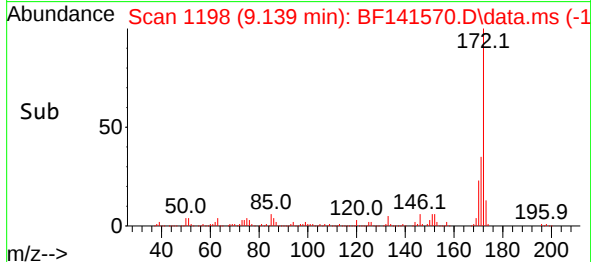
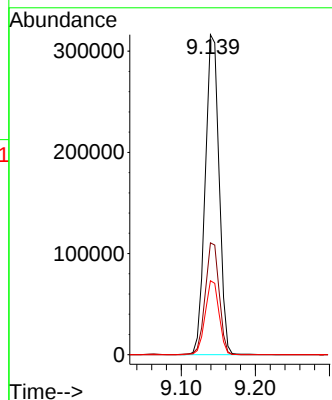
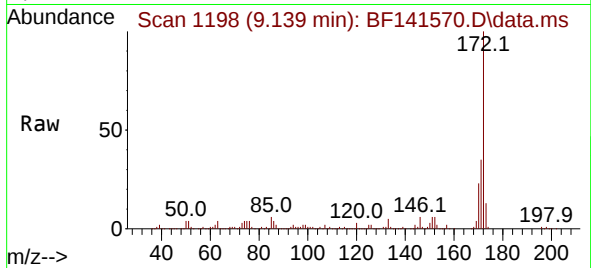




#45
2-Fluorobiphenyl
Concen: 37.918 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

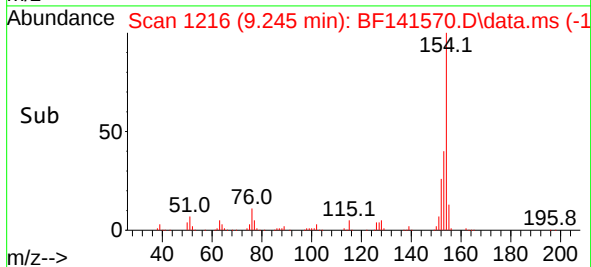
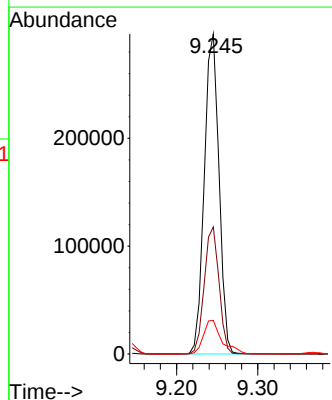
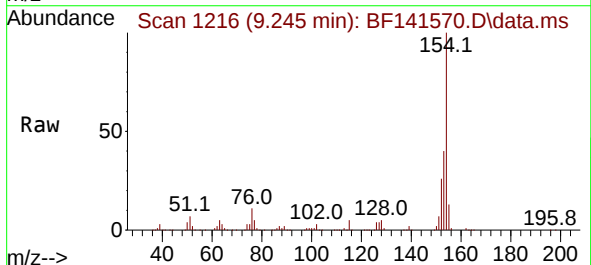
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:172 Resp: 411613
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.1 18.9 28.3



#46
1,1'-Biphenyl
Concen: 28.739 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:154 Resp: 372636
Ion Ratio Lower Upper
154 100
153 39.7 20.4 60.4
76 10.5 0.0 30.8

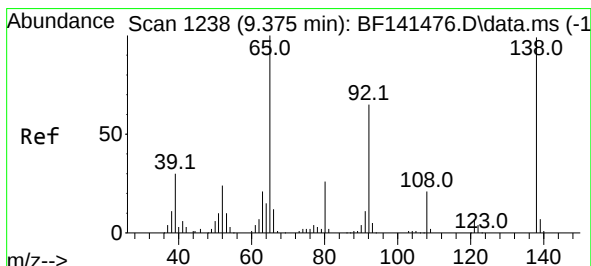
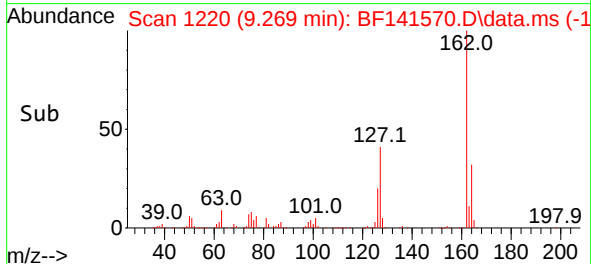
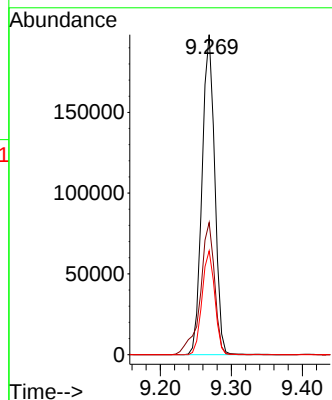
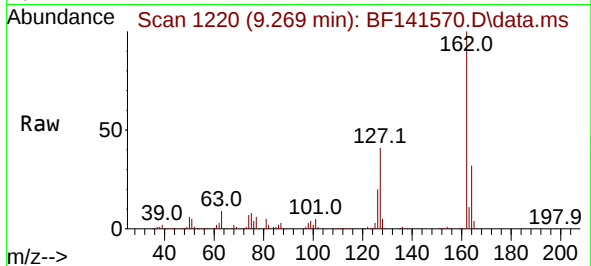




#47
2-Chloronaphthalene
Concen: 25.722 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

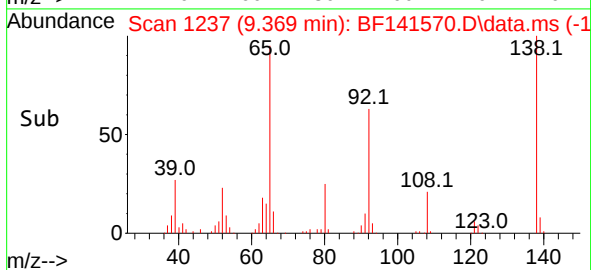
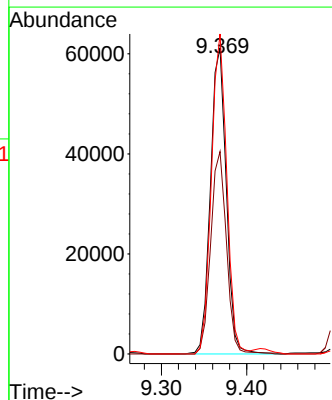
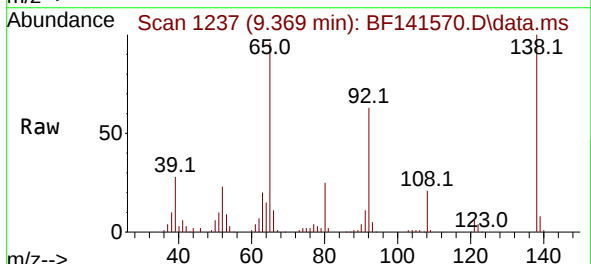
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

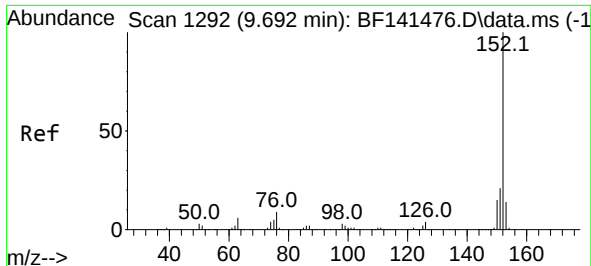
Tgt Ion:162 Resp: 246620
Ion Ratio Lower Upper
162 100
127 41.3 34.1 51.1
164 32.4 26.3 39.5



#48
2-Nitroaniline
Concen: 24.525 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

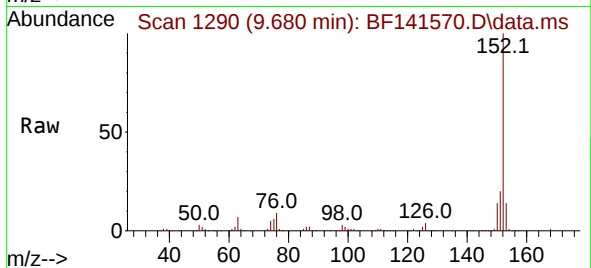
Tgt Ion: 65 Resp: 78914
Ion Ratio Lower Upper
65 100
92 66.2 52.2 78.2
138 104.6 79.5 119.3



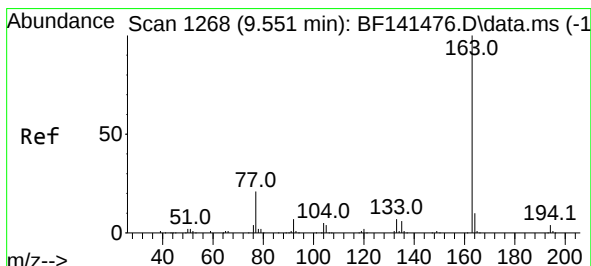
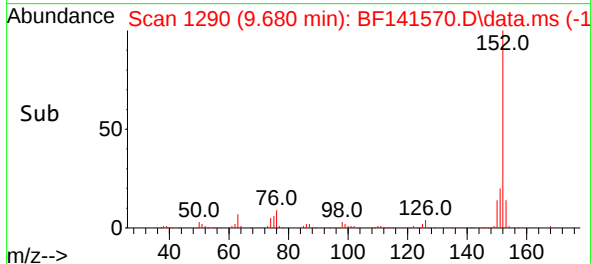
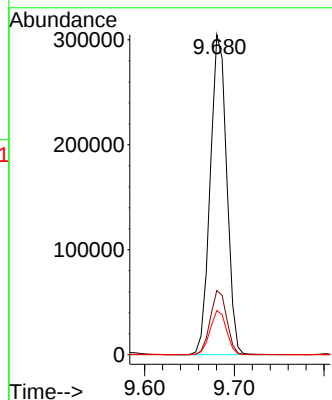


#49
Acenaphthylene
Concen: 27.258 ng
RT: 9.680 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

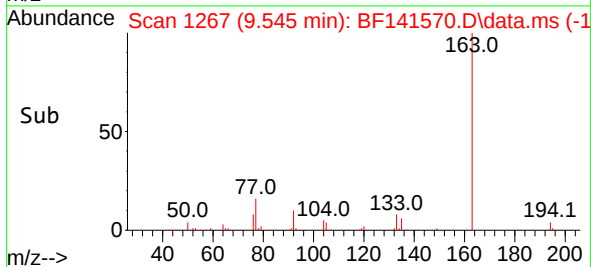
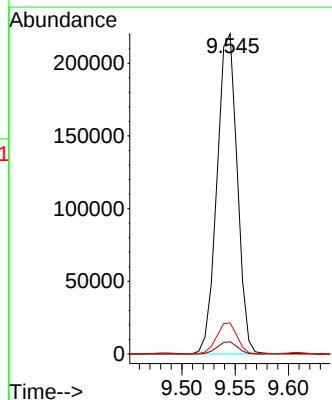
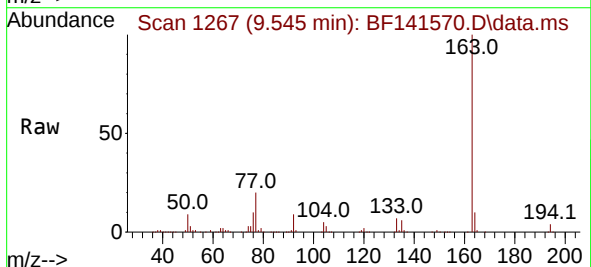


Tgt Ion:152 Resp: 388724
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.8 10.9 16.3



#50
Dimethylphthalate
Concen: 25.527 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:163 Resp: 289823
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 9.7 7.9 11.9

