

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140697.D
 Acq On : 02 Dec 2024 18:57
 Operator : RC/JU
 Sample : P5026-05MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMS

Quant Time: Dec 03 00:05:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	86982	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	326220	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	185319	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	361245	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215378	20.000	ng	0.00
86) Perylene-d12	15.539	264	179173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	404761	79.397	ng	0.01
7) Phenol-d6	6.510	99	520507	77.231	ng	0.00
23) Nitrobenzene-d5	7.434	82	326875	51.253	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	156373	78.897	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	617867	49.676	ng	-0.01
79) Terphenyl-d14	12.980	244	651465	47.099	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	97314	45.401	ng	96
3) Pyridine	3.481	79	232285	49.254	ng	99
4) n-Nitrosodimethylamine	3.434	42	125835	45.399	ng	93
6) Aniline	6.534	93	202004	42.583	ng	93
8) 2-Chlorophenol	6.663	128	261231	47.630	ng	95
9) Benzaldehyde	6.422	77	92190	25.839	ng	99
10) Phenol	6.528	94	335261	48.710	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	241087	45.774	ng	99
12) 1,3-Dichlorobenzene	6.810	146	270476	43.889	ng	99
13) 1,4-Dichlorobenzene	6.886	146	277935	44.540	ng	100
14) 1,2-Dichlorobenzene	7.039	146	266699	45.612	ng	99
15) Benzyl Alcohol	7.016	79	238550	47.728	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	295947	47.562	ng	90
17) 2-Methylphenol	7.128	107	206380	47.007	ng	97
18) Hexachloroethane	7.381	117	101781	43.672	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	183718	46.124	ng	96
20) 3+4-Methylphenols	7.286	107	270560	47.945	ng	# 88
22) Acetophenone	7.281	105	356828	44.867	ng	98
24) Nitrobenzene	7.451	77	282479	42.855	ng	98
25) Isophorone	7.692	82	495522	46.583	ng	99
26) 2-Nitrophenol	7.769	139	138912	47.555	ng	96
27) 2,4-Dimethylphenol	7.804	122	196488	56.220	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	298103	46.001	ng	99
29) 2,4-Dichlorophenol	8.016	162	223268	48.210	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	227995	43.118	ng	99
31) Naphthalene	8.175	128	752162	44.763	ng	99
32) Benzoic acid	7.945	122	110420	38.058	ng	98
33) 4-Chloroaniline	8.228	127	88445	17.580	ng	98
34) Hexachlorobutadiene	8.286	225	147954	42.244	ng	99
35) Caprolactam	8.598	113	48805	34.053	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	249424	48.104	ng	100
37) 2-Methylnaphthalene	8.863	142	496414	46.513	ng	100
38) 1-Methylnaphthalene	8.963	142	461372	44.102	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	241508	44.516	ng	99
41) Hexachlorocyclopentadiene	9.016	237	193001	151.133	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	154115	45.271	ng	100

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	168210	45.529	ng	97
46) 1,1'-Biphenyl	9.328	154	631770	45.661	ng	99
47) 2-Chloronaphthalene	9.351	162	472794	45.097	ng	99
48) 2-Nitroaniline	9.457	65	158460	47.089	ng	97
49) Acenaphthylene	9.769	152	778803	49.165	ng	100
50) Dimethylphthalate	9.627	163	570326	46.729	ng	100
51) 2,6-Dinitrotoluene	9.698	165	124988	45.154	ng	94
52) Acenaphthene	9.945	154	468552	46.553	ng	98
53) 3-Nitroaniline	9.869	138	76391	28.217	ng	96
54) 2,4-Dinitrophenol	9.986	184	129635	89.408	ng	92
55) Dibenzofuran	10.116	168	708430	46.145	ng	99
56) 4-Nitrophenol	10.045	139	158869	86.045	ng	95
57) 2,4-Dinitrotoluene	10.104	165	172063	46.771	ng	98
58) Fluorene	10.457	166	575880	46.733	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	145636	51.290	ng	92
60) Diethylphthalate	10.327	149	575157	46.382	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	278573	46.064	ng	99
62) 4-Nitroaniline	10.486	138	133321	46.954	ng	96
63) Azobenzene	10.610	77	595388	50.701	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	95467	51.716	ng	98
66) n-Nitrosodiphenylamine	10.569	169	494813	46.318	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	168456	45.281	ng	96
68) Hexachlorobenzene	11.010	284	190245	44.164	ng	99
69) Atrazine	11.098	200	166080	55.262	ng	100
70) Pentachlorophenol	11.210	266	162158	85.530	ng	98
71) Phenanthrene	11.427	178	822711	47.378	ng	99
72) Anthracene	11.474	178	842789	49.617	ng	100
73) Carbazole	11.633	167	780430	47.760	ng	100
74) Di-n-butylphthalate	11.951	149	905796	48.014	ng	100
75) Fluoranthene	12.616	202	905950	48.052	ng	99
77) Benzidine	12.739	184	210111	33.553	ng	99
78) Pyrene	12.845	202	924020	46.400	ng	100
80) Butylbenzylphthalate	13.457	149	350493	48.856	ng	99
81) Benzo(a)anthracene	14.039	228	690465	48.429	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	113614	26.542	ng	100
83) Chrysene	14.074	228	623612	47.836	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	455784	50.315	ng	100
85) Di-n-octyl phthalate	14.633	149	641952	51.855	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	561222	48.064	ng	99
88) Benzo(b)fluoranthene	15.104	252	563925	50.108	ng	99
89) Benzo(k)fluoranthene	15.133	252	447597	45.449	ng	99
90) Benzo(a)pyrene	15.480	252	474294	51.833	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	457088	47.799	ng	99
92) Benzo(g,h,i)perylene	17.509	276	428277	43.889	ng	98

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

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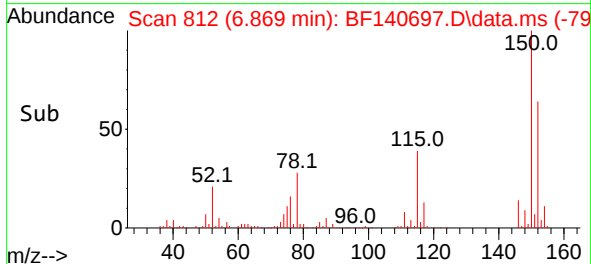
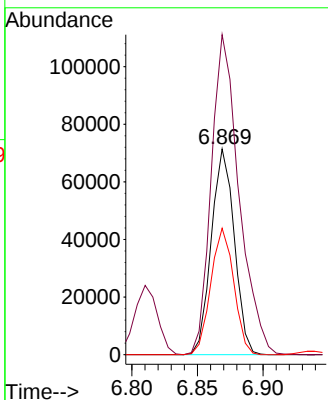
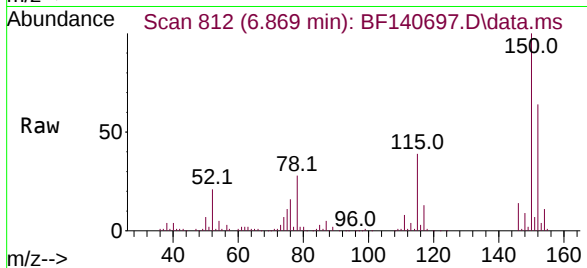




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140697.D
 Acq: 02 Dec 2024 18:57

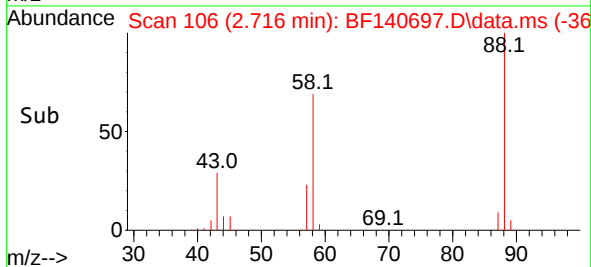
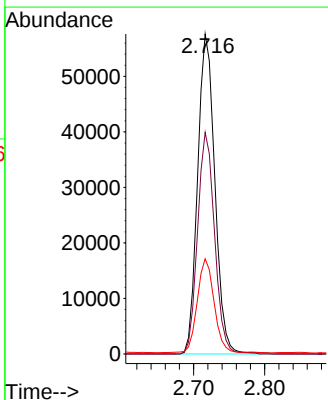
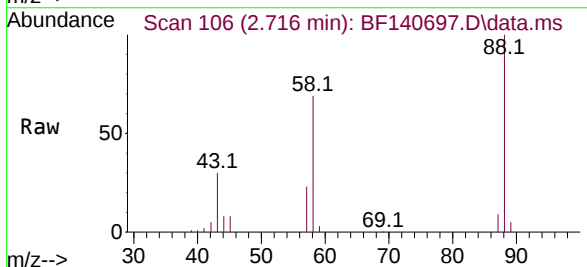
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMS

Tgt Ion:152 Resp: 86982
 Ion Ratio Lower Upper
 152 100
 150 155.5 128.5 192.7
 115 61.4 50.2 75.4



#2
 1,4-Dioxane
 Concen: 45.401 ng
 RT: 2.716 min Scan# 106
 Delta R.T. 0.065 min
 Lab File: BF140697.D
 Acq: 02 Dec 2024 18:57

Tgt Ion: 88 Resp: 97314
 Ion Ratio Lower Upper
 88 100
 58 68.4 57.4 86.2
 43 28.4 24.3 36.5





#3

Pyridine

Concen: 49.254 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

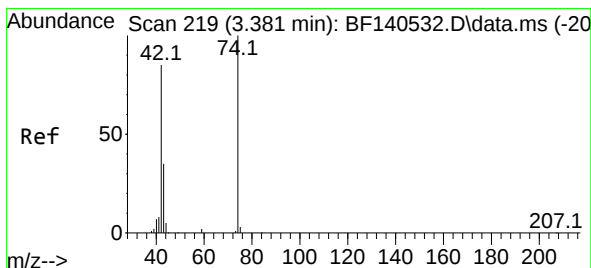
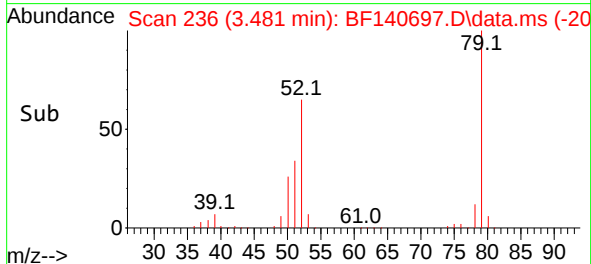
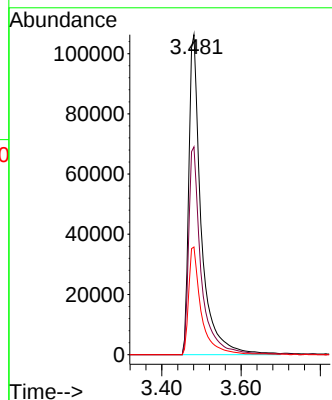
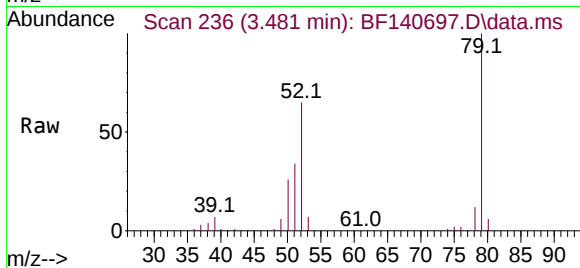
Tgt Ion: 79 Resp: 232285

Ion Ratio Lower Upper

79 100

52 64.9 52.1 78.1

51 33.7 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 45.399 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.053 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

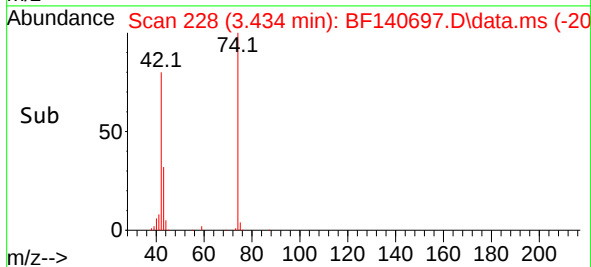
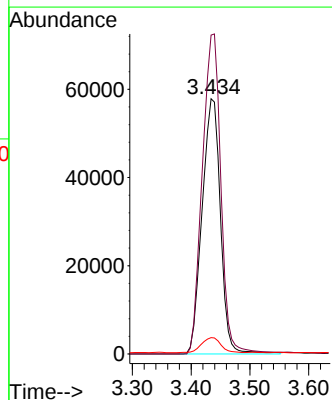
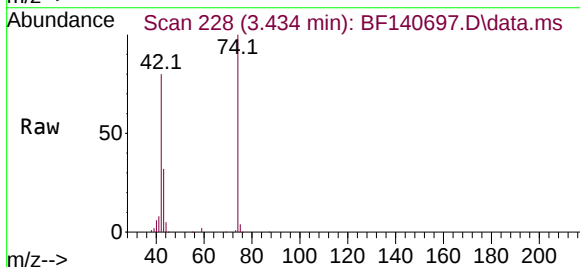
Tgt Ion: 42 Resp: 125835

Ion Ratio Lower Upper

42 100

74 124.9 93.8 140.6

44 6.4 4.6 6.8

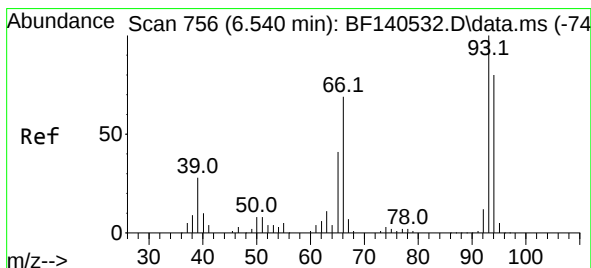
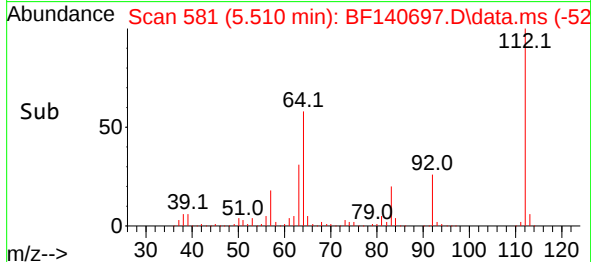
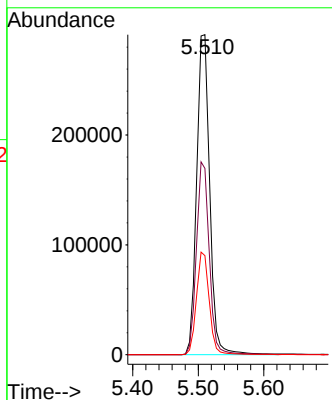
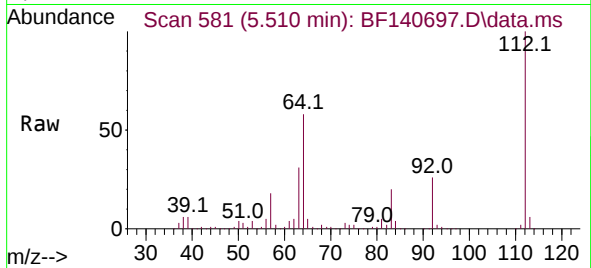




#5
2-Fluorophenol
Concen: 79.397 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

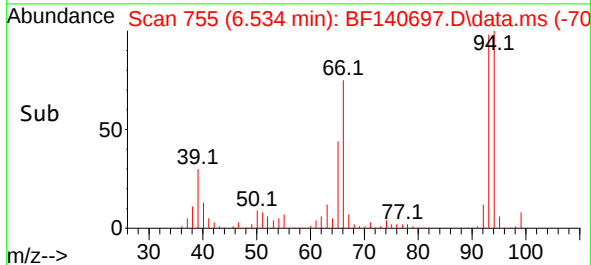
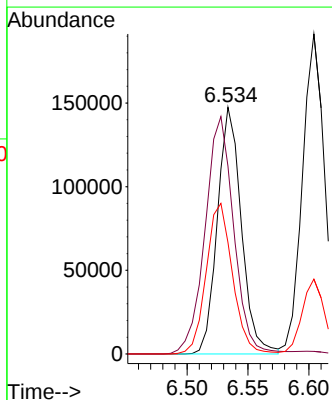
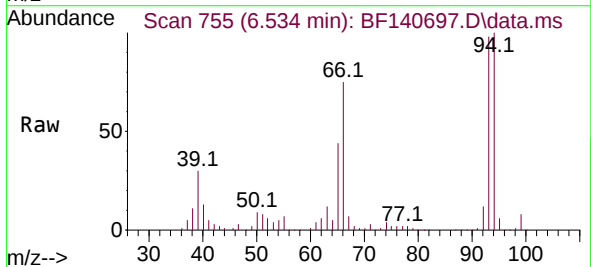
Instrument :
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ClientSampleId :
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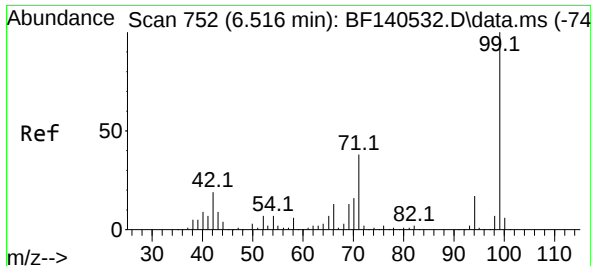
Tgt Ion:112 Resp: 404761
Ion Ratio Lower Upper
112 100
64 58.2 49.2 73.8
63 30.9 27.0 40.4



#6
Aniline
Concen: 42.583 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 93 Resp: 202004
Ion Ratio Lower Upper
93 100
66 76.1 56.5 84.7
65 45.2 32.9 49.3

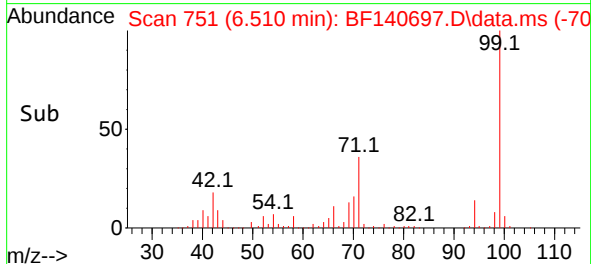
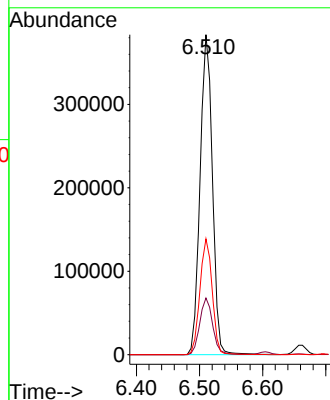
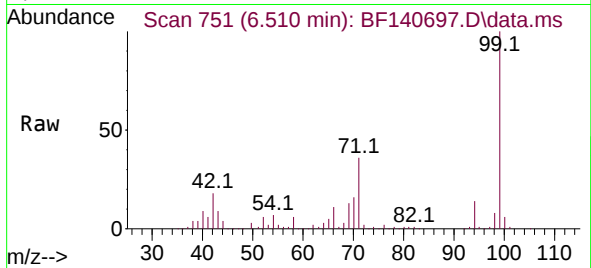




#7
Phenol-d6
Concen: 77.231 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

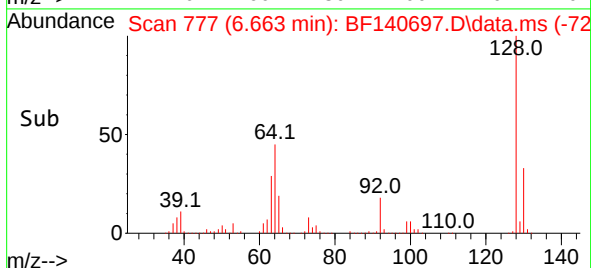
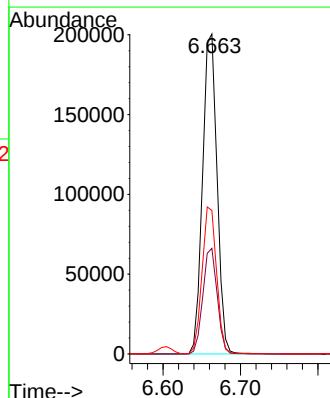
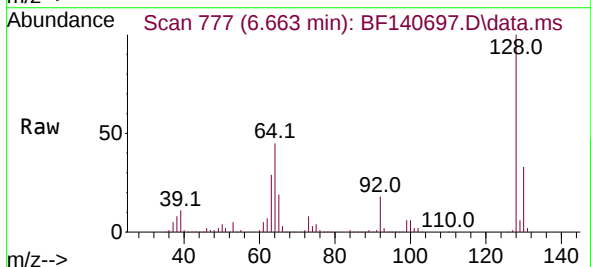
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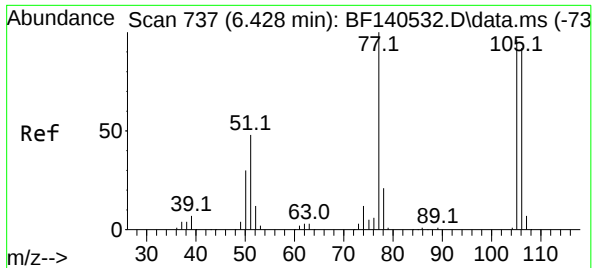
Tgt Ion: 99 Resp: 520507
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 36.2 30.6 46.0



#8
2-Chlorophenol
Concen: 47.630 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 128 Resp: 261231
Ion Ratio Lower Upper
128 100
130 33.0 12.3 52.3
64 44.9 30.2 70.2

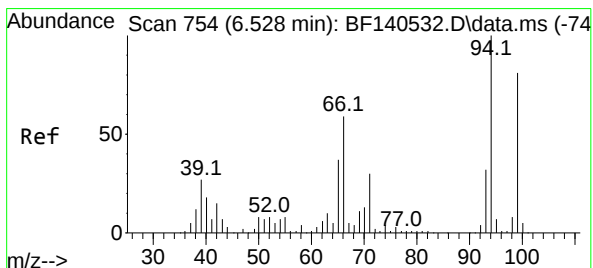
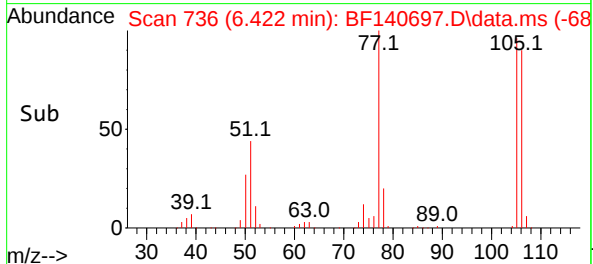
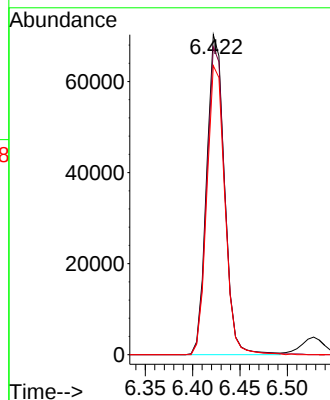
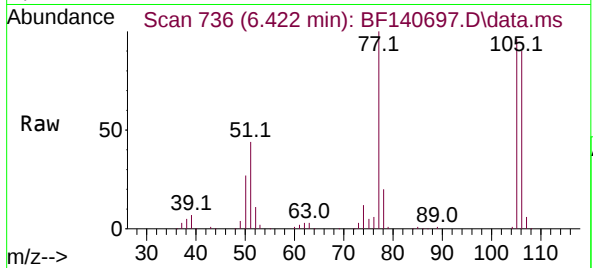




#9
Benzaldehyde
Concen: 25.839 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

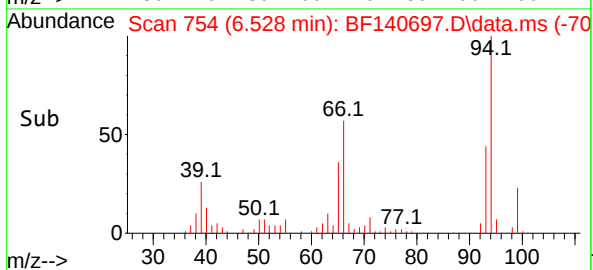
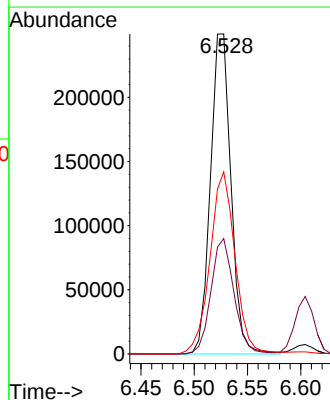
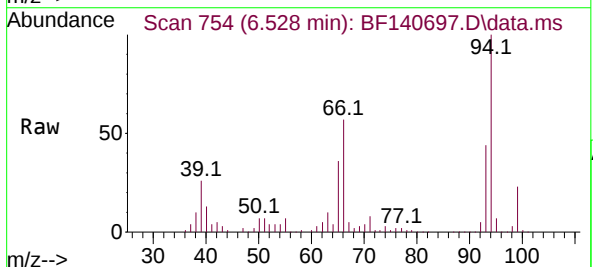
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion: 77 Resp: 92190
Ion Ratio Lower Upper
77 100
105 96.2 75.6 115.6
106 90.3 72.0 112.0



#10
Phenol
Concen: 48.710 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 94 Resp: 335261
Ion Ratio Lower Upper
94 100
65 36.1 17.2 57.2
66 56.9 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 45.774 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

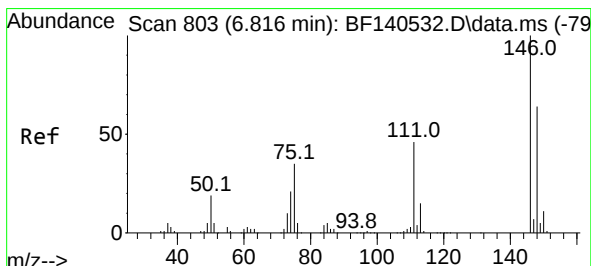
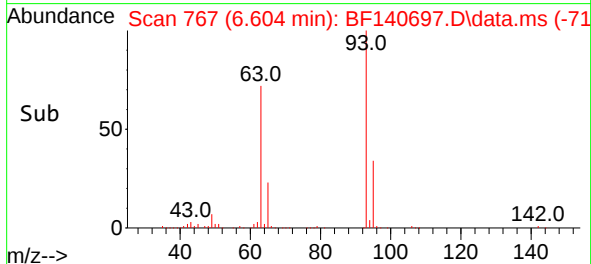
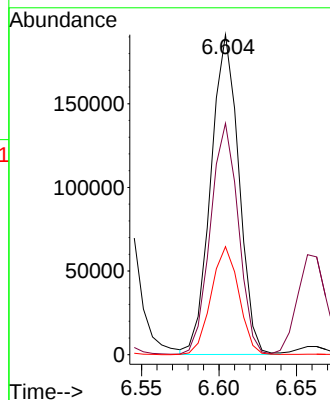
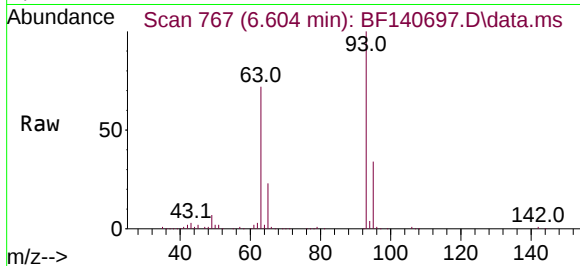
Tgt Ion: 93 Resp: 241087

Ion Ratio Lower Upper

93 100

63 72.3 52.8 92.8

95 33.8 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 43.889 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

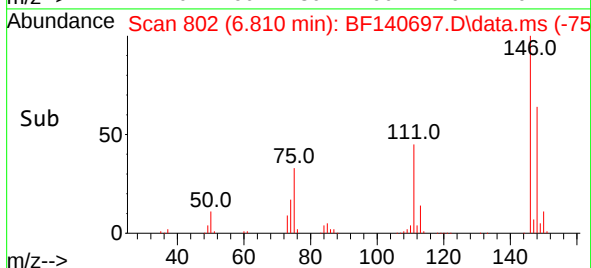
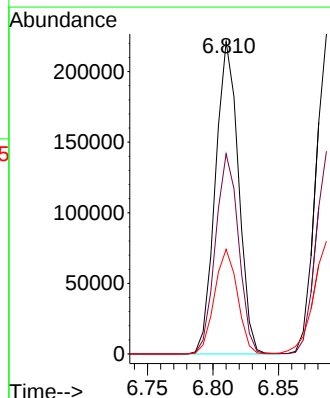
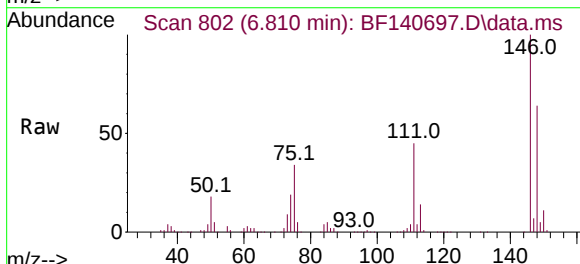
Tgt Ion: 146 Resp: 270476

Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 33.5 28.2 42.2

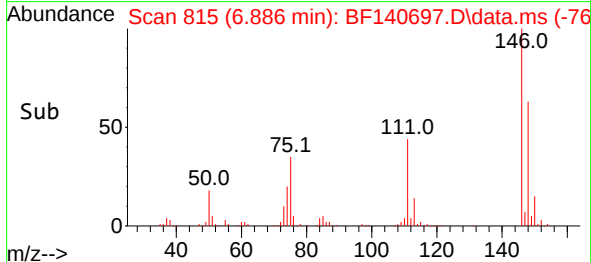
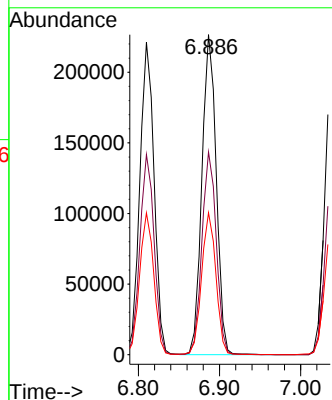
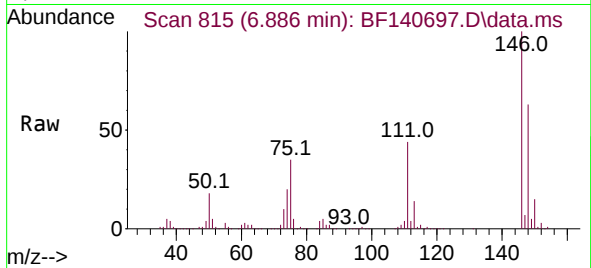




#13
1,4-Dichlorobenzene
Concen: 44.540 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