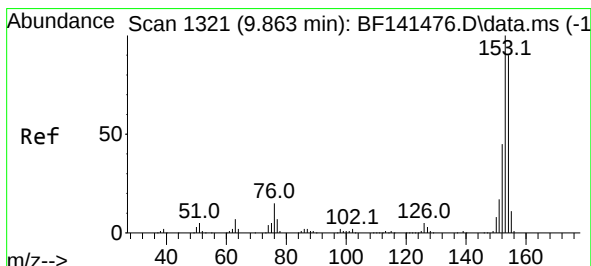
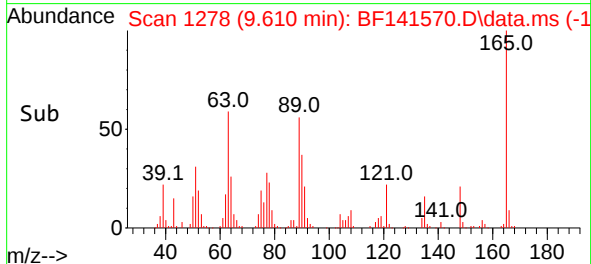
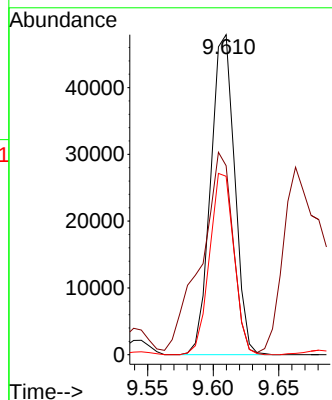
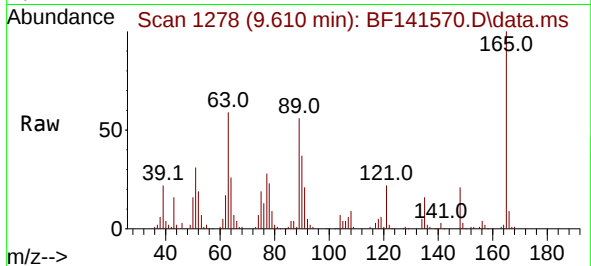




#51
2,6-Dinitrotoluene
Concen: 24.513 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

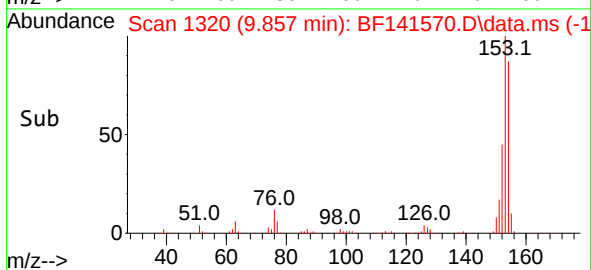
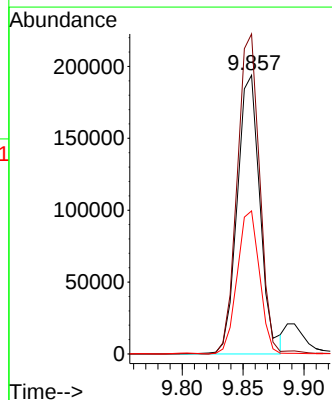
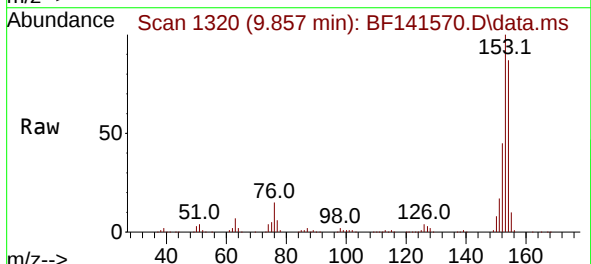
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

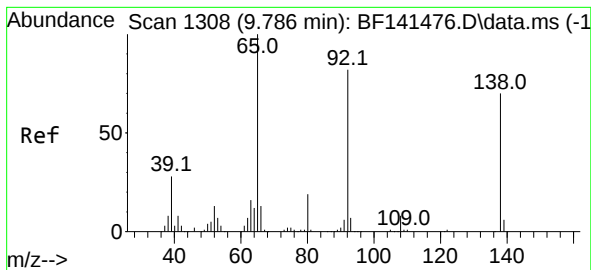
Tgt Ion:165 Resp: 60840
Ion Ratio Lower Upper
165 100
63 59.1 49.4 74.0
89 55.7 46.5 69.7



#52
Acenaphthene
Concen: 26.418 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:154 Resp: 253288
Ion Ratio Lower Upper
154 100
153 114.8 89.2 133.8
152 51.3 39.8 59.8

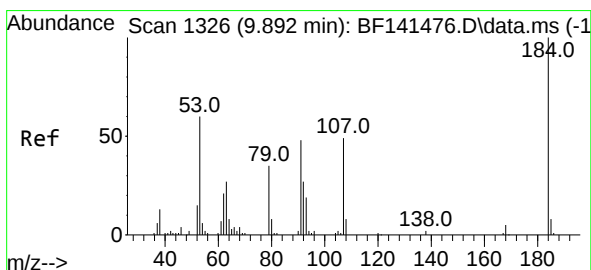
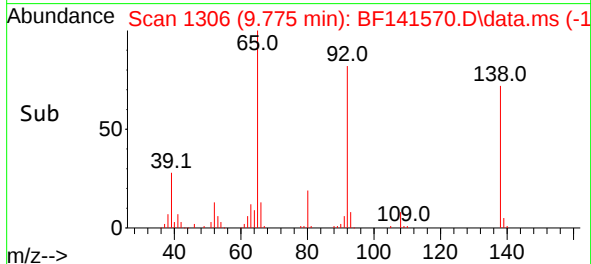
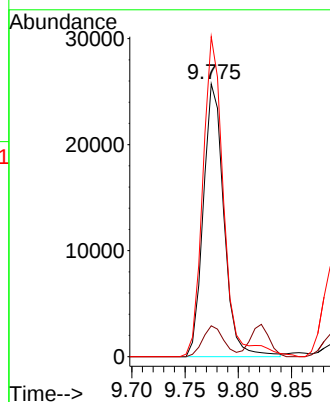
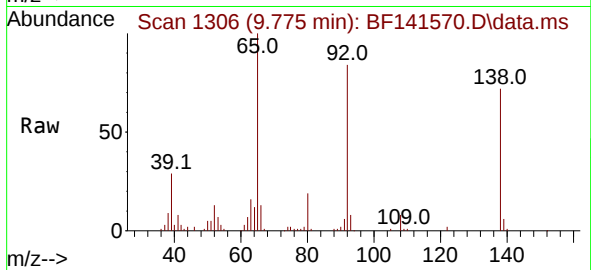




#53
3-Nitroaniline
Concen: 12.990 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

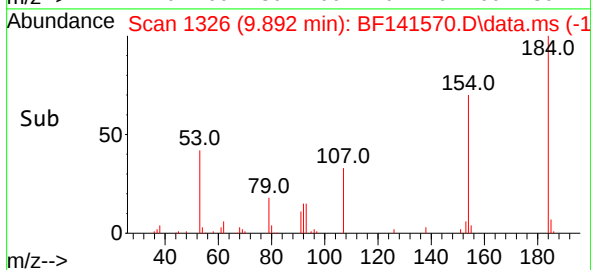
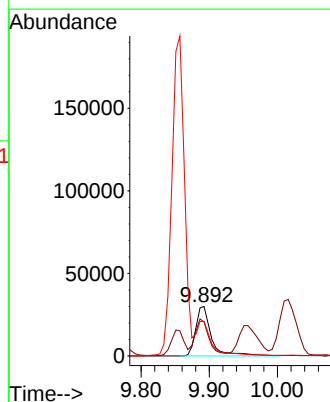
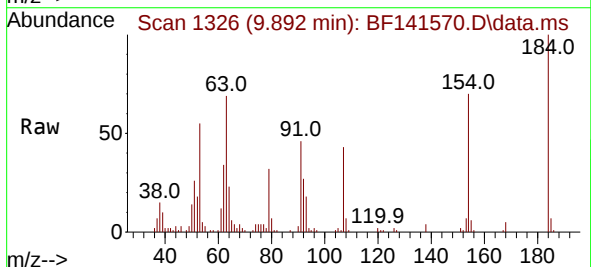
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

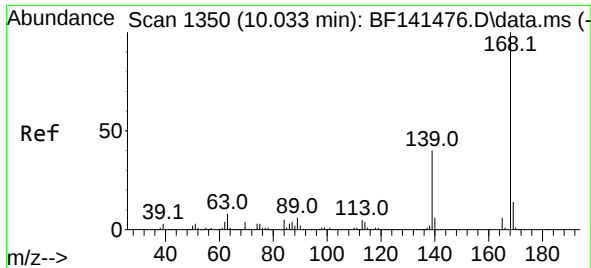
Tgt Ion:138 Resp: 34702
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.4
92 117.3 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 32.325 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:184 Resp: 47683
Ion Ratio Lower Upper
184 100
63 68.7 61.0 91.6
154 69.8 59.9 89.9

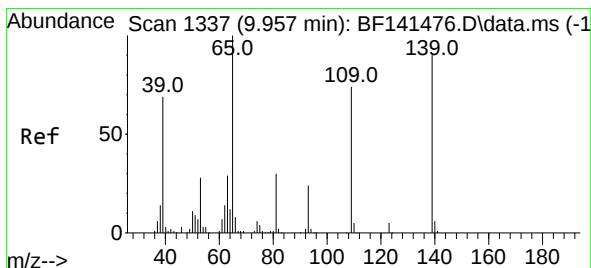
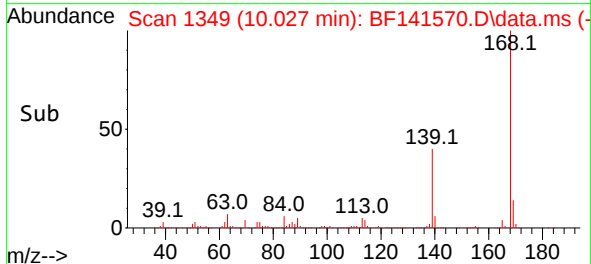
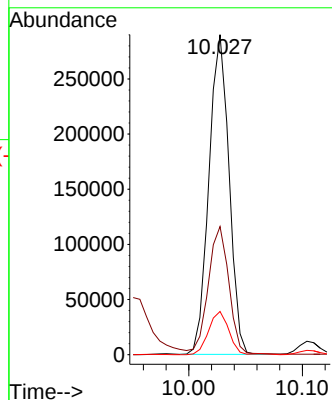
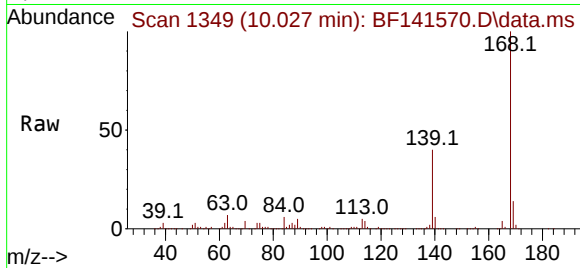




#55
Dibenzofuran
Concen: 25.265 ng
RT: 10.027 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

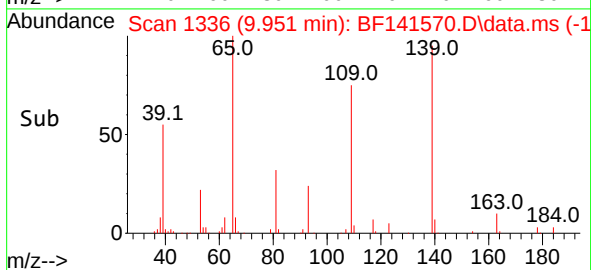
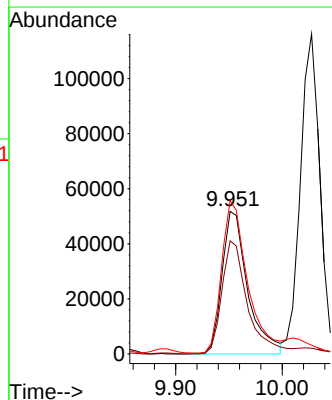
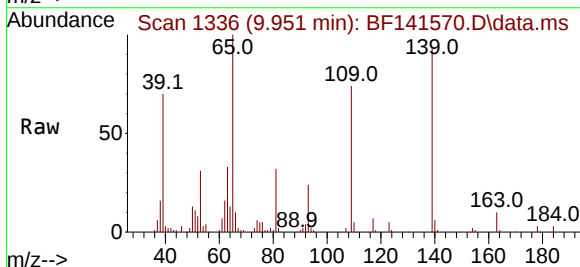
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

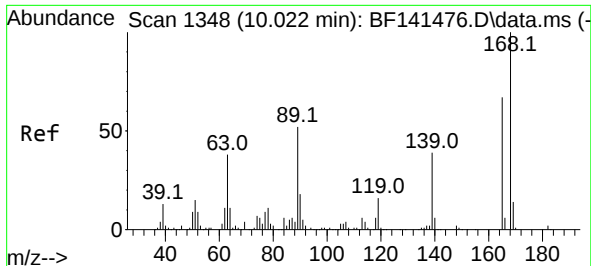
Tgt Ion:168 Resp: 355550
Ion Ratio Lower Upper
168 100
139 40.1 32.7 49.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 43.682 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:139 Resp: 86624
Ion Ratio Lower Upper
139 100
109 79.4 62.0 102.0
65 107.5 91.2 131.2