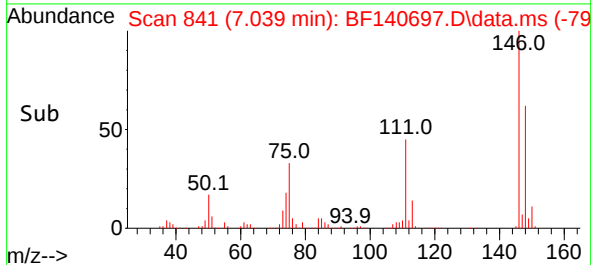
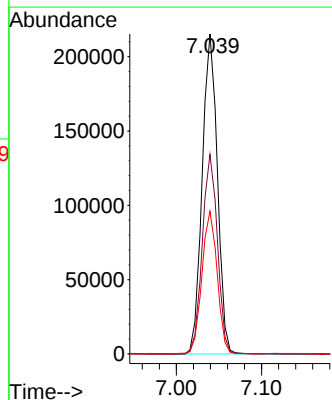
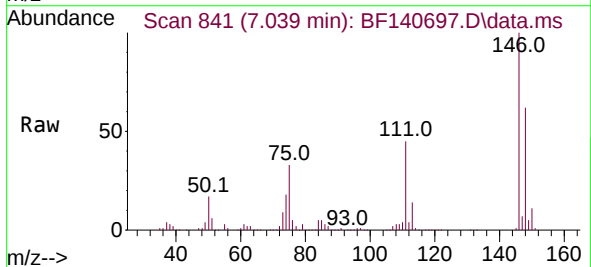
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:146 Resp: 277935
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.6
111 44.3 35.3 52.9



#14
1,2-Dichlorobenzene
Concen: 45.612 ng
RT: 7.039 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:146 Resp: 266699
Ion Ratio Lower Upper
146 100
148 62.3 50.5 75.7
111 44.6 36.7 55.1

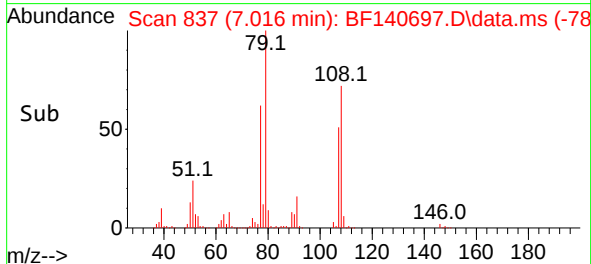
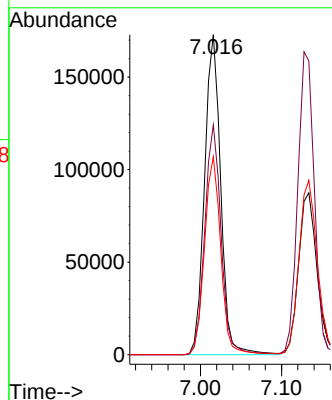
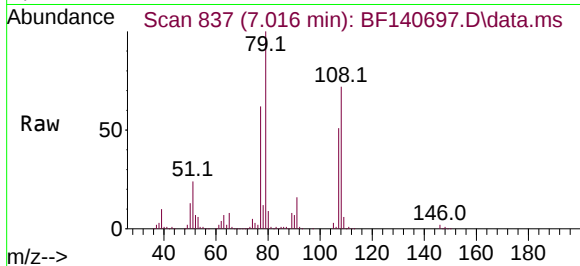




#15
Benzyl Alcohol
Concen: 47.728 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

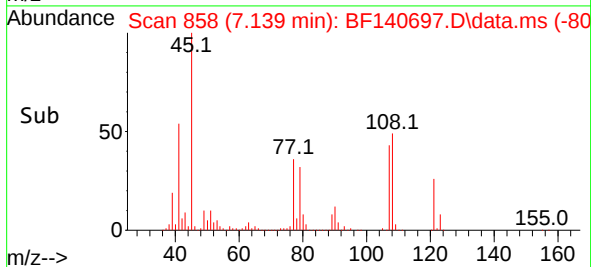
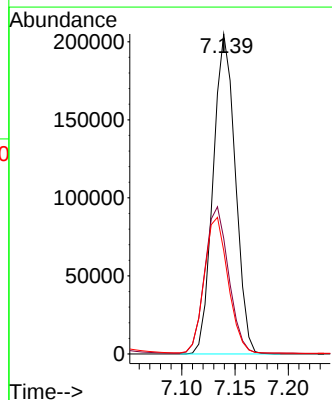
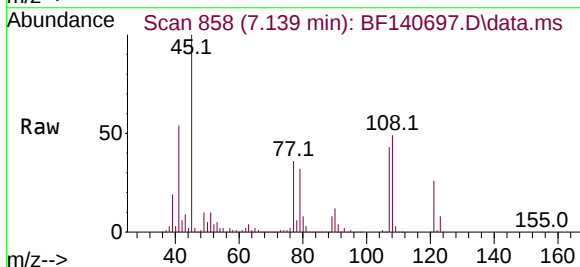
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

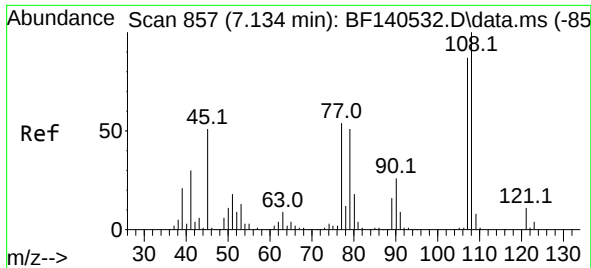
Tgt Ion: 79 Resp: 238550
Ion Ratio Lower Upper
79 100
108 71.8 55.0 82.6
77 61.8 50.1 75.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.562 ng
RT: 7.139 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 45 Resp: 295947
Ion Ratio Lower Upper
45 100
77 36.2 10.7 50.7
79 32.3 7.0 47.0

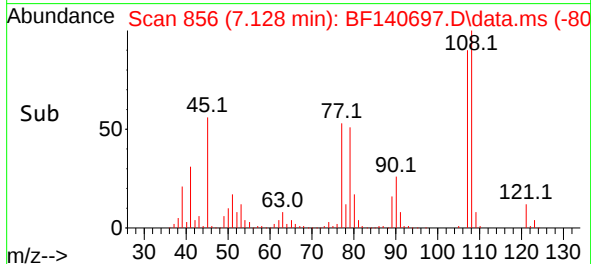
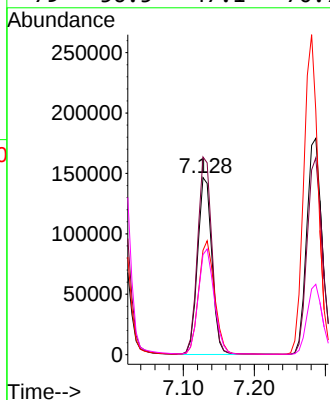
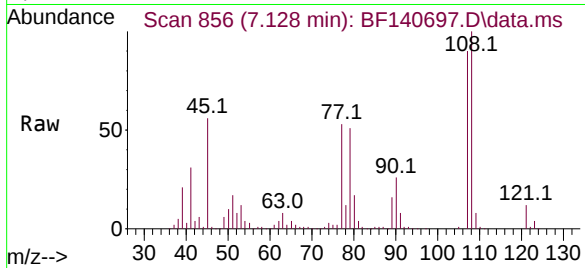




#17
2-Methylphenol
Concen: 47.007 ng
RT: 7.128 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

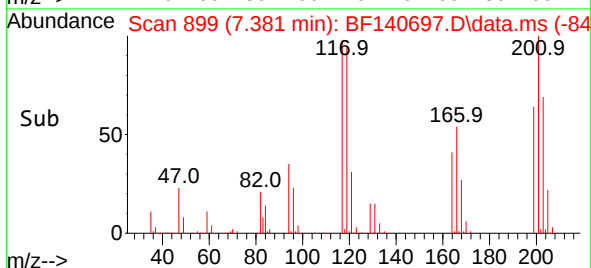
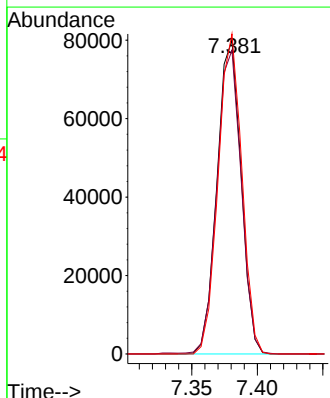
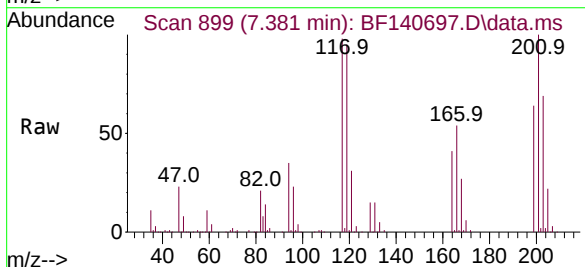
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:	107	Resp:	206380
Ion	Ratio	Lower	Upper
107	100		
108	111.7	91.7	137.5
77	58.9	49.3	73.9
79	56.5	47.1	70.7



#18
Hexachloroethane
Concen: 43.672 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:	117	Resp:	101781
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.1	115.7
201	102.0	81.1	121.7



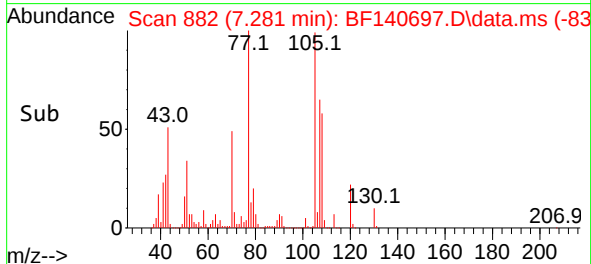
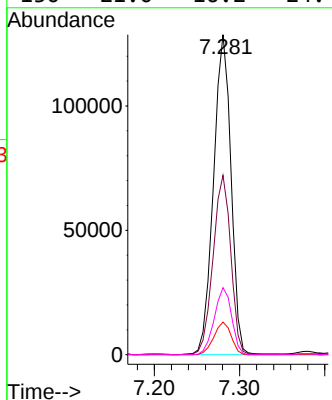
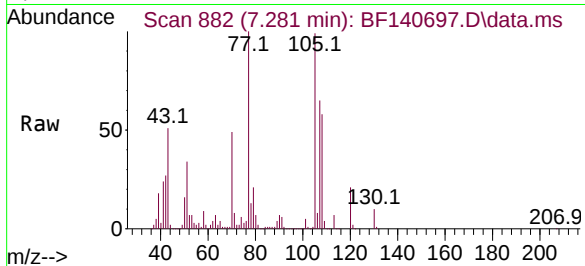


#19
n-Nitroso-di-n-propylamine
Concen: 46.124 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion: 70 Resp: 183718

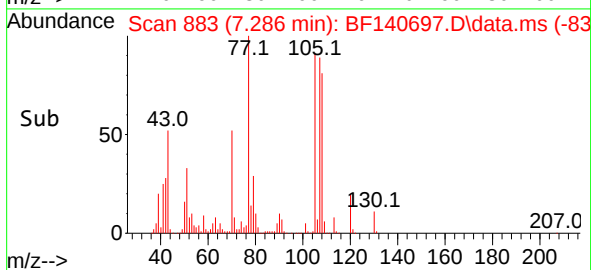
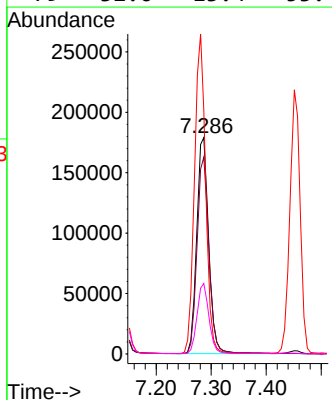
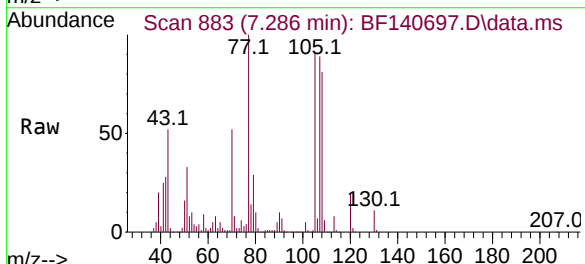
Ion	Ratio	Lower	Upper
70	100		
42	56.1	47.6	71.4
101	10.2	7.6	11.4
130	21.0	16.2	24.4

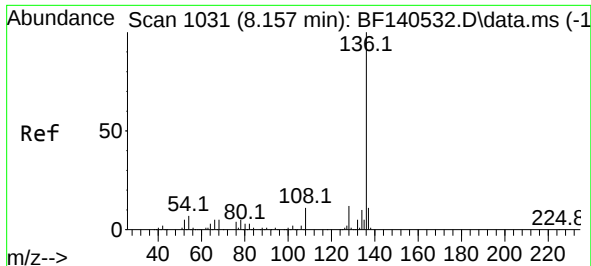


#20
3+4-Methylphenols
Concen: 47.945 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 107 Resp: 270560

Ion	Ratio	Lower	Upper
107	100		
108	91.0	69.9	109.9
77	112.7	117.7	157.7#
79	32.6	13.4	53.4



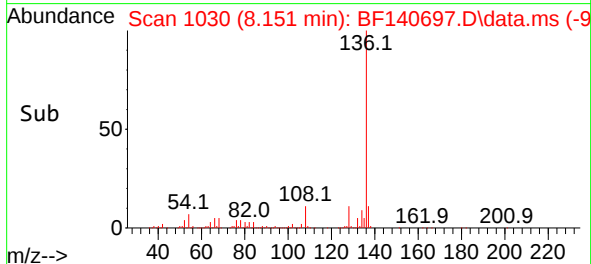
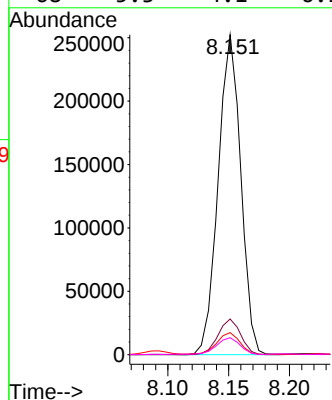
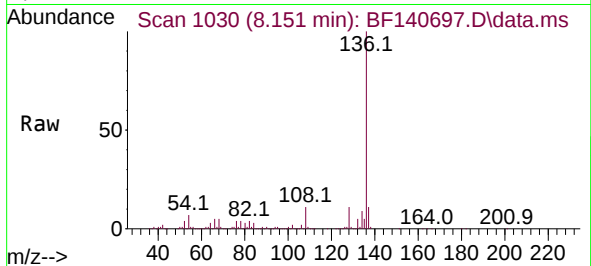


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:136 Resp: 326220

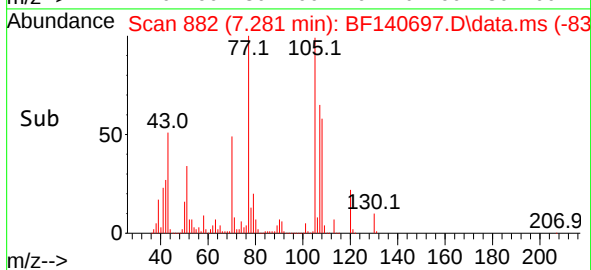
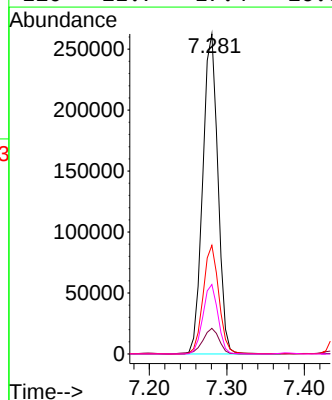
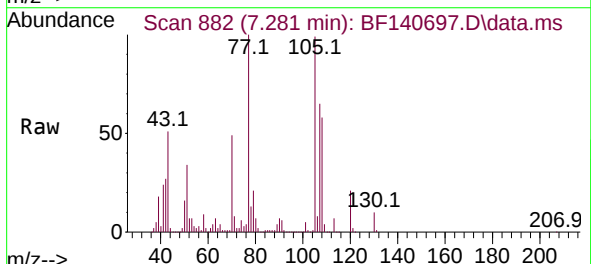
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	6.9	5.8	8.8
68	5.3	4.1	6.1



#22
Acetophenone
Concen: 44.867 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:105 Resp: 356828

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.2	9.2
51	34.0	29.0	43.6
120	21.7	17.4	26.0

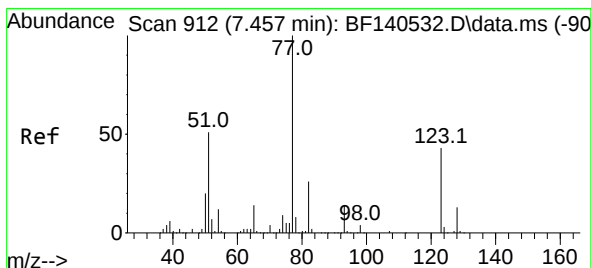
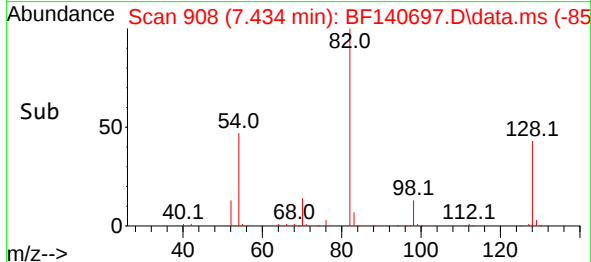
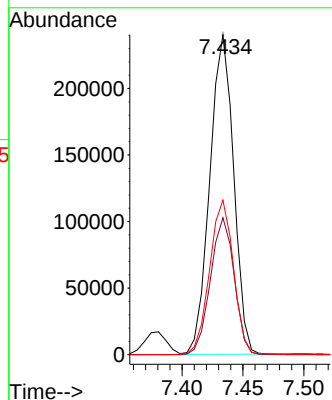
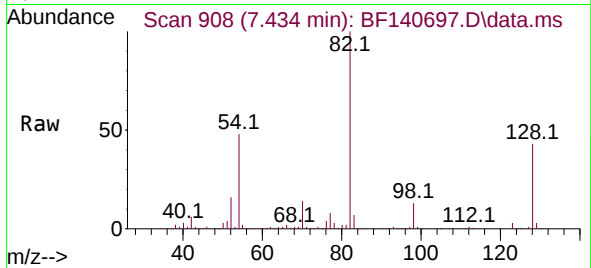




#23
Nitrobenzene-d5
Concen: 51.253 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

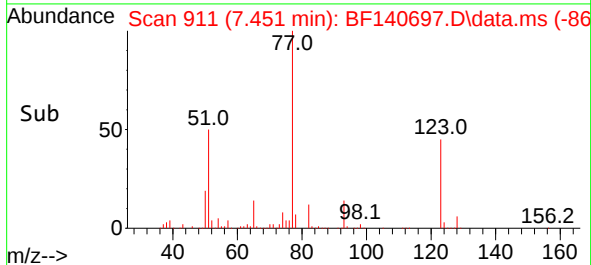
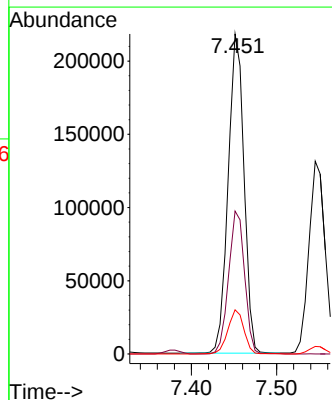
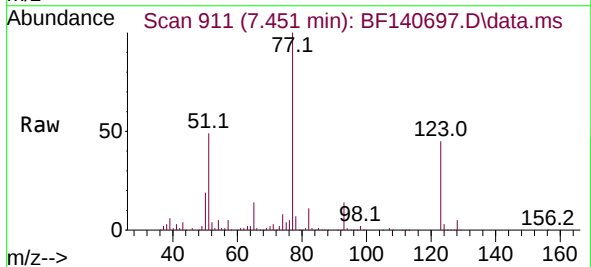
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion: 82 Resp: 326875
Ion Ratio Lower Upper
82 100
128 42.8 33.0 49.4
54 48.3 39.5 59.3



#24
Nitrobenzene
Concen: 42.855 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 77 Resp: 282479
Ion Ratio Lower Upper
77 100
123 44.7 34.3 51.5
65 13.8 11.2 16.8

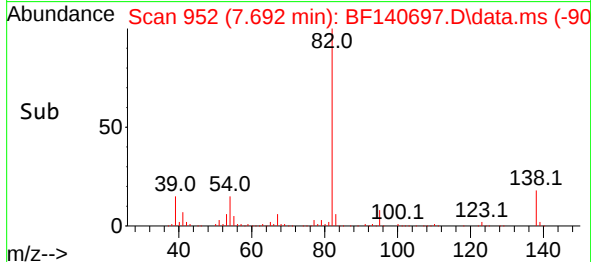
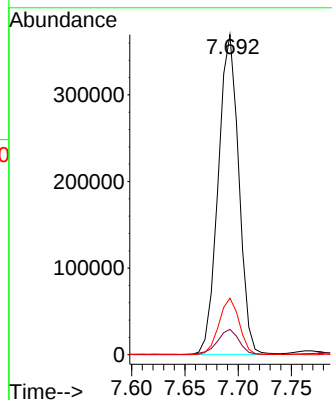
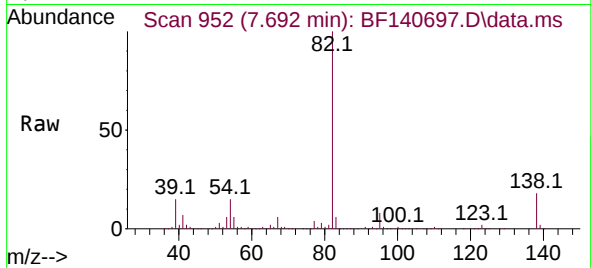




#25
Isophorone
Concen: 46.583 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

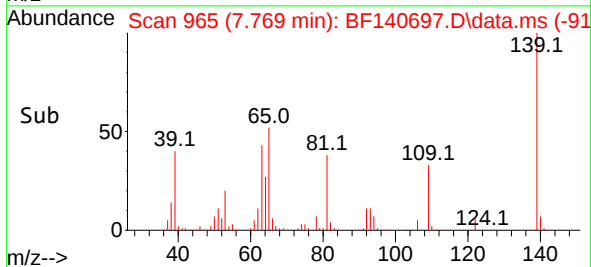
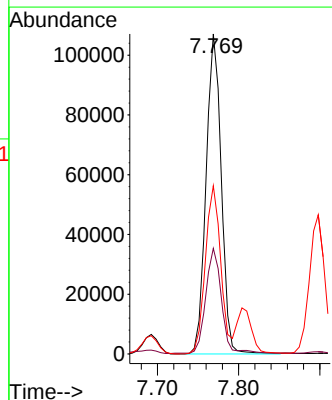
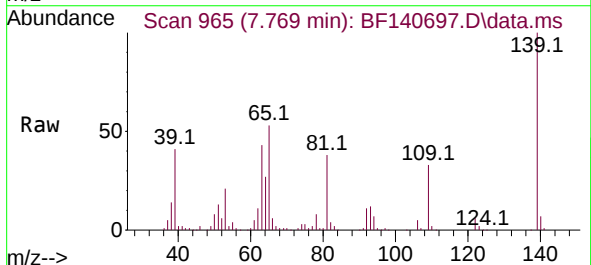
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion: 82 Resp: 495522
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 17.7 13.8 20.6



#26
2-Nitrophenol
Concen: 47.555 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:139 Resp: 138912
Ion Ratio Lower Upper
139 100
109 33.0 28.0 42.0
65 52.5 44.6 67.0

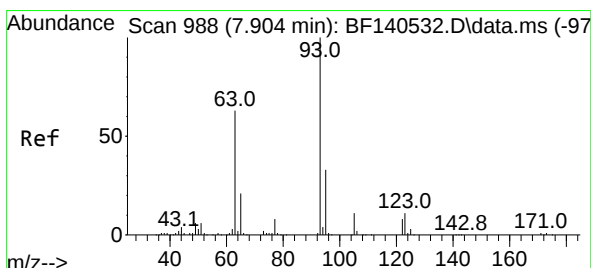
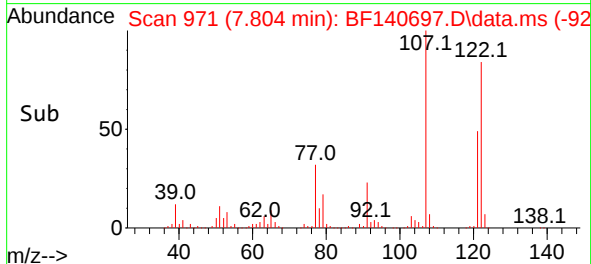
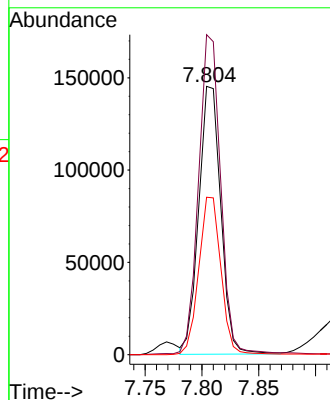
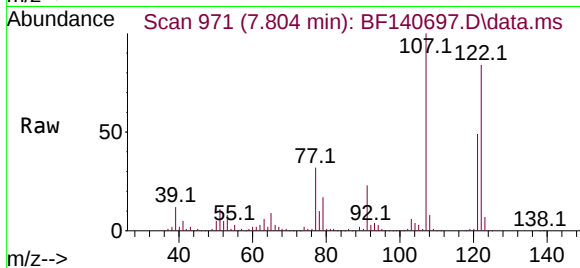




#27
2,4-Dimethylphenol
Concen: 56.220 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

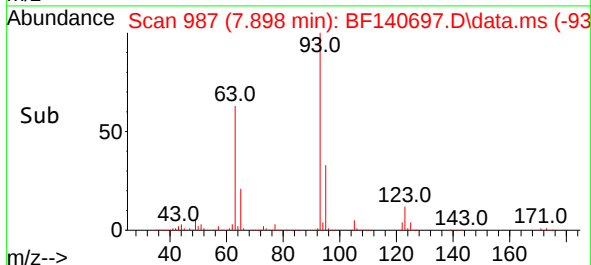
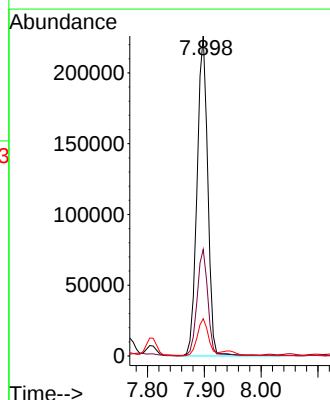
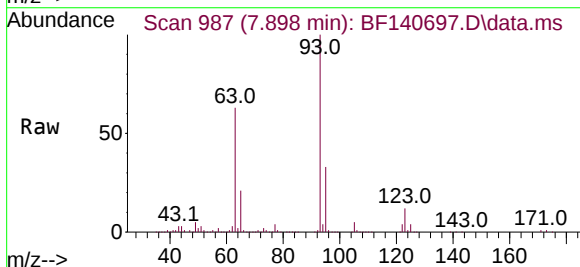
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

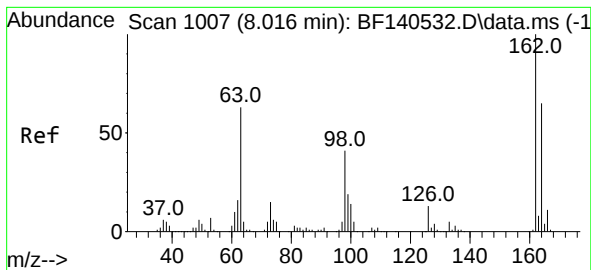
Tgt Ion:122 Resp: 196488
Ion Ratio Lower Upper
122 100
107 119.3 96.8 145.2
121 58.7 47.4 71.0



#28
bis(2-Chloroethoxy)methane
Concen: 46.001 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 93 Resp: 298103
Ion Ratio Lower Upper
93 100
95 33.3 26.1 39.1
123 11.6 9.1 13.7

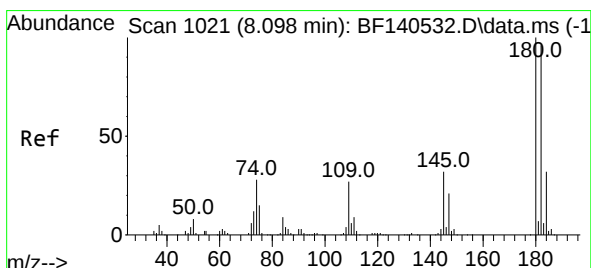
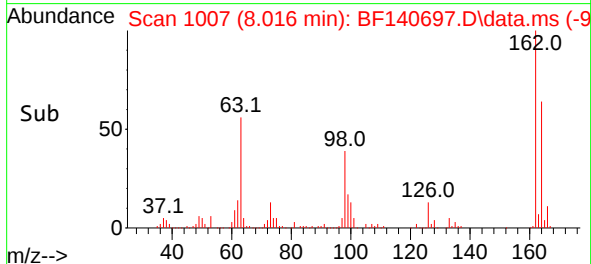
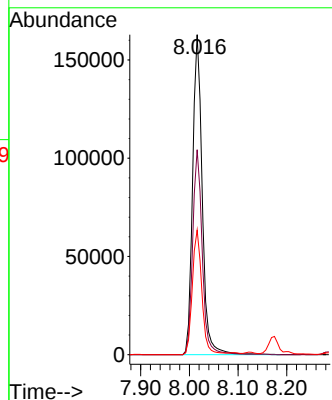
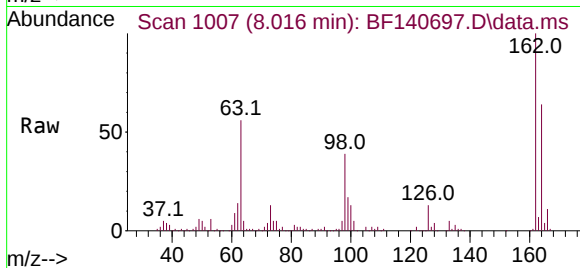




#29
2,4-Dichlorophenol
Concen: 48.210 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

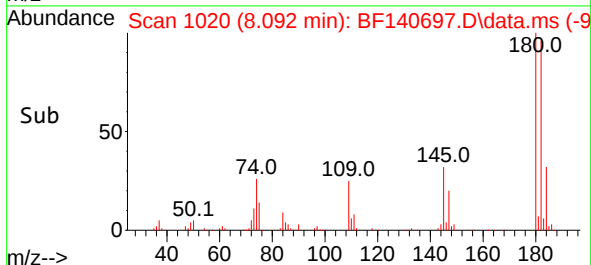
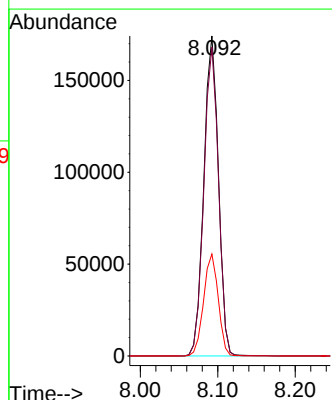
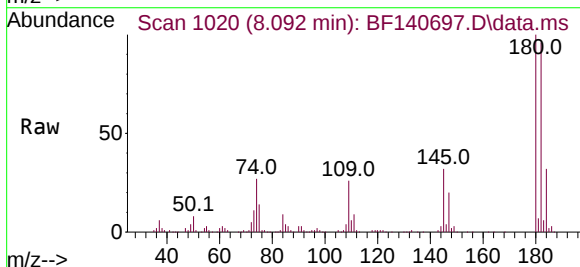
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