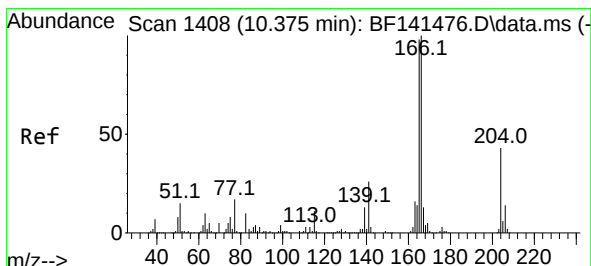
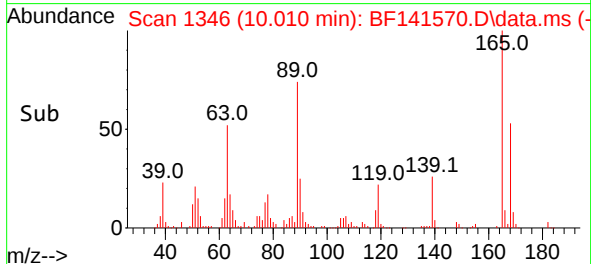
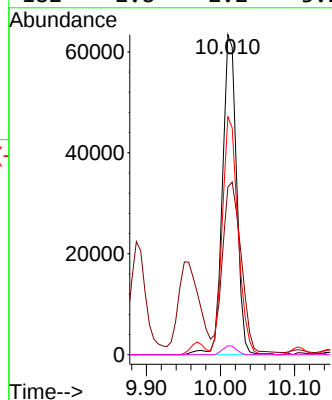
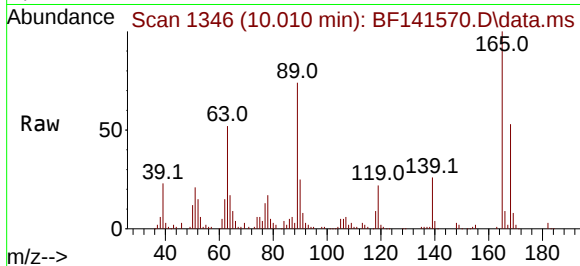




#57
2,4-Dinitrotoluene
Concen: 25.440 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

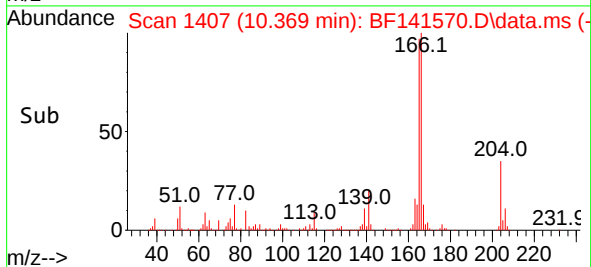
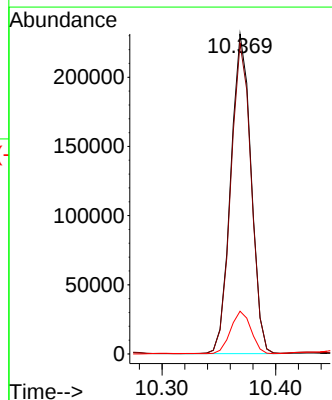
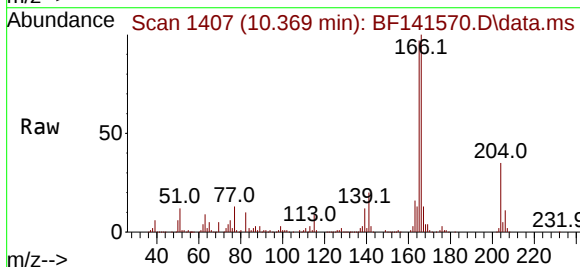
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:165 Resp: 84058
Ion Ratio Lower Upper
165 100
63 52.4 46.4 69.6
89 74.3 61.8 92.6
182 2.8 2.2 3.2



#58
Fluorene
Concen: 26.403 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:166 Resp: 287294
Ion Ratio Lower Upper
166 100
165 97.1 78.2 117.2
167 13.4 10.7 16.1

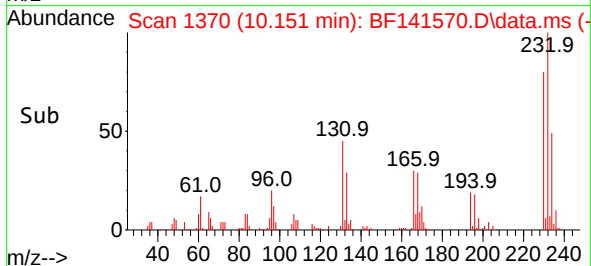
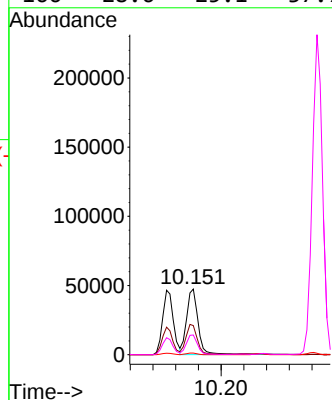
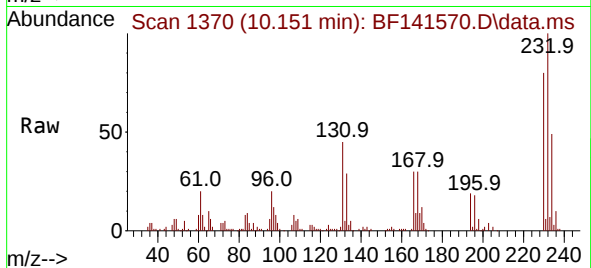




#59
2,3,4,6-Tetrachlorophenol
Concen: 22.541 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

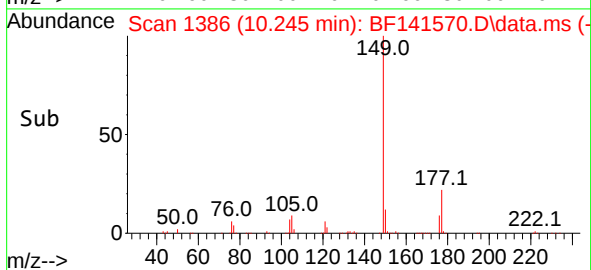
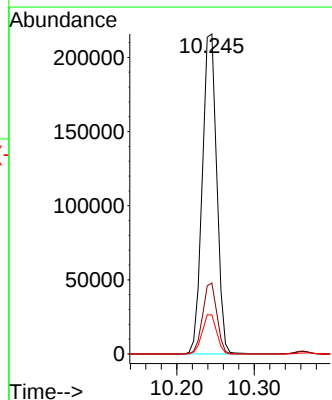
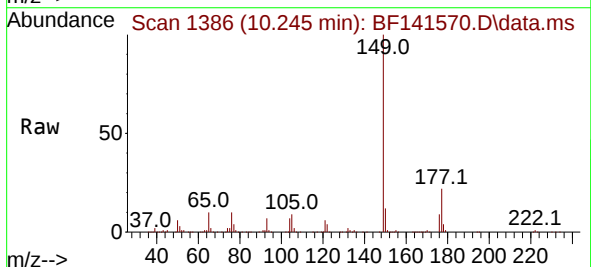
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

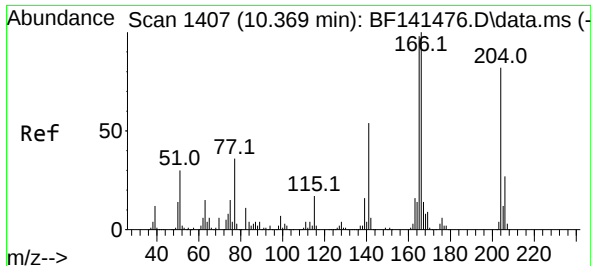
Tgt Ion:232 Resp: 65772
Ion Ratio Lower Upper
232 100
131 44.7 39.2 58.8
130 2.3 2.1 3.1
166 28.6 25.1 37.7



#60
Diethylphthalate
Concen: 25.047 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:149 Resp: 279792
Ion Ratio Lower Upper
149 100
177 22.1 17.8 26.6
150 12.2 10.1 15.1

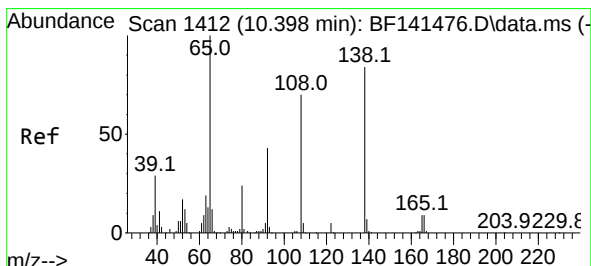
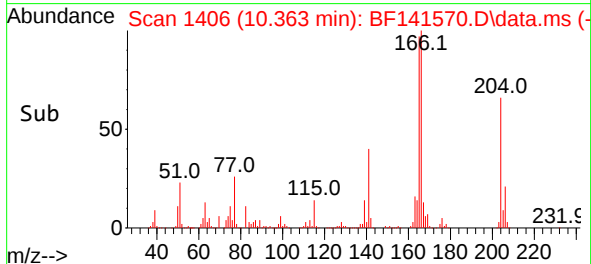
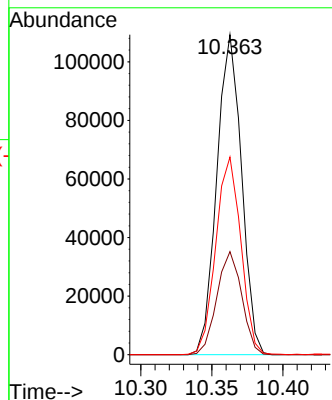
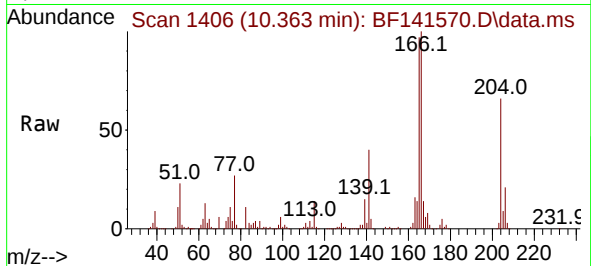




#61
4-Chlorophenyl-phenylether
Concen: 25.261 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

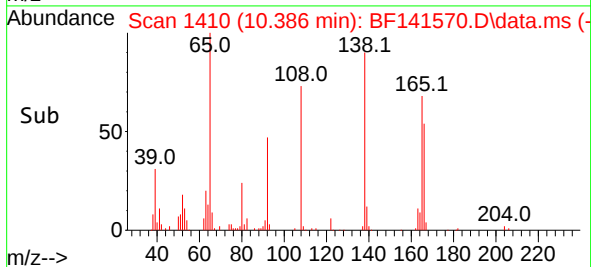
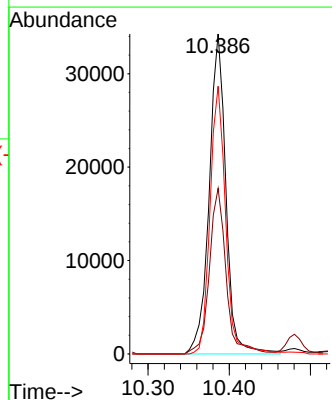
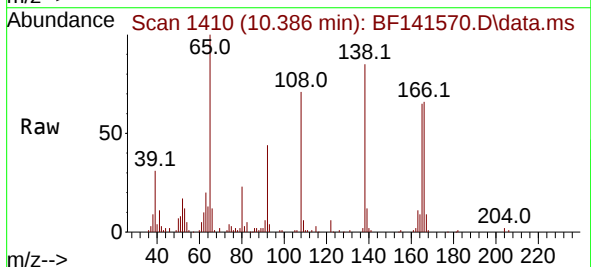
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

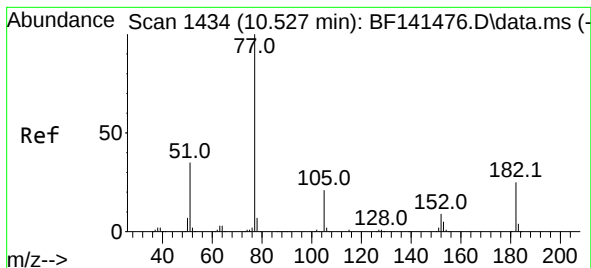
Tgt Ion:204 Resp: 132236
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 61.8 51.9 77.9