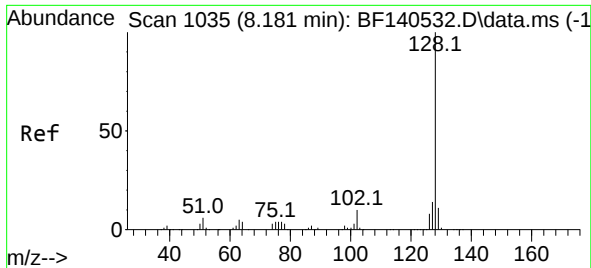
Tgt Ion:162 Resp: 223268
Ion Ratio Lower Upper
162 100
164 64.0 44.8 84.8
98 38.9 21.2 61.2



#30
1,2,4-Trichlorobenzene
Concen: 43.118 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:180 Resp: 227995
Ion Ratio Lower Upper
180 100
182 96.4 76.4 114.6
145 31.9 25.9 38.9

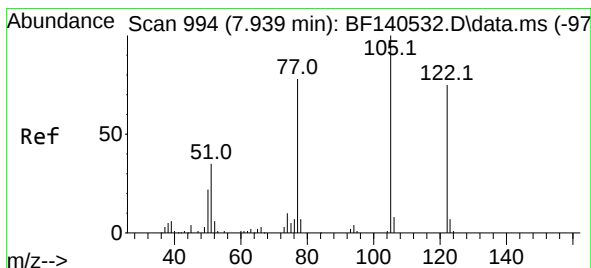
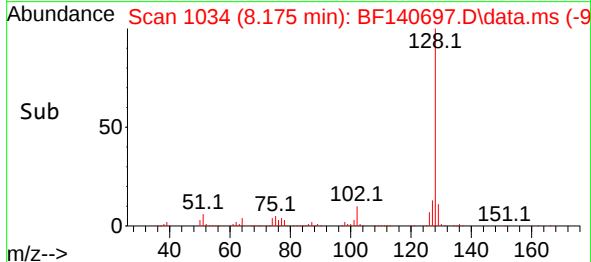
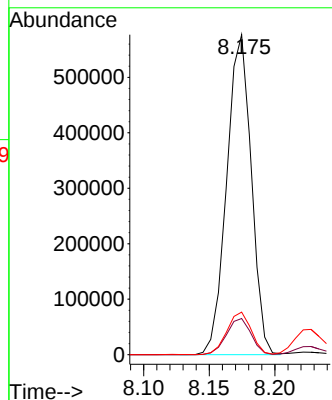
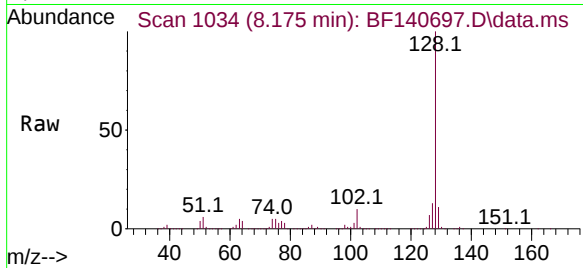




#31
Naphthalene
Concen: 44.763 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

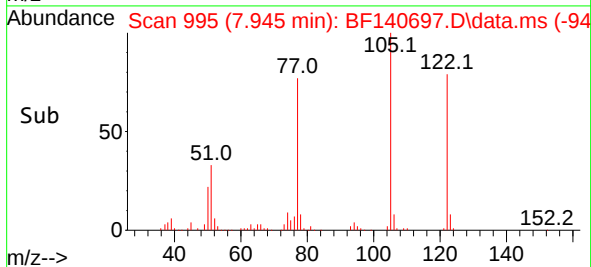
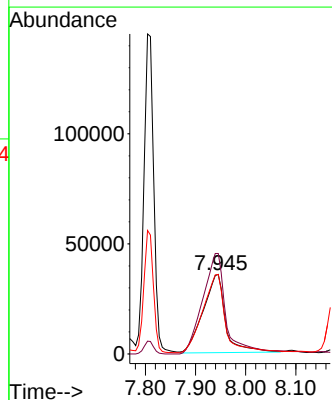
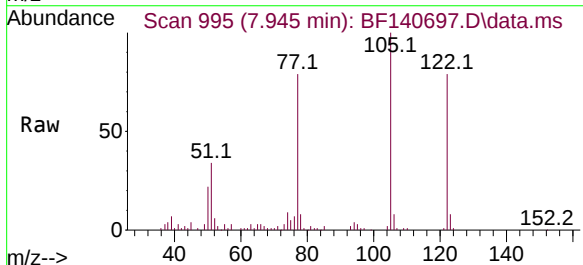
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:128 Resp: 752162
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.3 10.8 16.2



#32
Benzoic acid
Concen: 38.058 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:122 Resp: 110420
Ion Ratio Lower Upper
122 100
105 126.4 109.3 149.3
77 100.0 82.3 122.3

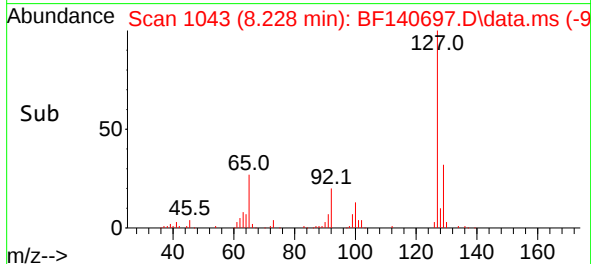
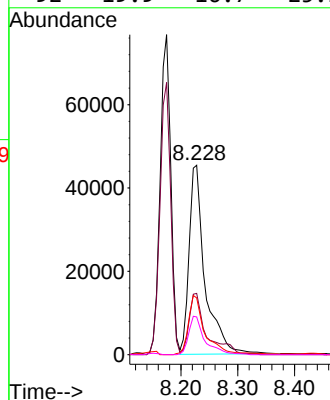
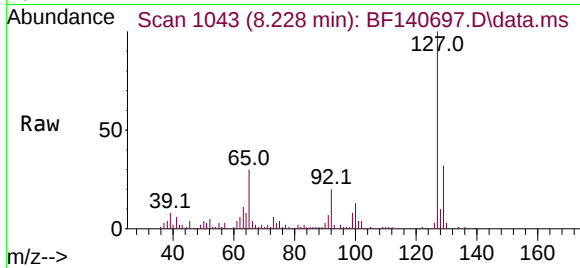




#33
4-Chloroaniline
Concen: 17.580 ng
RT: 8.228 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

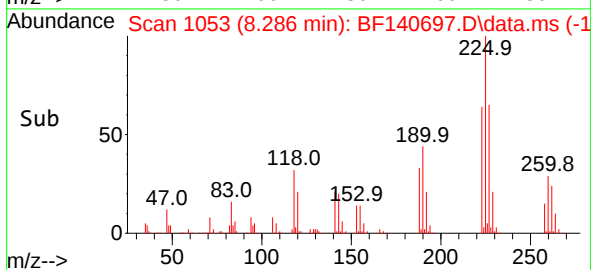
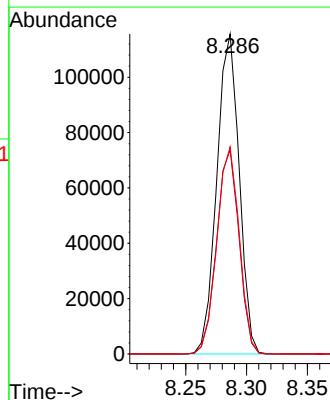
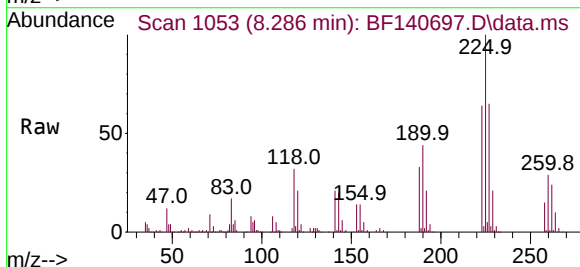
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

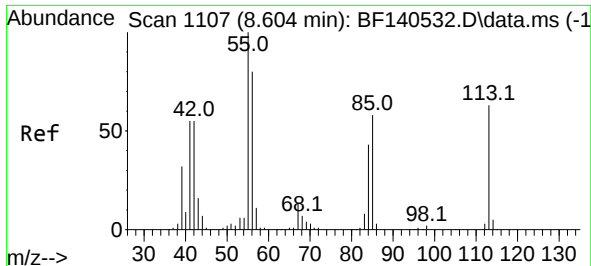
Tgt Ion:	127	Resp:	88445
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	30.0	26.0	39.0
92	19.9	16.7	25.1



#34
Hexachlorobutadiene
Concen: 42.244 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:	225	Resp:	147954
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.8	74.8
227	64.8	51.3	76.9

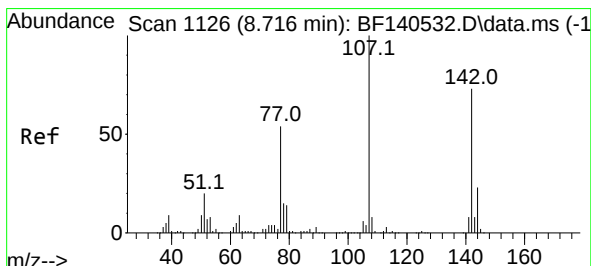
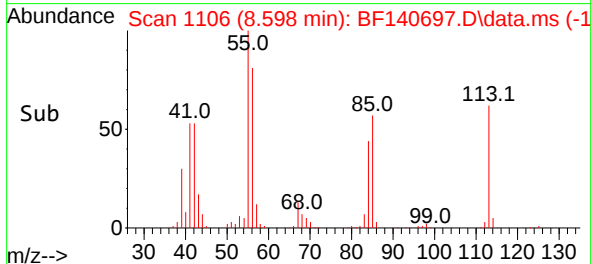
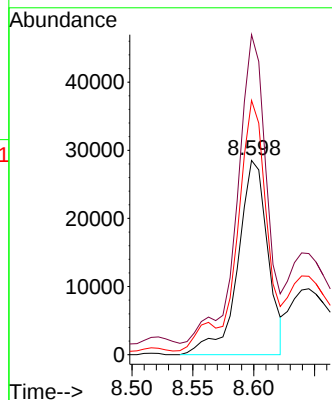
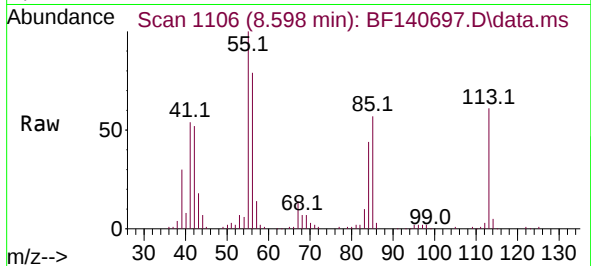




#35
 Caprolactam
 Concen: 34.053 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.006 min
 Lab File: BF140697.D
 Acq: 02 Dec 2024 18:57

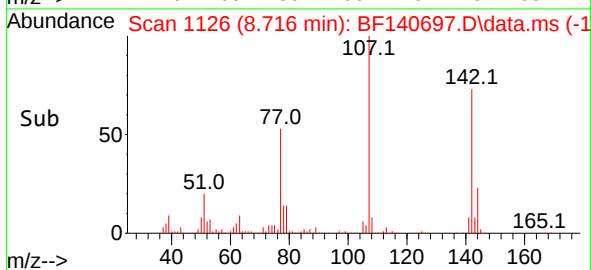
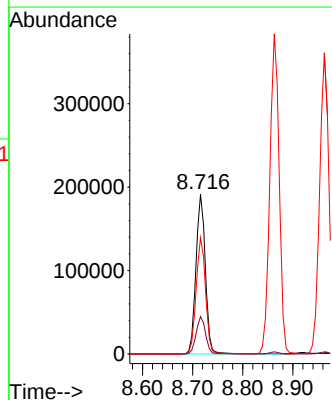
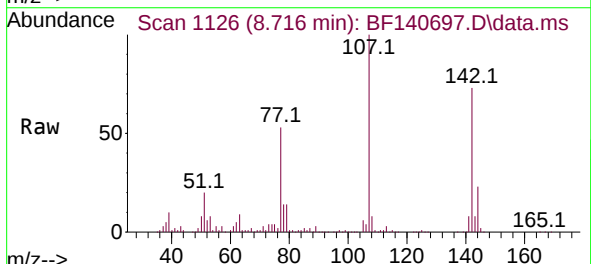
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMS

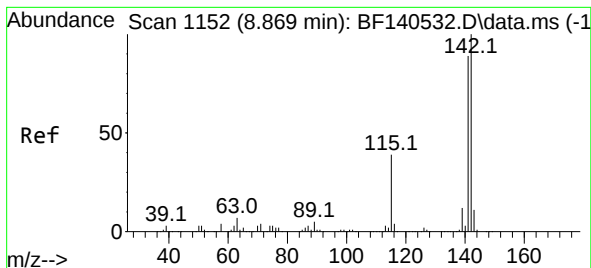
Tgt Ion:113 Resp: 48805
 Ion Ratio Lower Upper
 113 100
 55 164.7 137.7 177.7
 56 130.9 106.4 146.4



#36
 4-Chloro-3-methylphenol
 Concen: 48.104 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: BF140697.D
 Acq: 02 Dec 2024 18:57

Tgt Ion:107 Resp: 249424
 Ion Ratio Lower Upper
 107 100
 144 23.4 18.7 28.1
 142 72.8 58.3 87.5





#37

2-Methylnaphthalene

Concen: 46.513 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

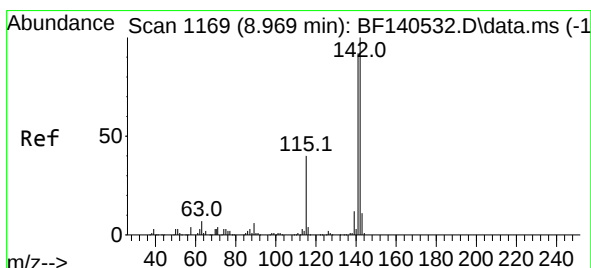
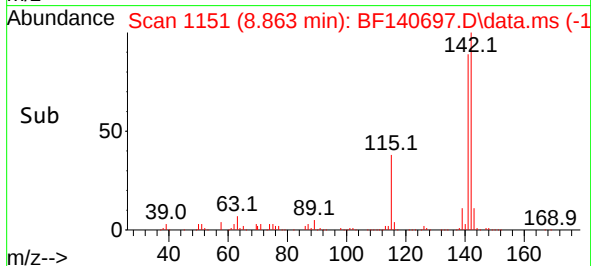
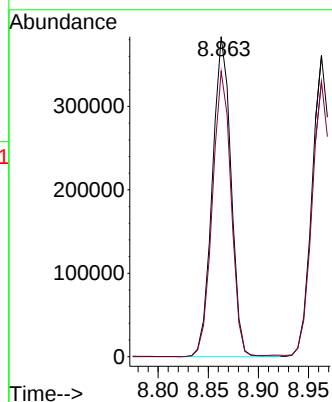
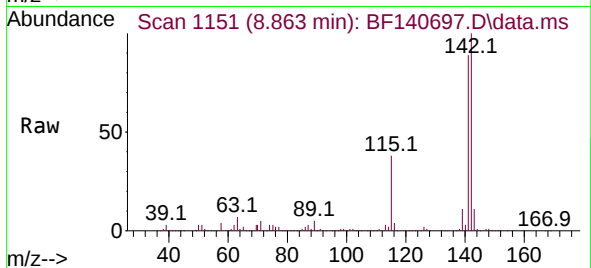
SOIL-1-HAMMS