#62
4-Nitroaniline
Concen: 18.085 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:138 Resp: 49055
Ion Ratio Lower Upper
138 100
92 51.8 31.3 71.3
108 83.7 63.7 103.7





#63

Azobenzene

Concen: 27.176 ng

RT: 10.522 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tgt Ion: 77 Resp: 301790

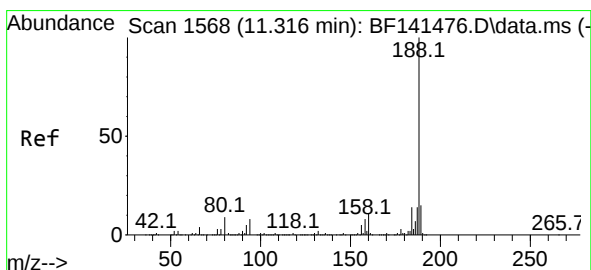
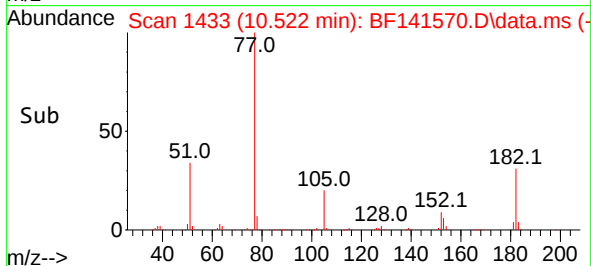
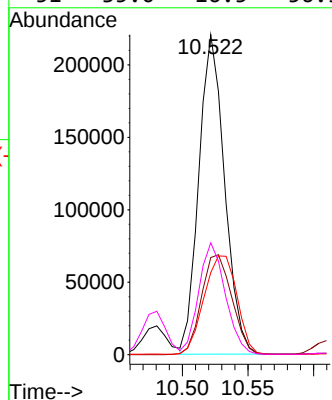
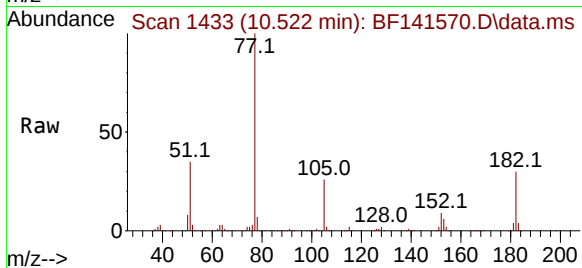
Ion Ratio Lower Upper

77 100

182 30.4 4.7 44.7

105 25.6 0.4 40.4

51 35.0 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

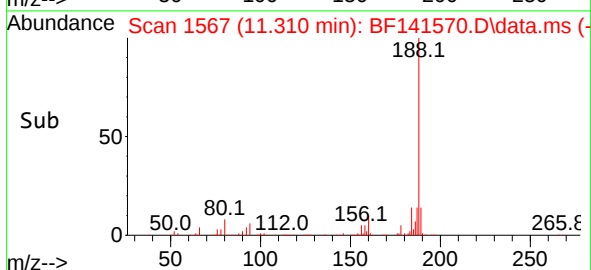
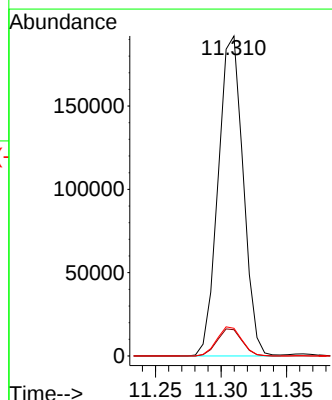
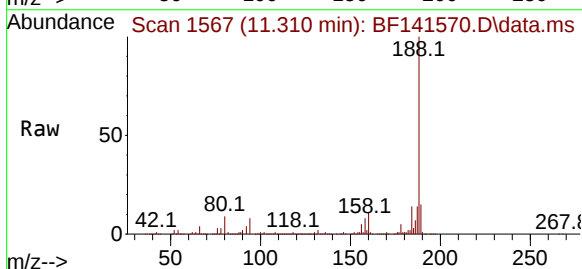
Tgt Ion:188 Resp: 253958

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 8.6 7.3 10.9

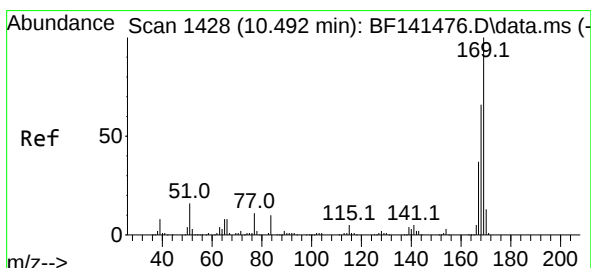
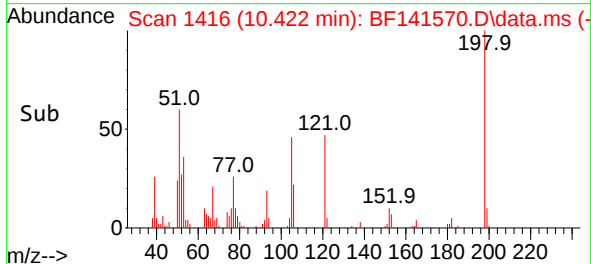
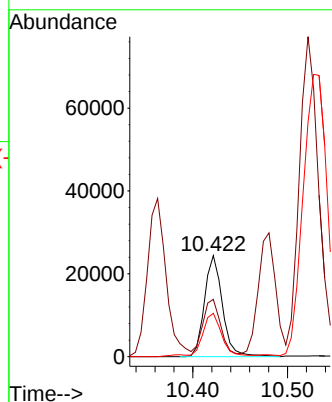
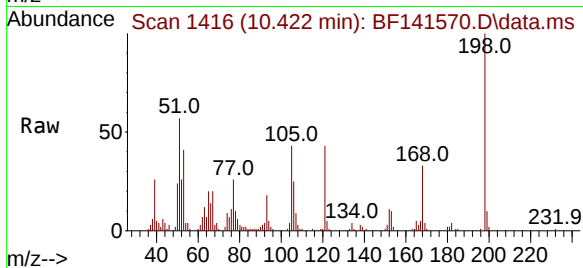




#65
4,6-Dinitro-2-methylphenol
Concen: 18.296 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

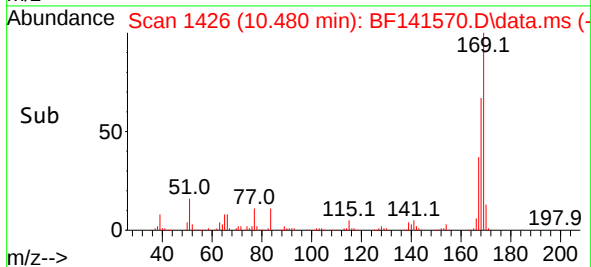
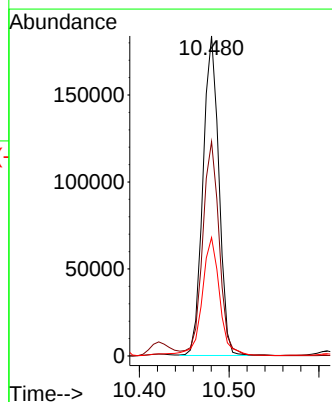
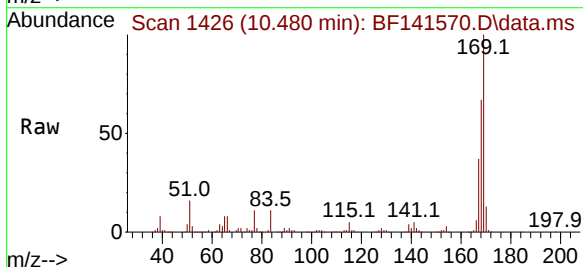
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

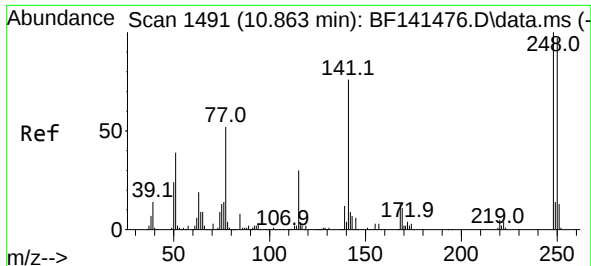
Tgt Ion:198 Resp: 32277
Ion Ratio Lower Upper
198 100
51 56.6 37.4 77.4
105 42.8 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 27.861 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:169 Resp: 226494
Ion Ratio Lower Upper
169 100
168 67.0 53.3 79.9
167 37.0 29.4 44.2

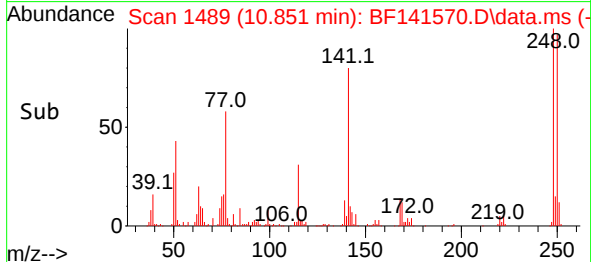
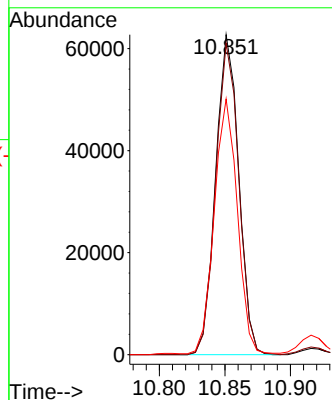
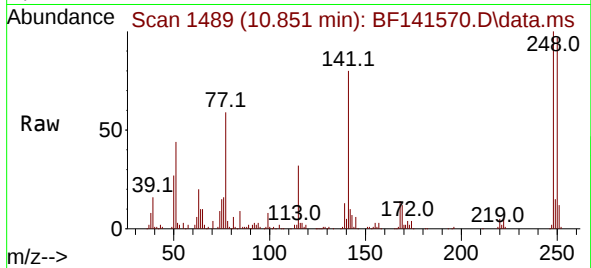




#67
4-Bromophenyl-phenylether
Concen: 27.039 ng
RT: 10.851 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

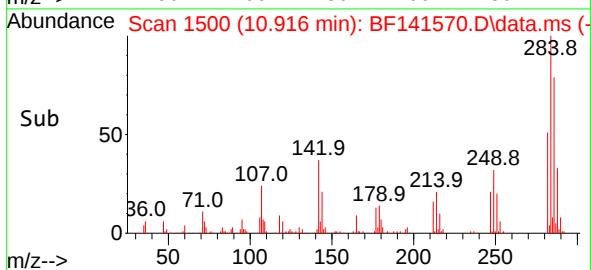
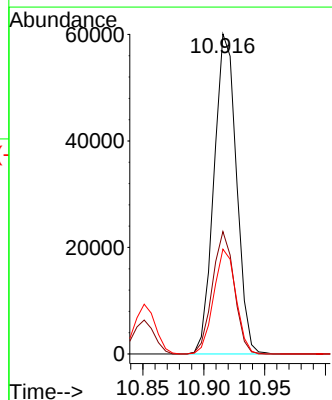
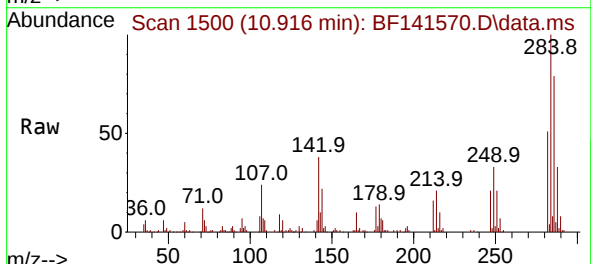
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

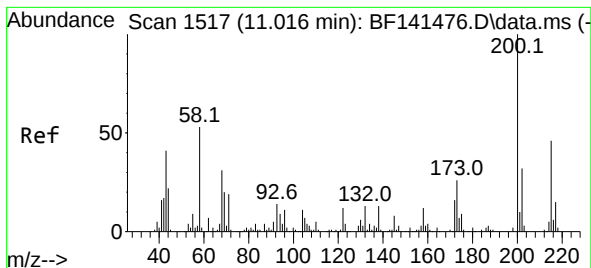
Tgt Ion:248 Resp: 76746
Ion Ratio Lower Upper
248 100
250 97.3 77.8 116.6
141 79.9 60.6 90.8