Tgt Ion:142 Resp: 496414

Ion Ratio Lower Upper

142 100

141 89.2 71.0 106.6



#38

1-Methylnaphthalene

Concen: 44.102 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140697.D

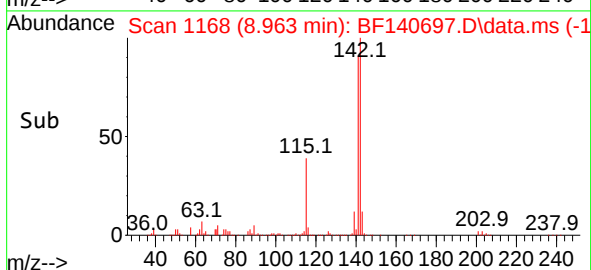
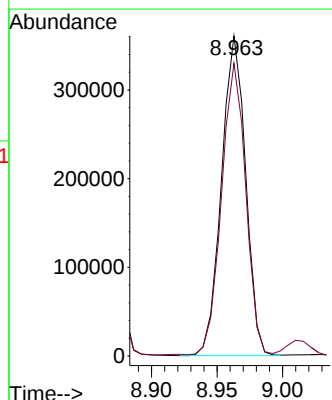
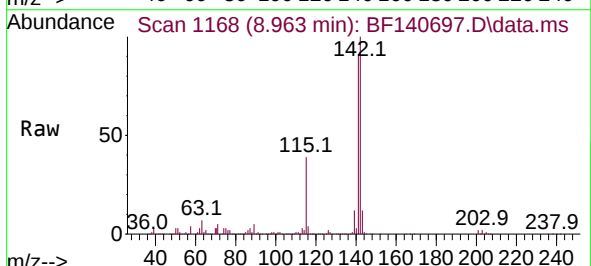
Acq: 02 Dec 2024 18:57

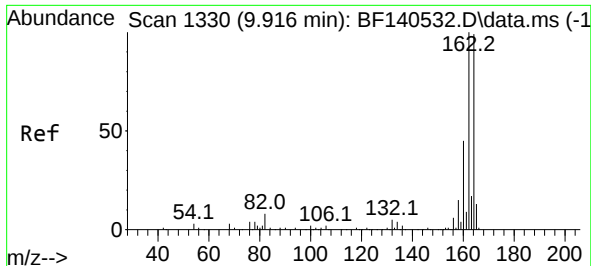
Tgt Ion:142 Resp: 461372

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9

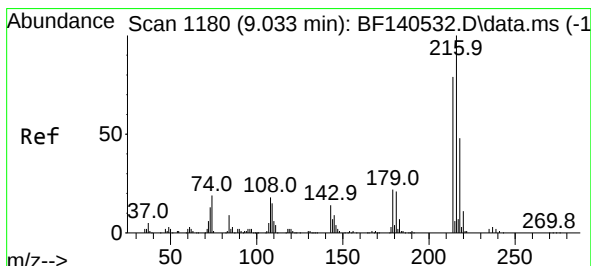
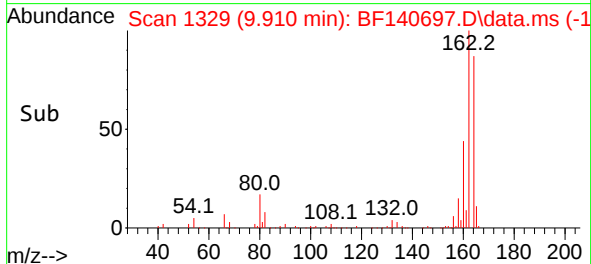
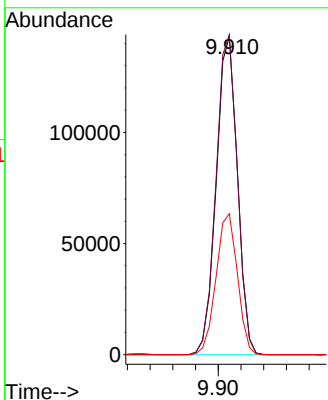
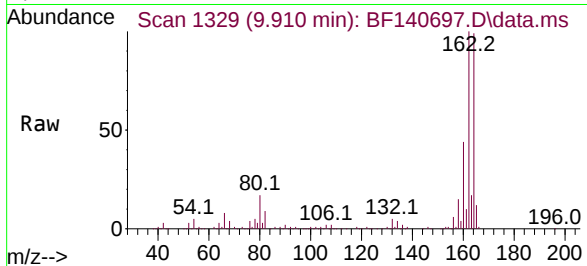




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

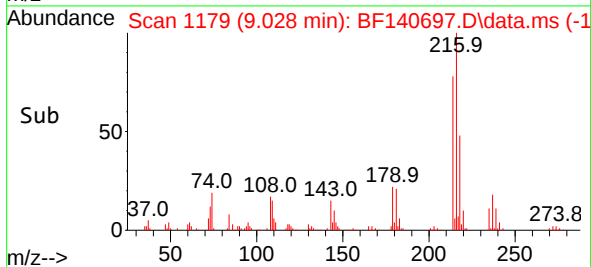
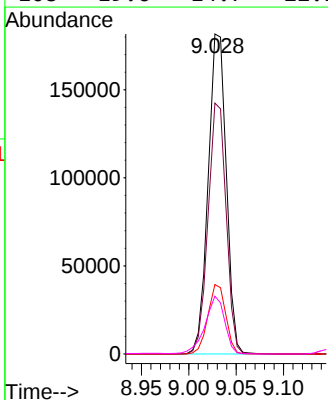
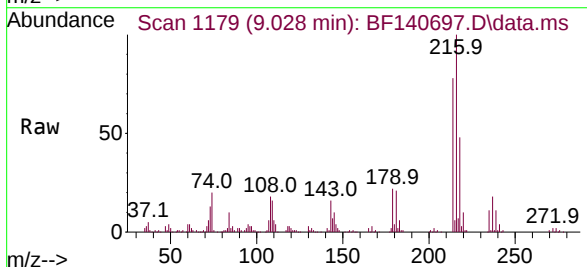
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

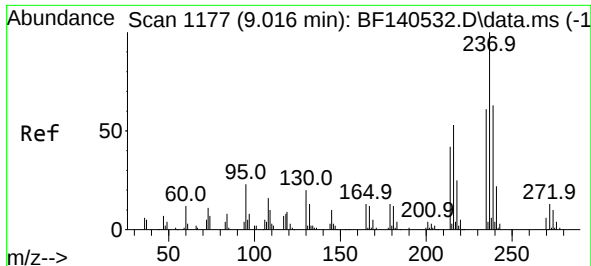
Tgt Ion:164 Resp: 185319
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.3 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.516 ng
RT: 9.028 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:216 Resp: 241508
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.4 17.5 26.3
108 19.6 14.7 22.1

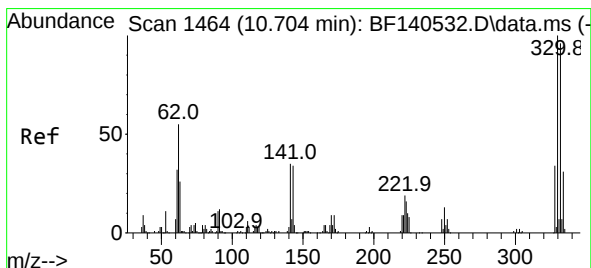
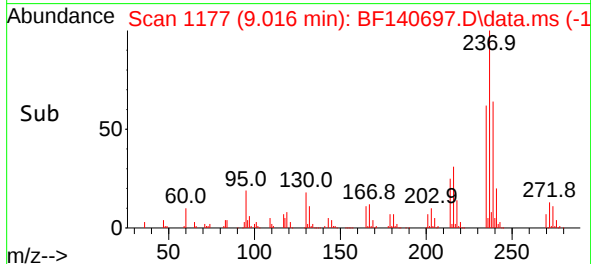
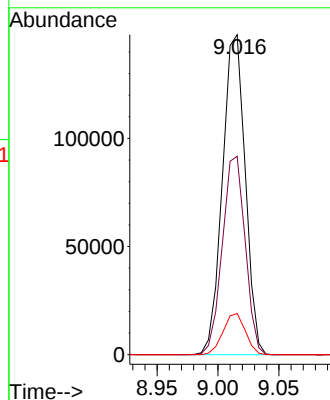
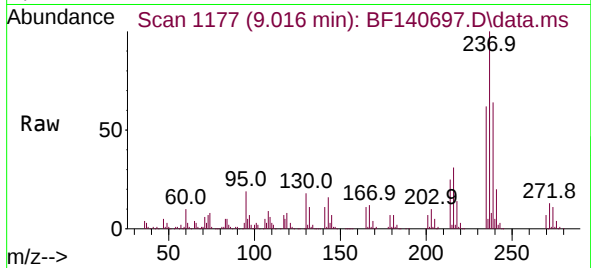




#41
Hexachlorocyclopentadiene
Concen: 151.133 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

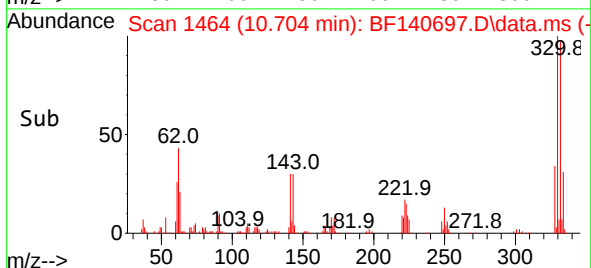
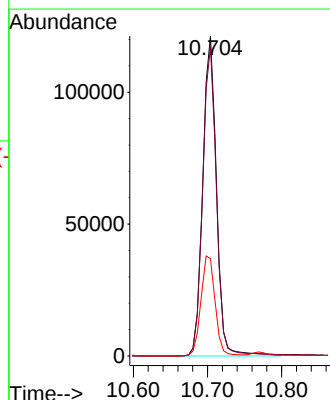
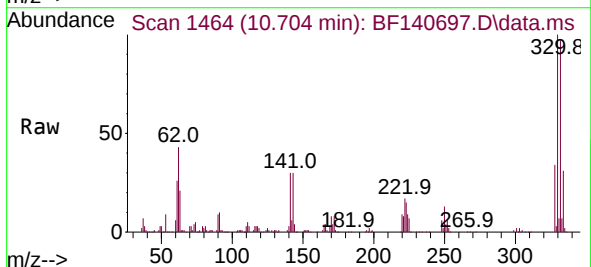
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

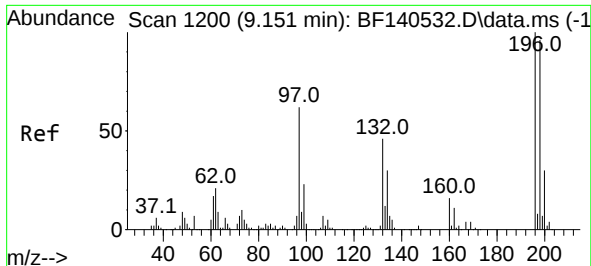
Tgt Ion:237 Resp: 193001
Ion Ratio Lower Upper
237 100
235 62.0 41.1 81.1
272 12.8 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 78.897 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:330 Resp: 156373
Ion Ratio Lower Upper
330 100
332 97.8 76.9 115.3
141 32.3 26.7 40.1

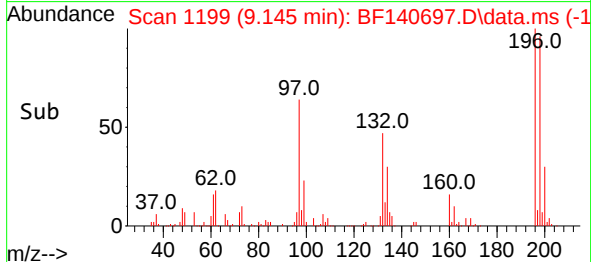
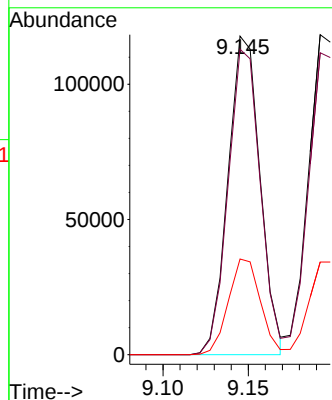
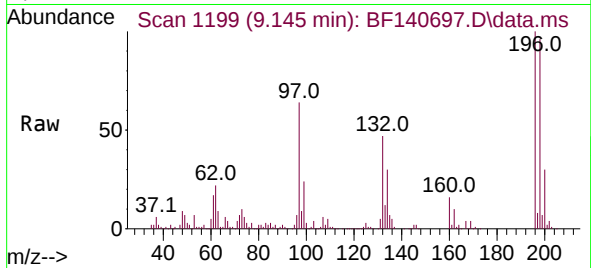




#43
2,4,6-Trichlorophenol
Concen: 45.271 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

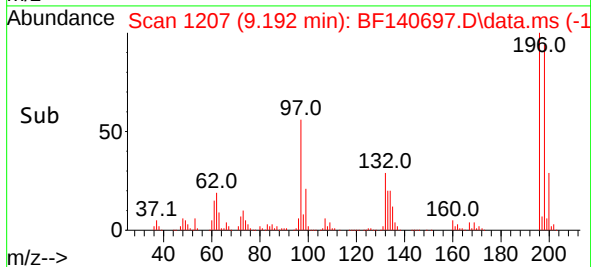
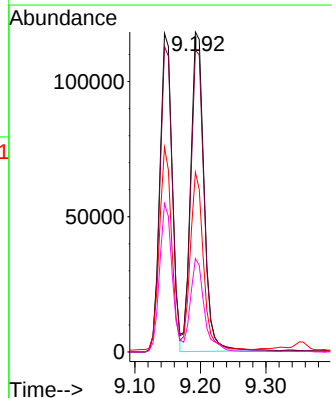
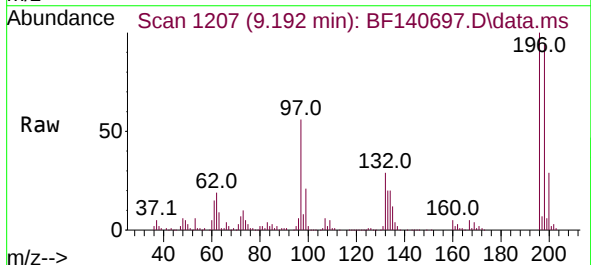
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

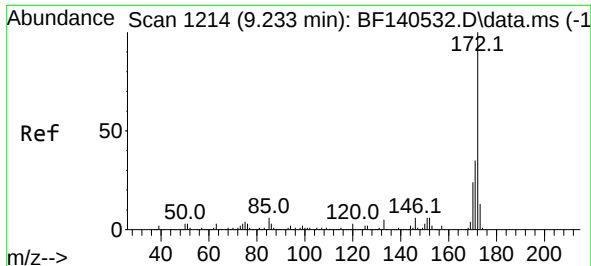
Tgt Ion:196 Resp: 154115
Ion Ratio Lower Upper
196 100
198 95.9 76.8 115.2
200 30.0 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 45.529 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:196 Resp: 168210
Ion Ratio Lower Upper
196 100
198 94.4 77.2 115.8
97 56.1 47.1 70.7
132 29.2 24.1 36.1

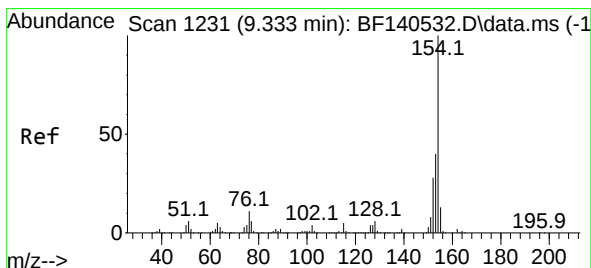
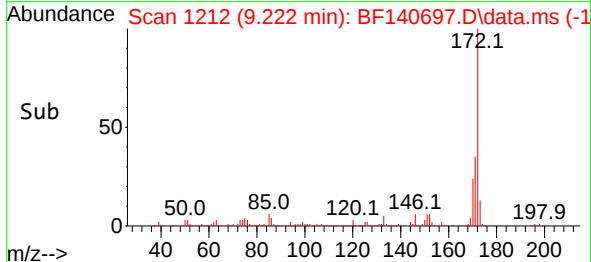
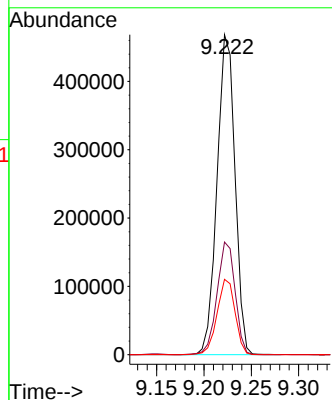
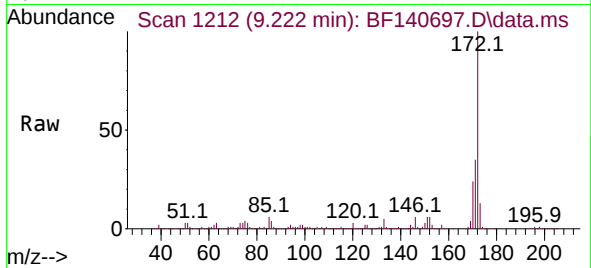




#45
2-Fluorobiphenyl
Concen: 49.676 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

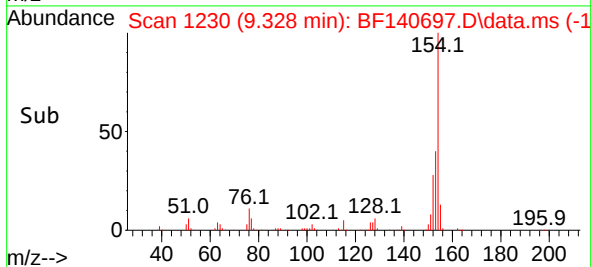
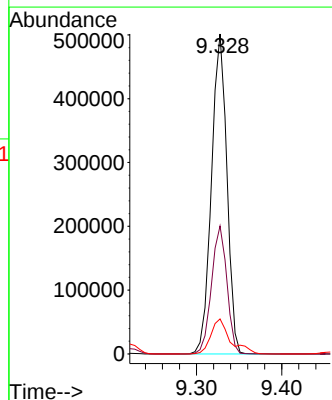
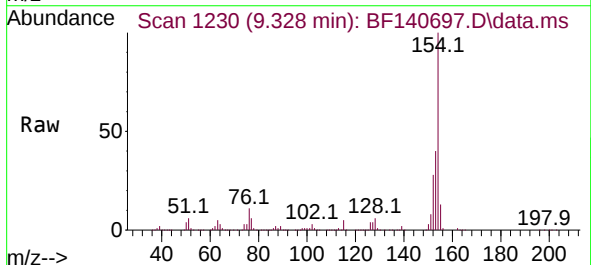
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

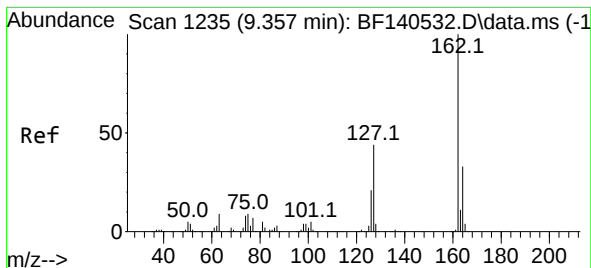
Tgt Ion:172 Resp: 617867
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.0 28.6



#46
1,1'-Biphenyl
Concen: 45.661 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:154 Resp: 631770
Ion Ratio Lower Upper
154 100
153 40.0 20.4 60.4
76 11.0 0.0 31.2





#47

2-Chloronaphthalene

Concen: 45.097 ng

RT: 9.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

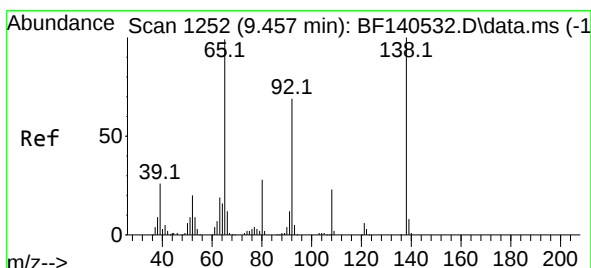
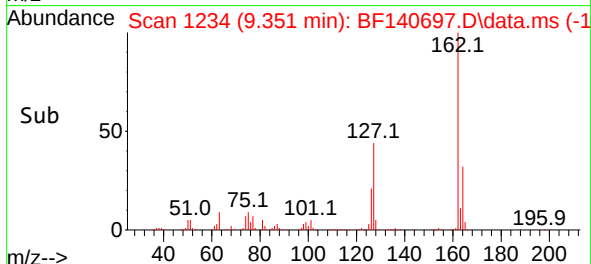
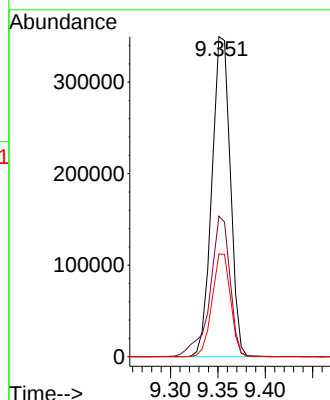
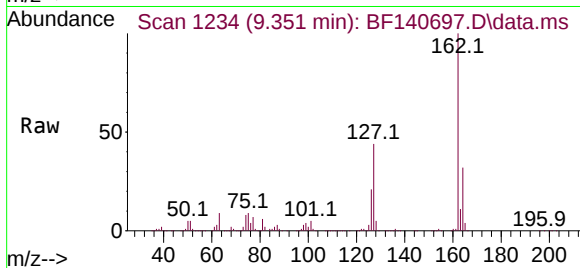
Tgt Ion:162 Resp: 472794

Ion Ratio Lower Upper

162 100

127 43.9 35.7 53.5

164 32.1 26.1 39.1



#48

2-Nitroaniline

Concen: 47.089 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

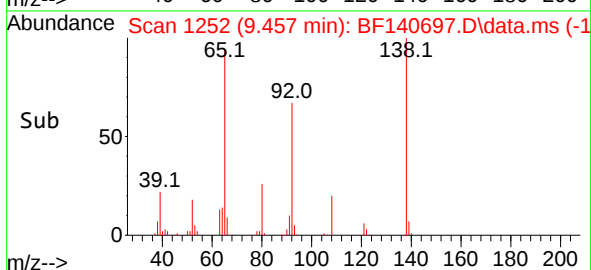
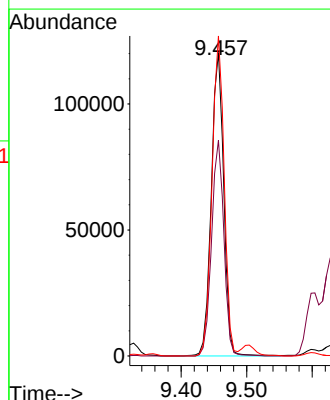
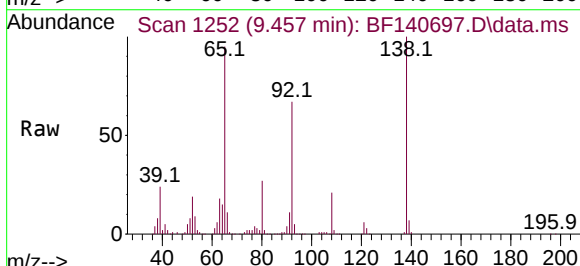
Tgt Ion: 65 Resp: 158460

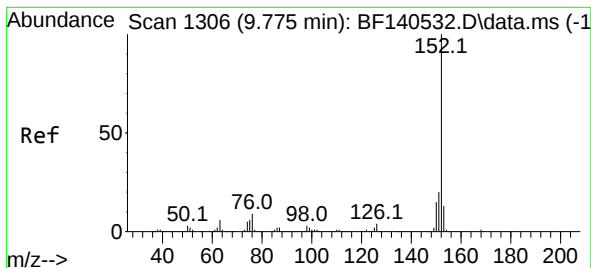
Ion Ratio Lower Upper

65 100

92 71.1 56.1 84.1

138 105.5 81.0 121.6





#49

Acenaphthylene

Concen: 49.165 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

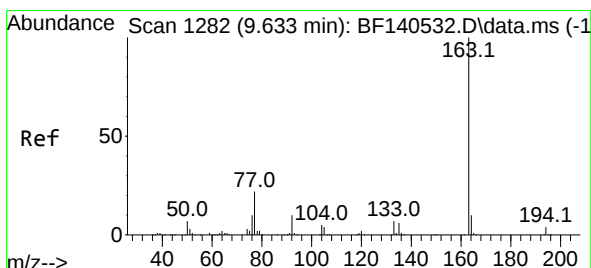
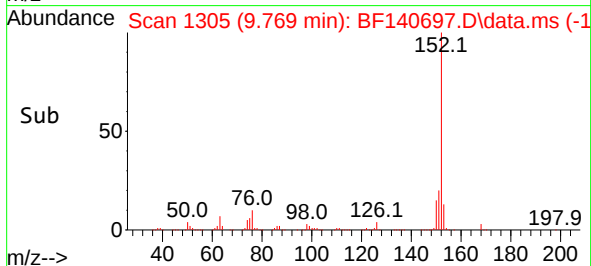
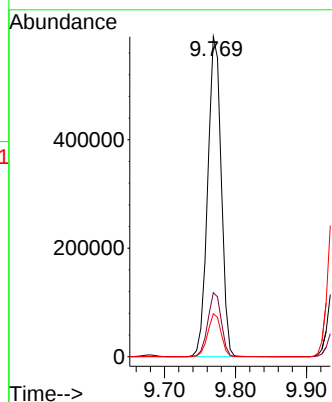
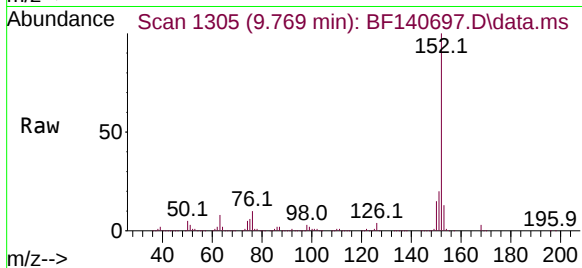
Tgt Ion:152 Resp: 778803

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.4 10.6 16.0



#50

Dimethylphthalate

Concen: 46.729 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

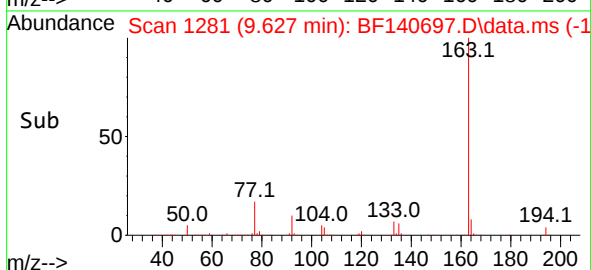
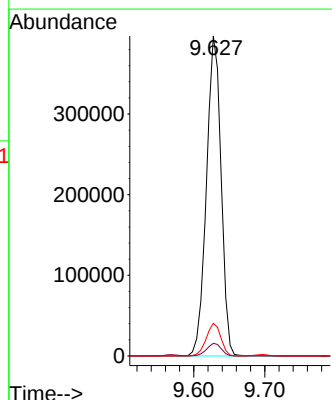
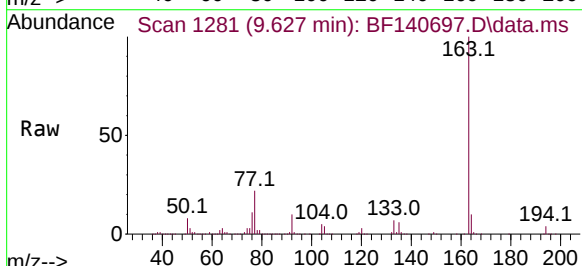
Tgt Ion:163 Resp: 570326

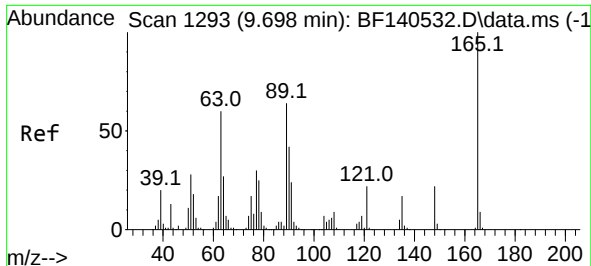
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 45.154 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

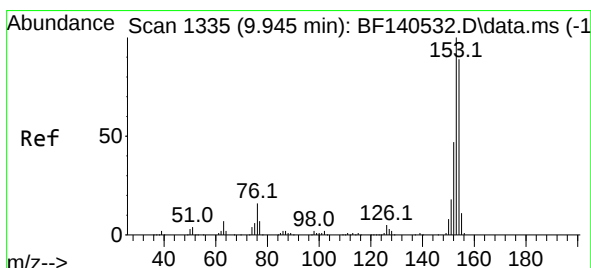
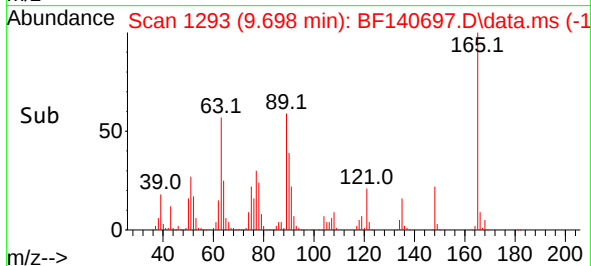
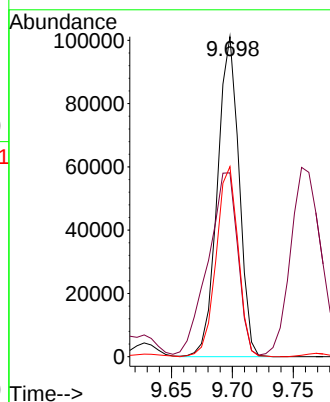
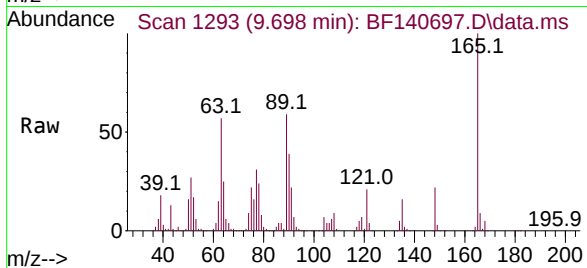
Tgt Ion:165 Resp: 124988

Ion Ratio Lower Upper

165 100

63 57.5 49.9 74.9

89 59.4 50.9 76.3



#52

Acenaphthene

Concen: 46.553 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

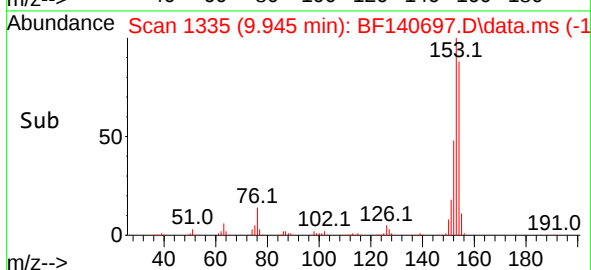
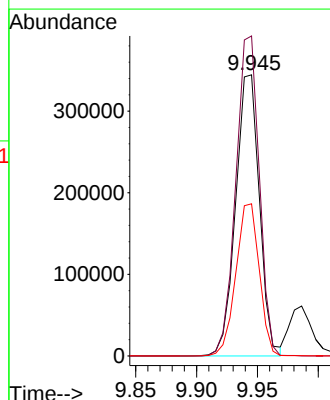
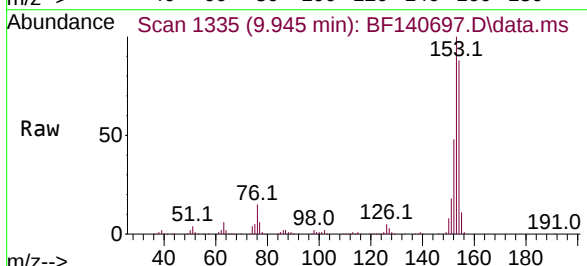
Tgt Ion:154 Resp: 468552