#68
Hexachlorobenzene
Concen: 26.352 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:284 Resp: 77020
Ion Ratio Lower Upper
284 100
142 38.3 28.0 42.0
249 32.7 25.8 38.8





#69

Atrazine

Concen: 33.118 ng

RT: 11.010 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

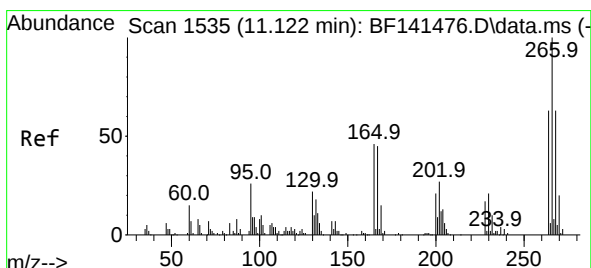
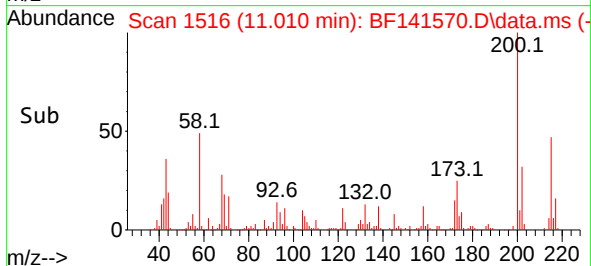
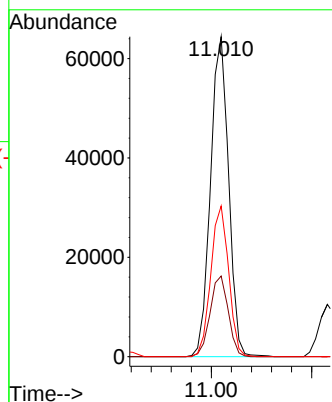
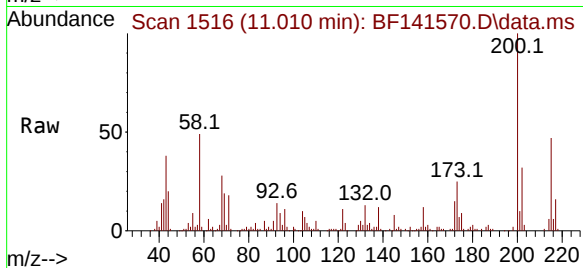
Tgt Ion:200 Resp: 80769

Ion Ratio Lower Upper

200 100

173 25.2 5.9 45.9

215 47.1 25.9 65.9



#70

Pentachlorophenol

Concen: 41.701 ng

RT: 11.116 min Scan# 1534

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

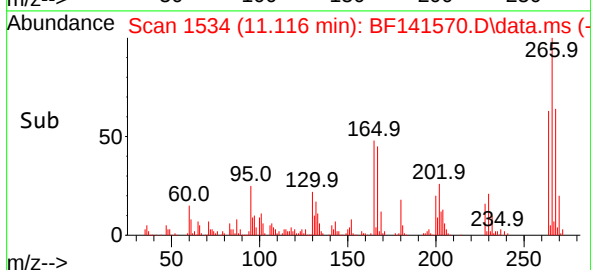
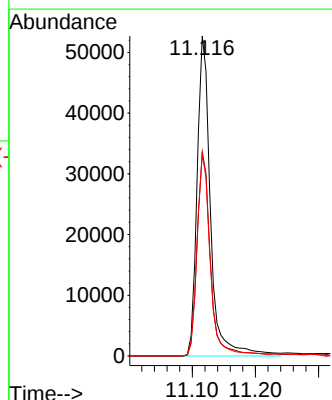
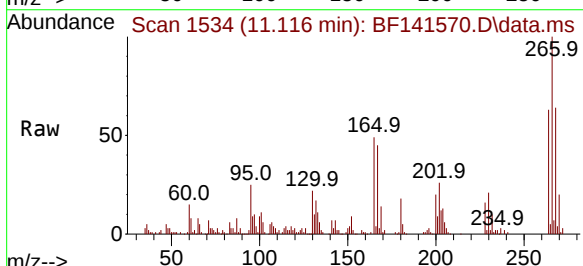
Tgt Ion:266 Resp: 77932

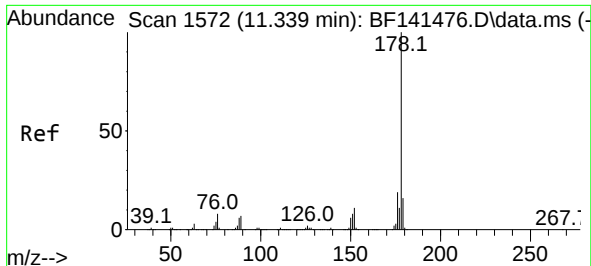
Ion Ratio Lower Upper

266 100

268 63.8 50.1 75.1

264 63.2 50.1 75.1

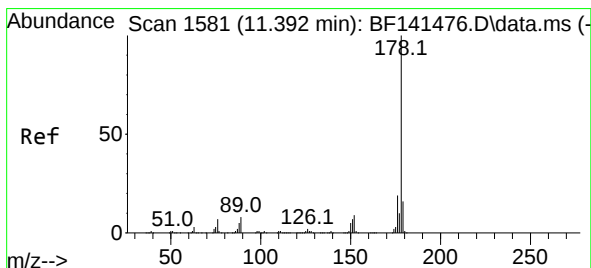
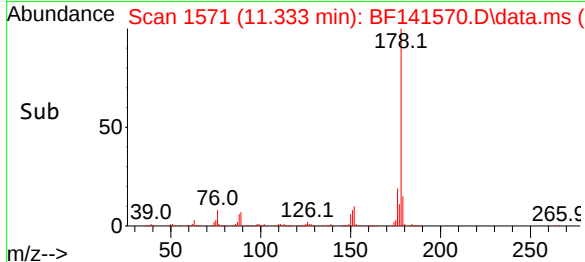
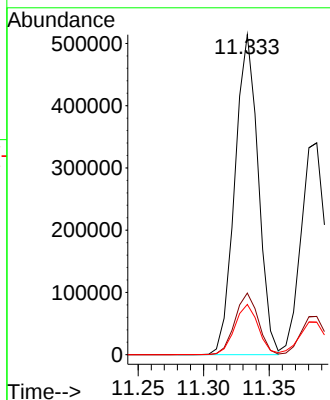
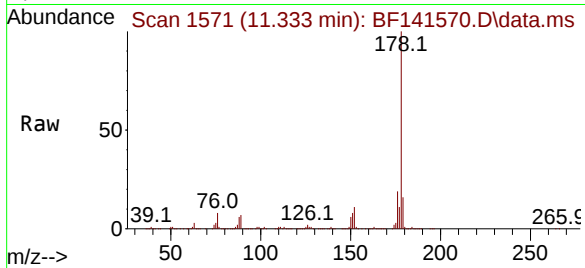




#71
Phenanthrene
Concen: 45.527 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

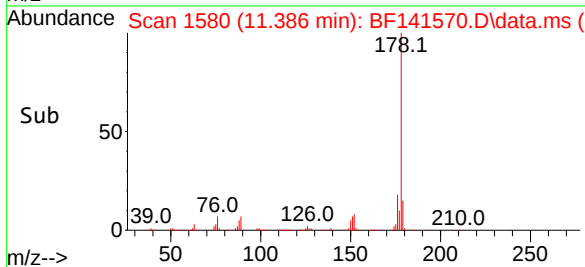
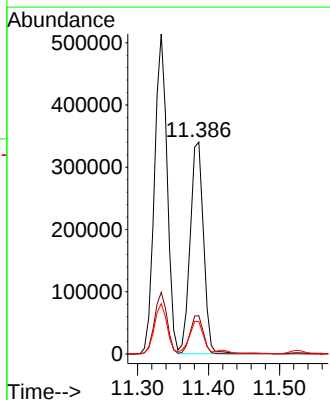
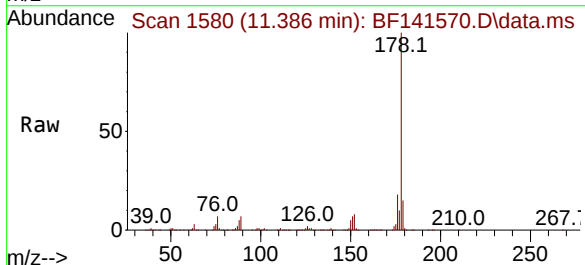
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

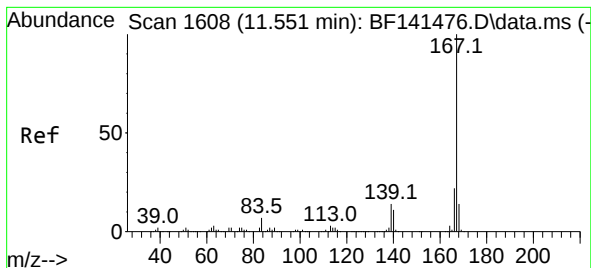
Tgt Ion:178 Resp: 636429
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.7 12.4 18.6



#72
Anthracene
Concen: 31.697 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:178 Resp: 445427
Ion Ratio Lower Upper
178 100
176 18.0 14.8 22.2
179 15.4 12.4 18.6





#73

Carbazole

Concen: 25.902 ng

RT: 11.539 min Scan# 1606

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

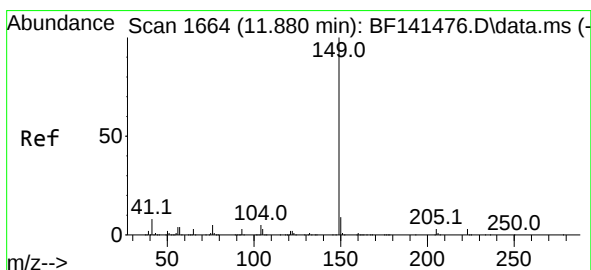
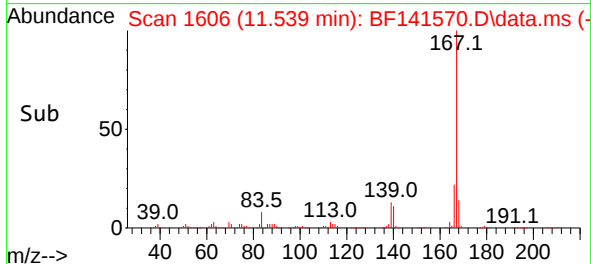
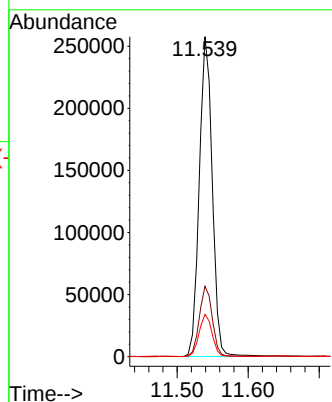
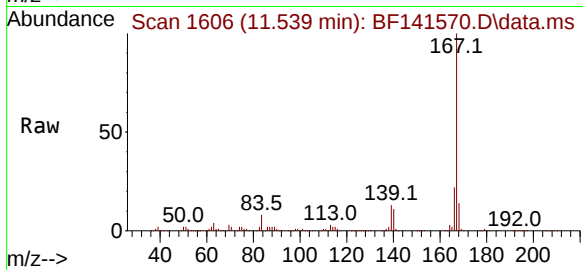
Tgt Ion:167 Resp: 327508

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.2

139 13.2 10.9 16.3



#74

Di-n-butylphthalate

Concen: 26.986 ng

RT: 11.869 min Scan# 1662

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

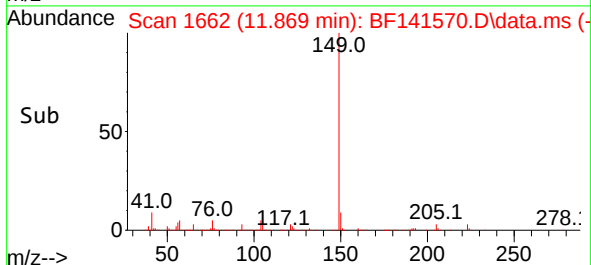
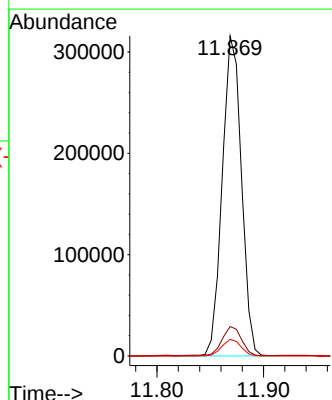
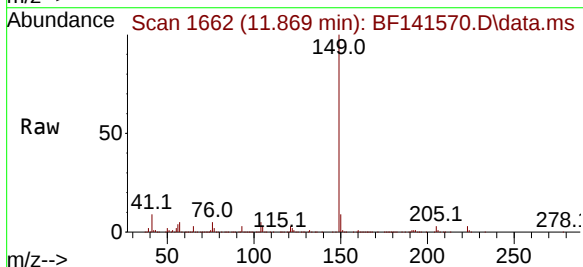
Tgt Ion:149 Resp: 393995

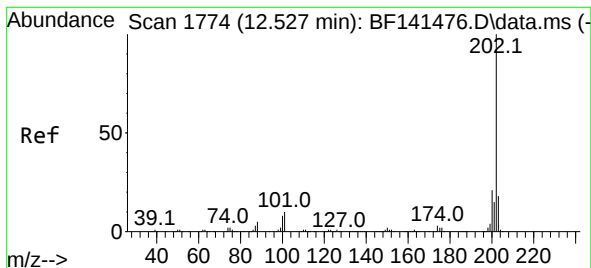
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.2 4.2 6.2





#75

Fluoranthene

Concen: 48.485 ng

RT: 12.521 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

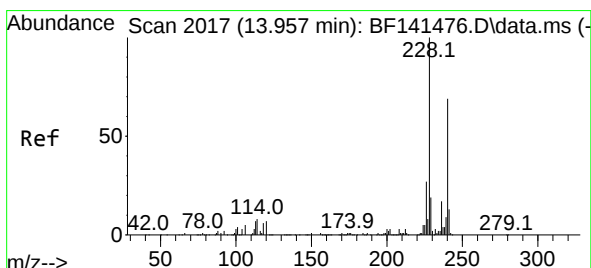
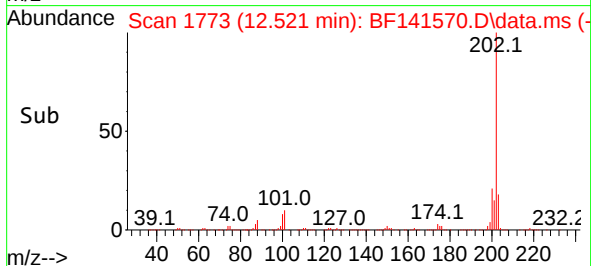
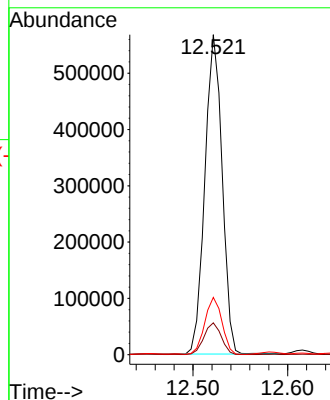
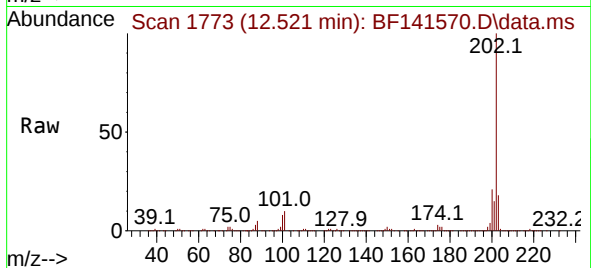
Tgt Ion:202 Resp: 718589

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

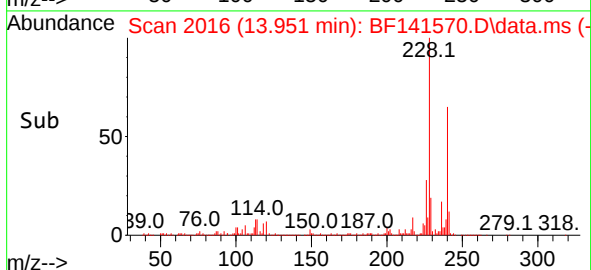
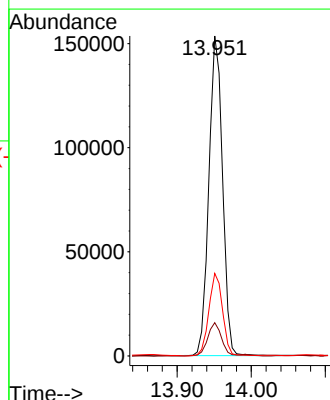
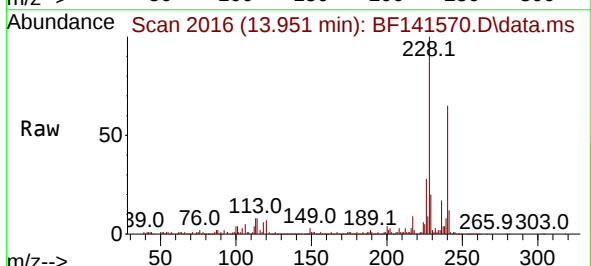
Tgt Ion:240 Resp: 196367

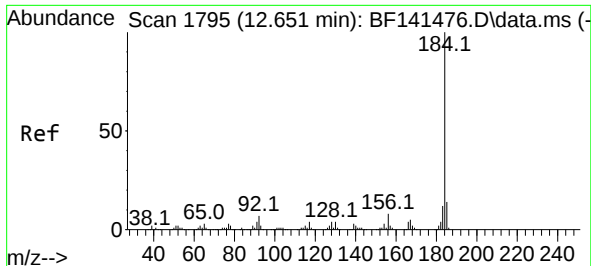
Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 25.8 19.8 29.8

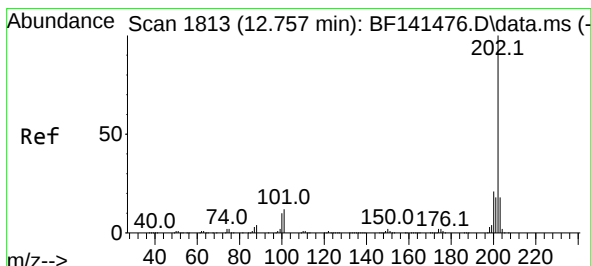
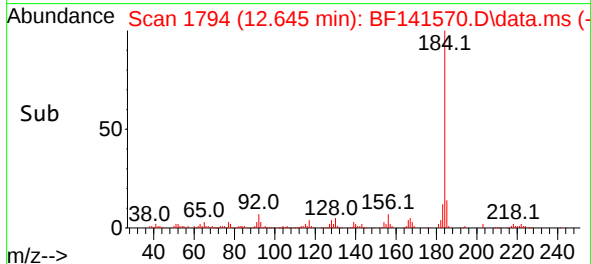
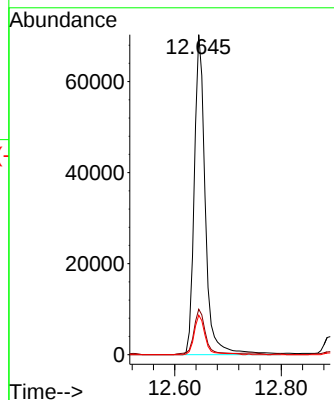
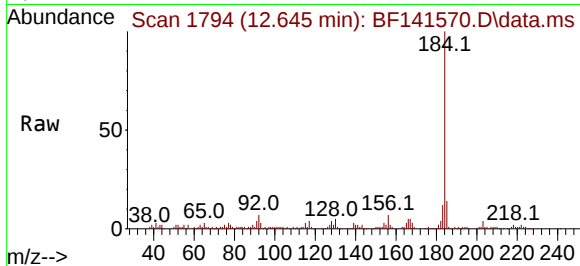




#77
Benzidine
Concen: 23.397 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

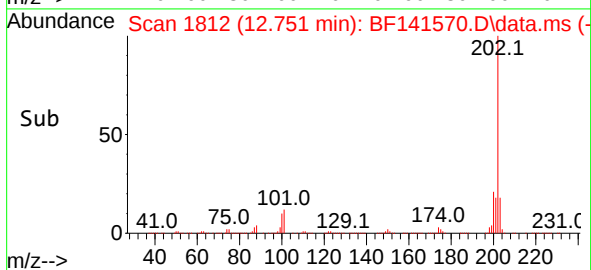
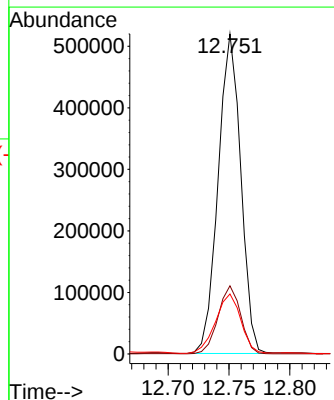
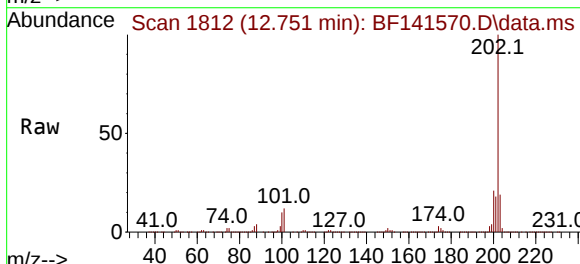
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

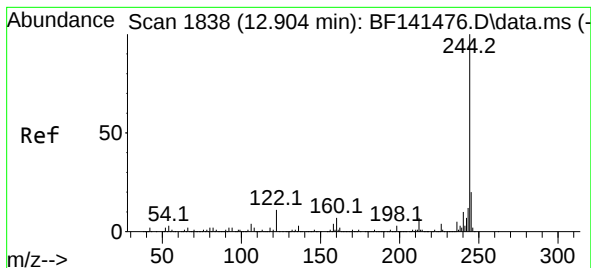
Tgt Ion:184 Resp: 101327
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 12.3 9.3 13.9



#78
Pyrene
Concen: 40.223 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:202 Resp: 672365
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.7 14.3 21.5





#79

Terphenyl-d14

Concen: 28.823 ng

RT: 12.892 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

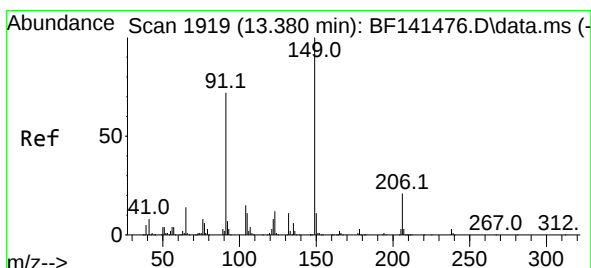
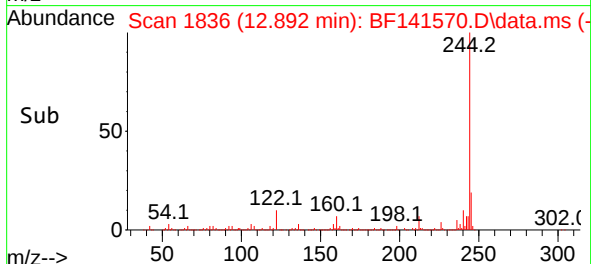
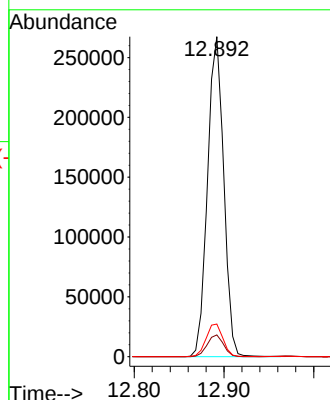
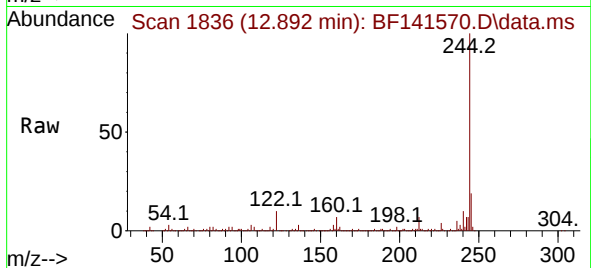
Tgt Ion:244 Resp: 335272

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.2 8.4 12.6



#80

Butylbenzylphthalate

Concen: 24.648 ng

RT: 13.368 min Scan# 1917

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

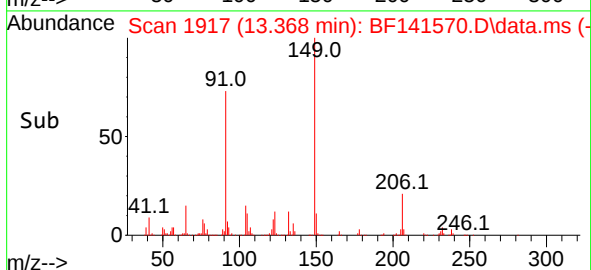
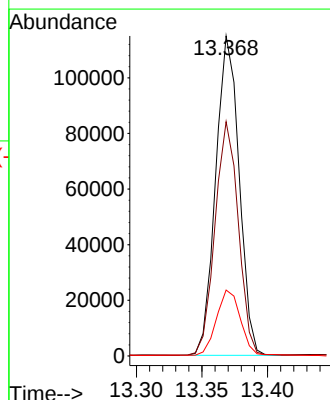
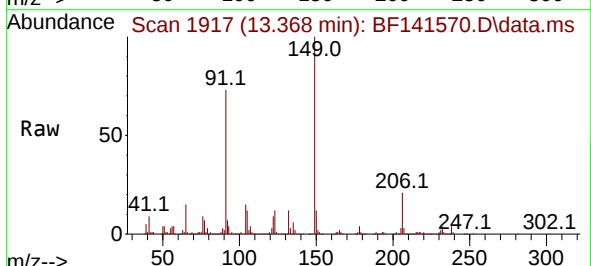
Tgt Ion:149 Resp: 142711

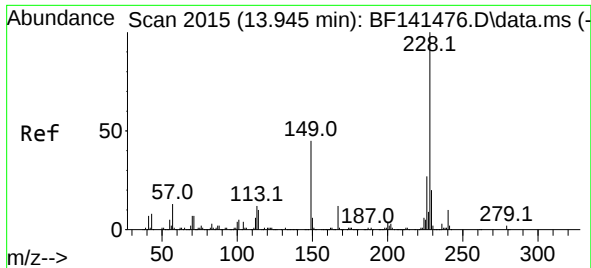
Ion Ratio Lower Upper

149 100

91 73.2 57.8 86.8

206 20.6 16.7 25.1

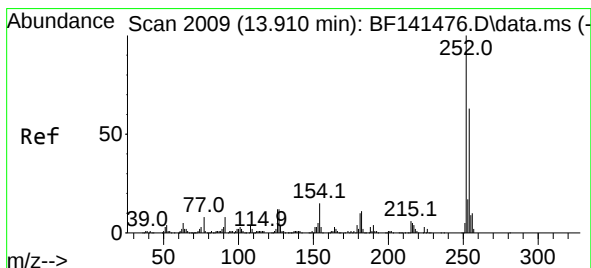
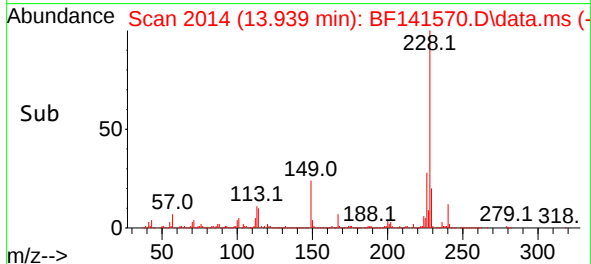
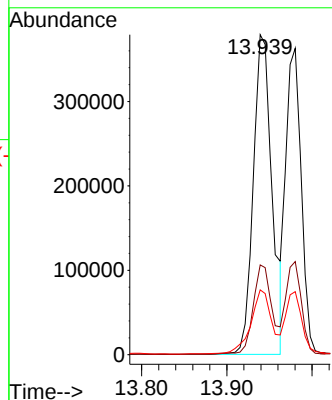
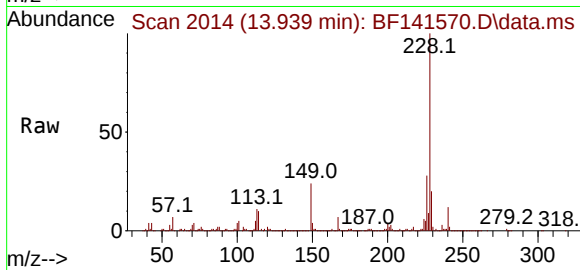




#81
Benzo(a)anthracene
Concen: 44.367 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

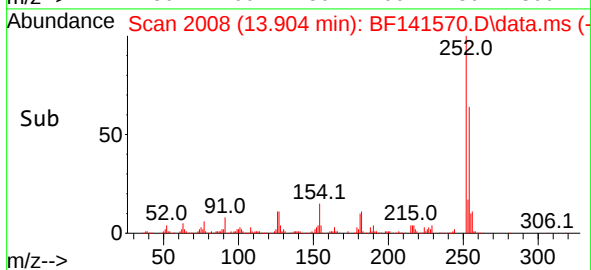
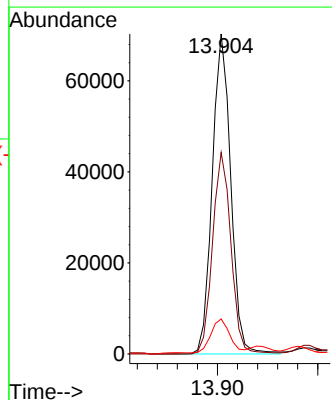
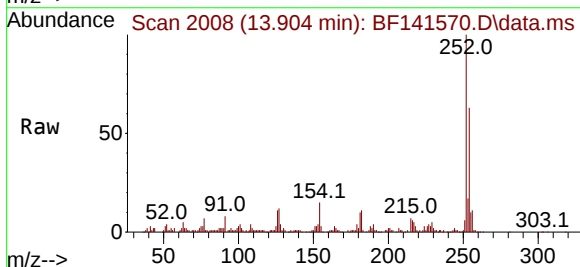
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

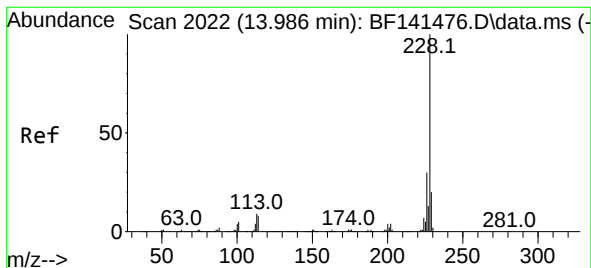
Tgt Ion:228 Resp: 579125
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 20.2 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 24.106 ng
RT: 13.904 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:252 Resp: 90134
Ion Ratio Lower Upper
252 100
254 63.0 50.6 76.0
126 10.9 9.3 13.9





#83

Chrysene

Concen: 37.578 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

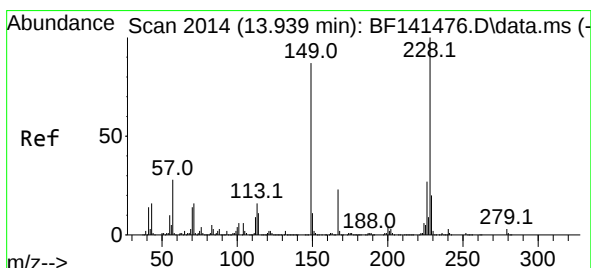
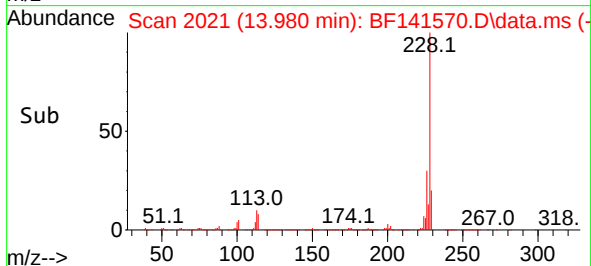
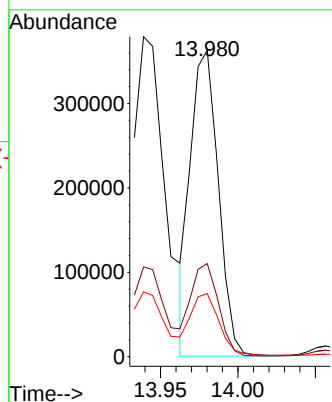
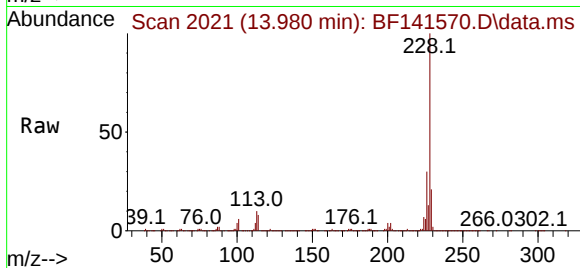
Tgt Ion:228 Resp: 452918

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 20.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.405 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

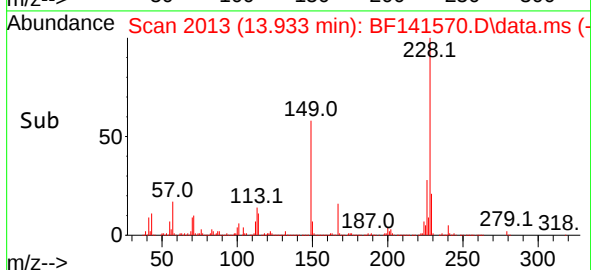
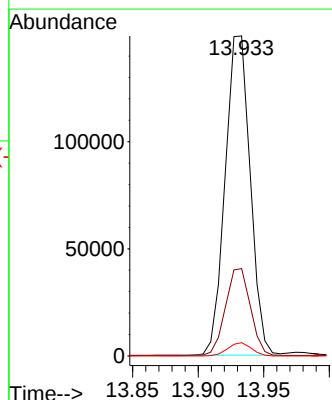
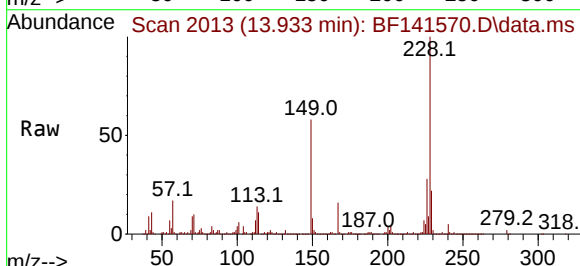
Tgt Ion:149 Resp: 198551

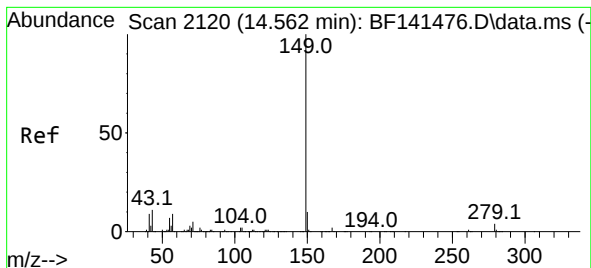
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 36.864 ng

RT: 14.557 min Scan# 2119

Delta R.T. -0.006 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

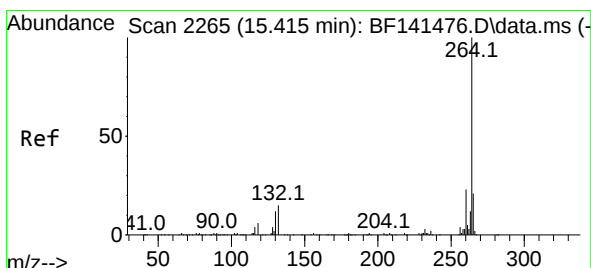
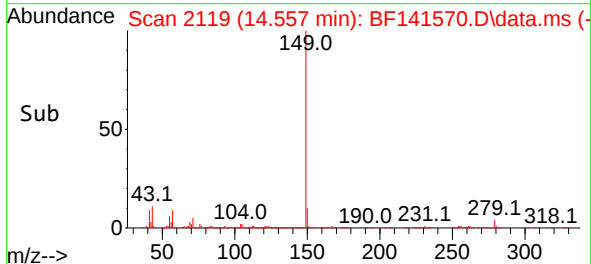
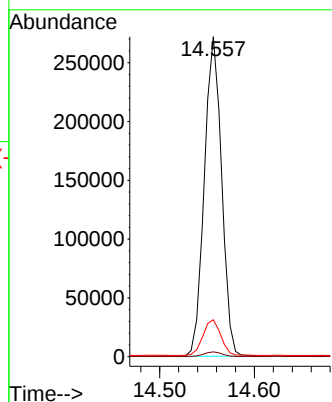
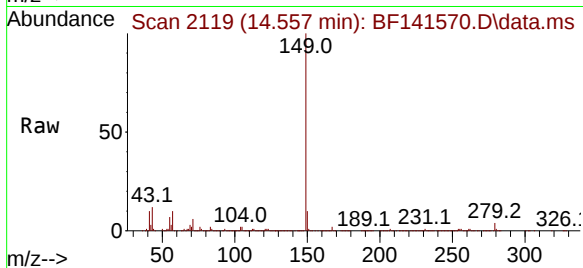
Tgt Ion:149 Resp: 343418

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 11.4 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF141570.D

Acq: 11 Feb 2025 18:53

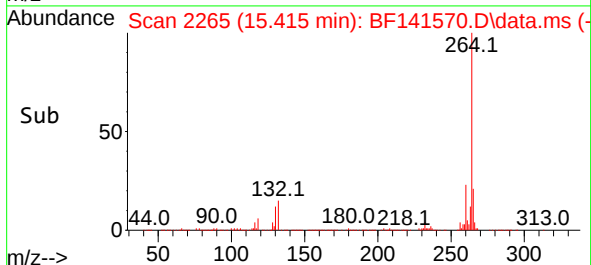
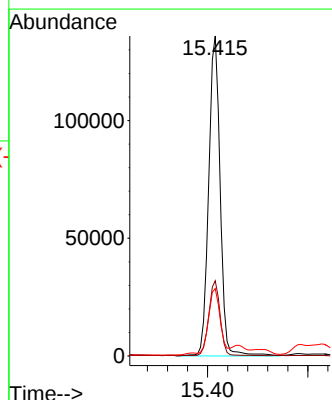
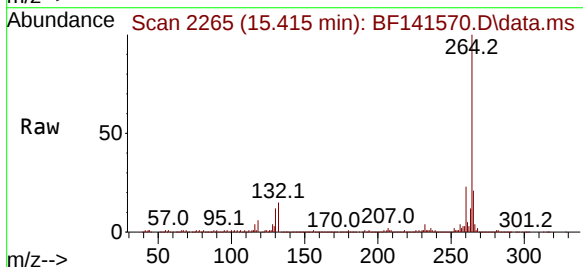
Tgt Ion:264 Resp: 216844

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.1 17.0 25.4

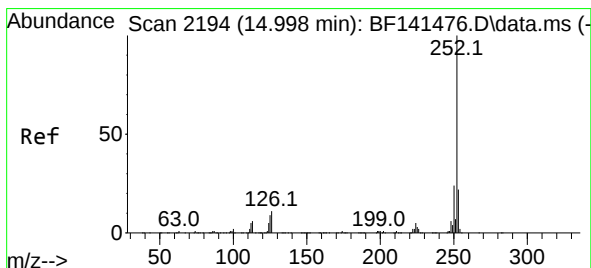
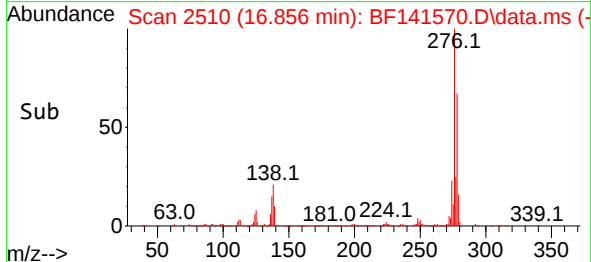
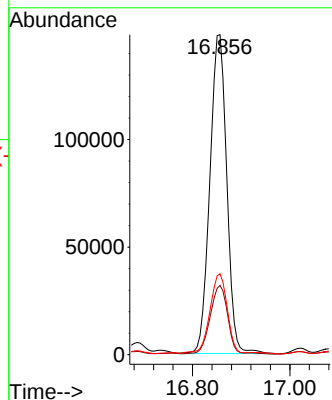
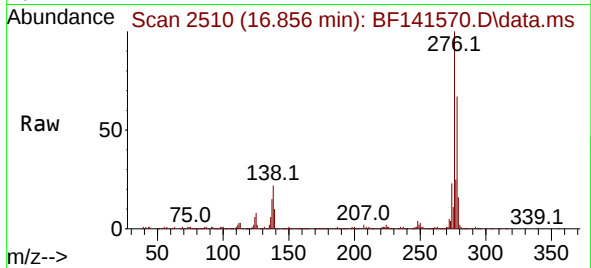




#87
Indeno(1,2,3-cd)pyrene
Concen: 26.667 ng
RT: 16.856 min Scan# 2150
Delta R.T. -0.018 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

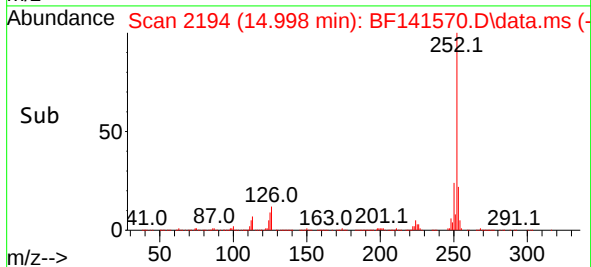
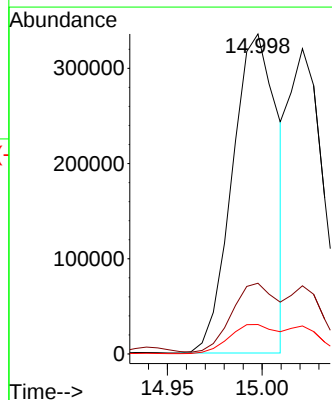
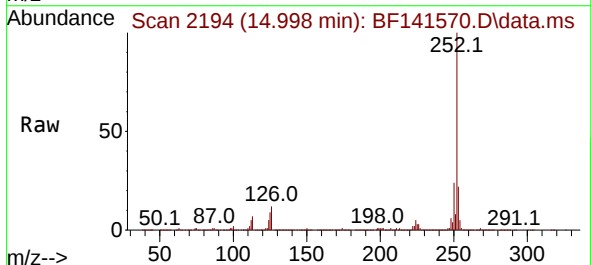
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

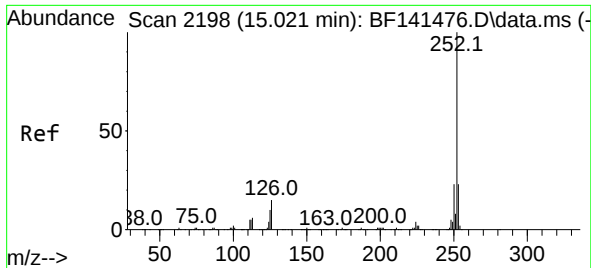
Tgt Ion:276 Resp: 357297
Ion Ratio Lower Upper
276 100
138 21.7 18.0 27.0
277 24.8 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 38.079 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:252 Resp: 554429
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 9.2 7.0 10.6

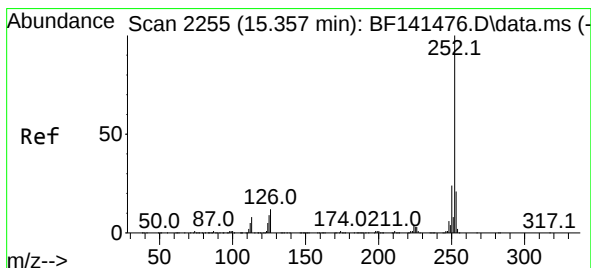
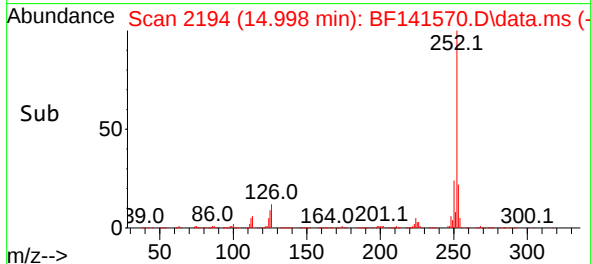
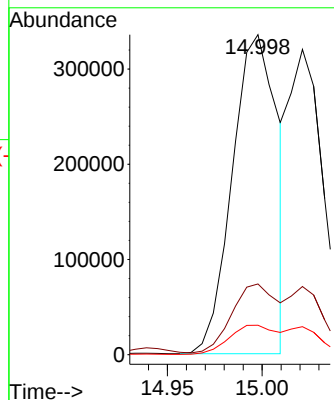
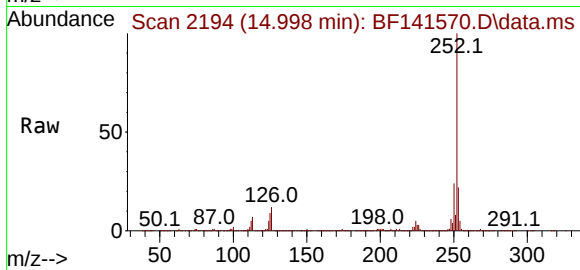




#89
Benzo(k)fluoranthene
Concen: 44.594 ng
RT: 14.998 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

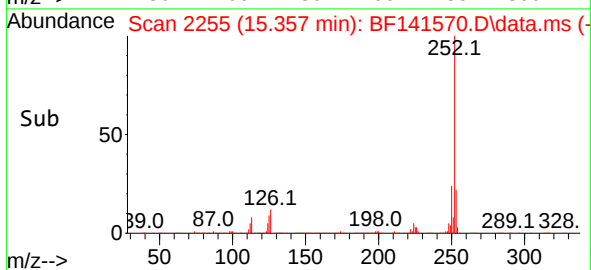
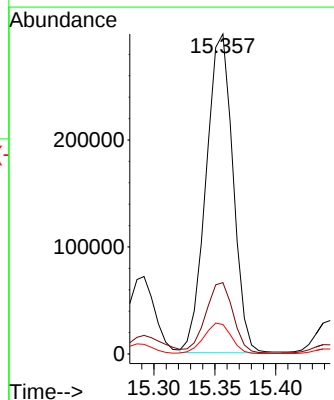
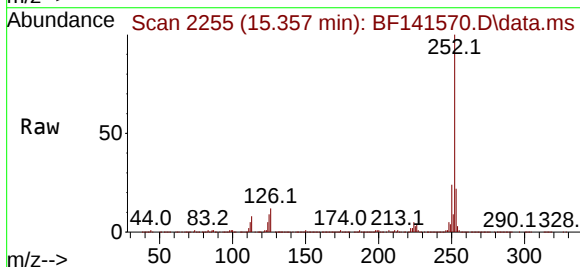
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:252 Resp: 554429
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 9.2 7.4 11.0



#90
Benzo(a)pyrene
Concen: 38.841 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:252 Resp: 457607
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 9.2 7.4 11.2

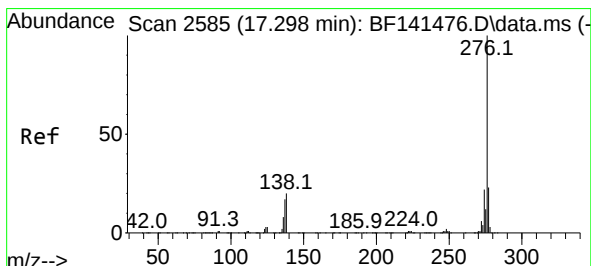
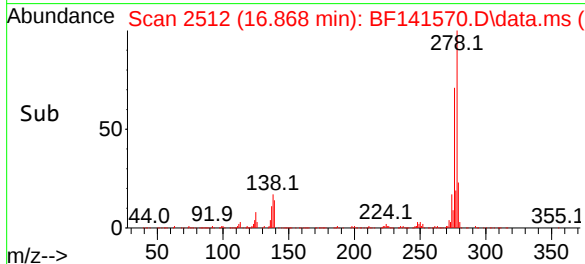
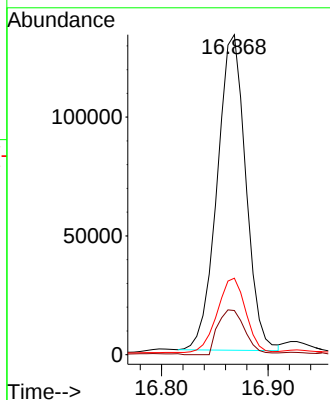
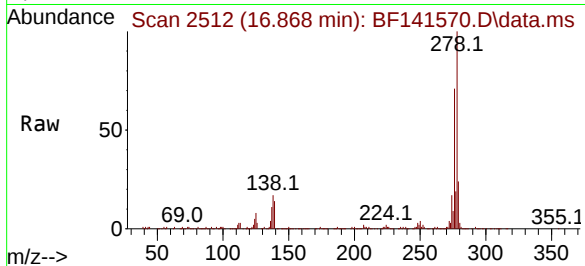




#91
Dibenzo(a,h)anthracene
Concen: 22.840 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.023 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:278 Resp: 247965
Ion Ratio Lower Upper
278 100
139 13.8 11.8 17.6
279 23.9 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 23.038 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141570.D
Acq: 11 Feb 2025 18:53

Tgt Ion:276 Resp: 261735
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 19.1 15.9 23.9