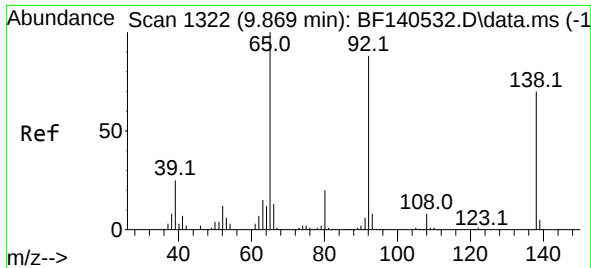
Ion Ratio Lower Upper

154 100

153 113.8 89.7 134.5

152 54.1 42.5 63.7

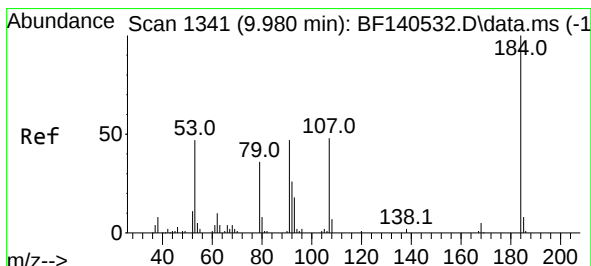
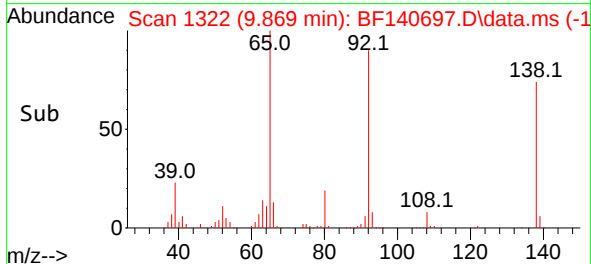
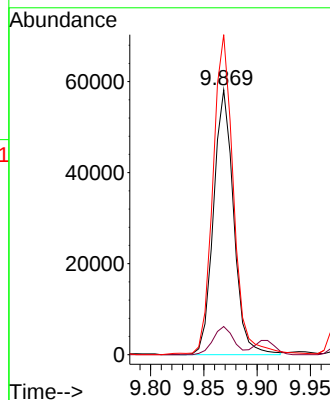
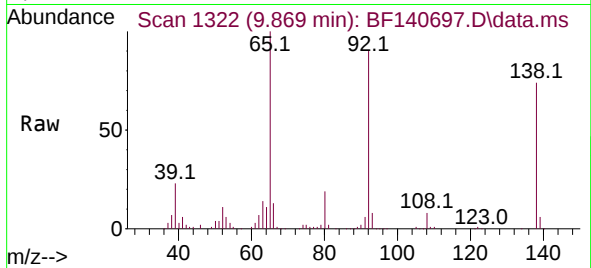




#53
3-Nitroaniline
Concen: 28.217 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

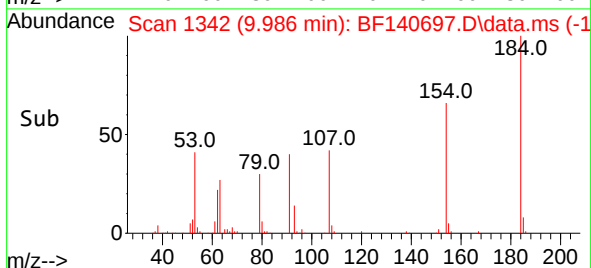
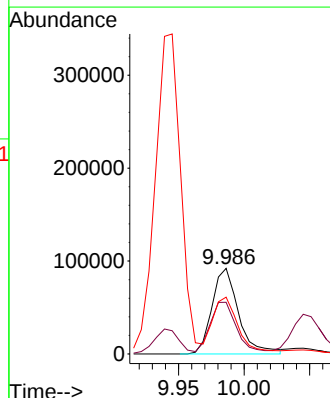
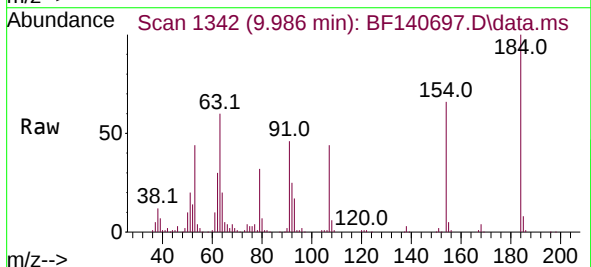
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

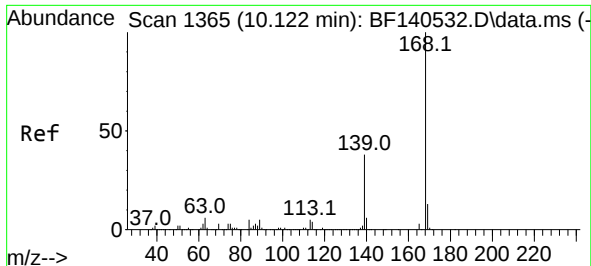
Tgt Ion:138 Resp: 76391
Ion Ratio Lower Upper
138 100
108 10.7 9.2 13.8
92 120.8 100.6 150.8



#54
2,4-Dinitrophenol
Concen: 89.408 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:184 Resp: 129635
Ion Ratio Lower Upper
184 100
63 60.4 54.1 81.1
154 66.4 57.4 86.0

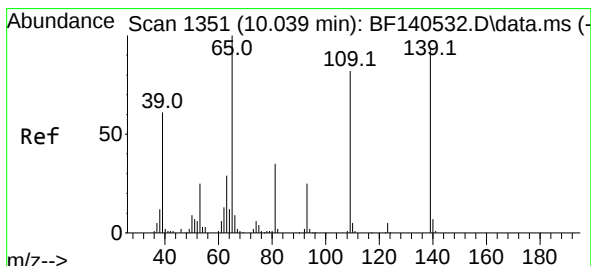
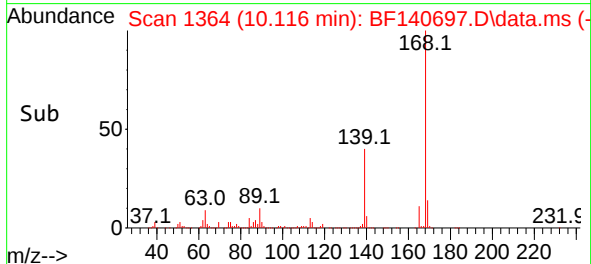
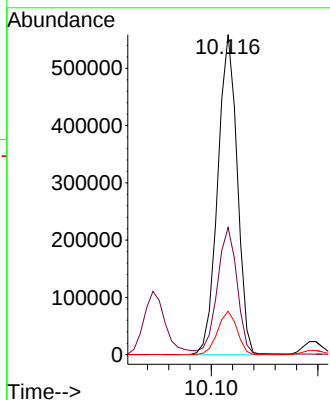
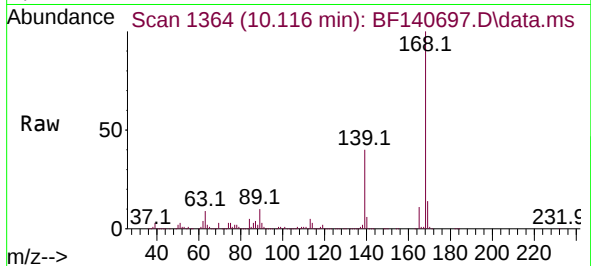




#55
Dibenzenofuran
Concen: 46.145 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

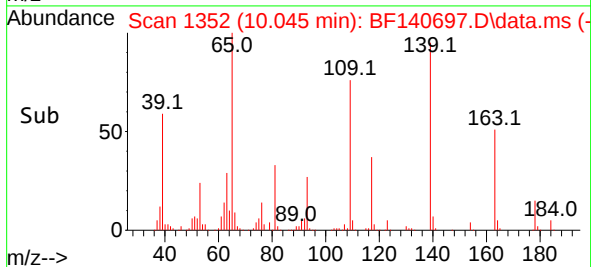
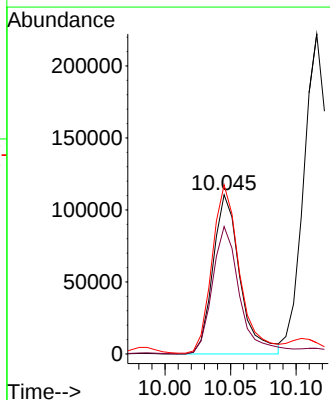
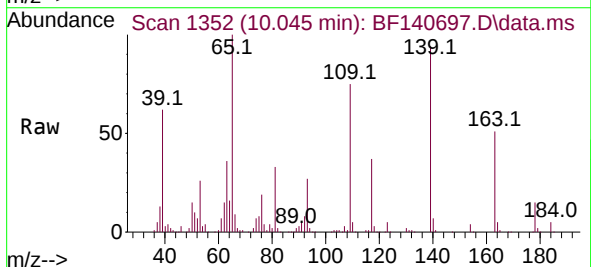
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

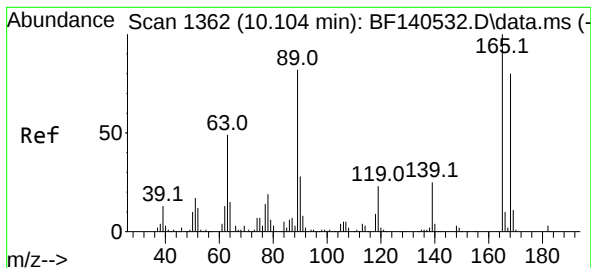
Tgt Ion:168 Resp: 708430
Ion Ratio Lower Upper
168 100
139 39.8 31.3 46.9
169 13.5 10.5 15.7



#56
4-Nitrophenol
Concen: 86.045 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:139 Resp: 158869
Ion Ratio Lower Upper
139 100
109 80.0 68.4 108.4
65 106.2 88.6 128.6

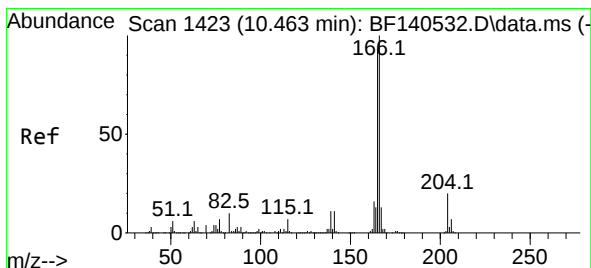
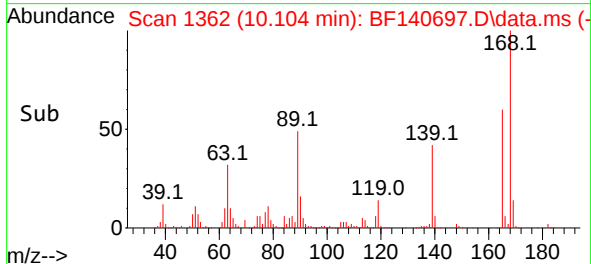
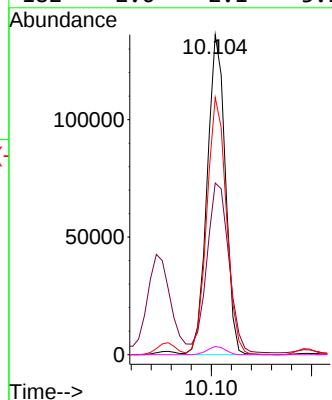
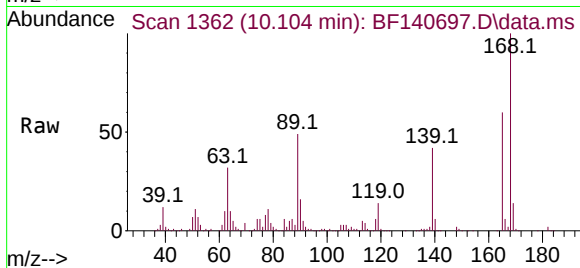




#57
2,4-Dinitrotoluene
Concen: 46.771 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

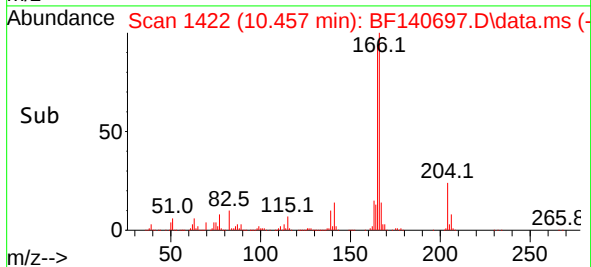
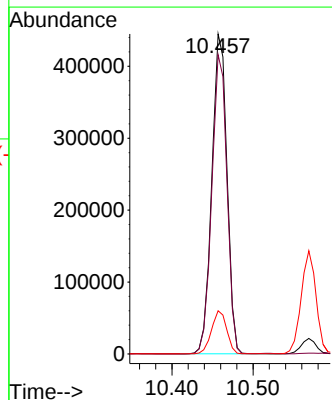
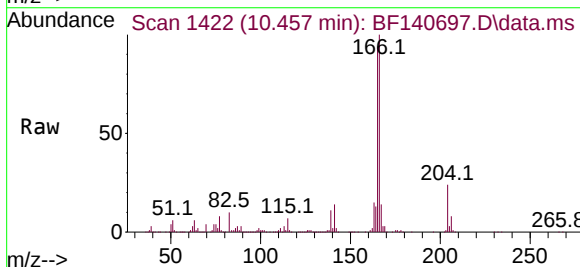
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:165 Resp: 172063
Ion Ratio Lower Upper
165 100
63 53.7 41.7 62.5
89 80.4 65.8 98.8
182 2.6 2.1 3.1



#58
Fluorene
Concen: 46.733 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:166 Resp: 575880
Ion Ratio Lower Upper
166 100
165 93.5 74.6 111.8
167 13.5 10.6 16.0

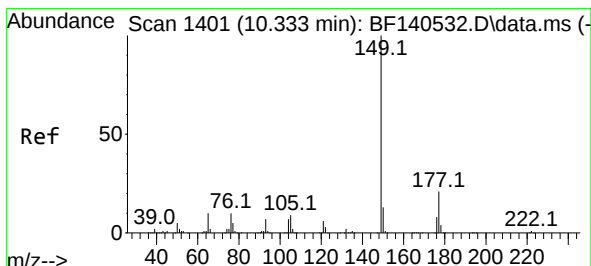
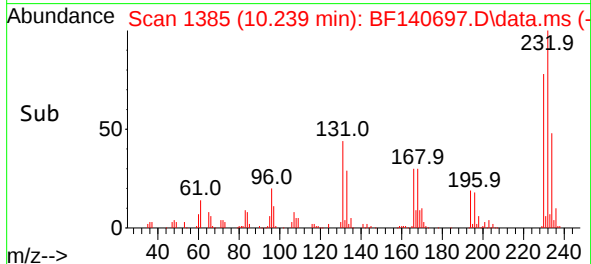
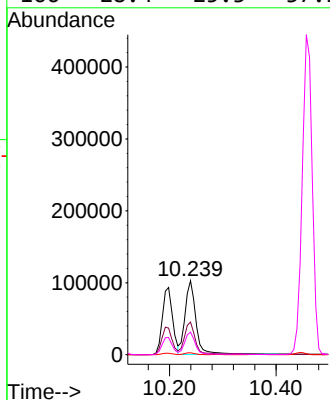
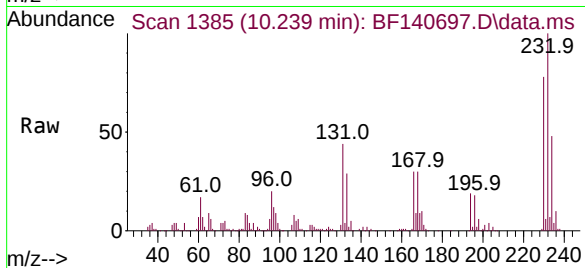




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.290 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

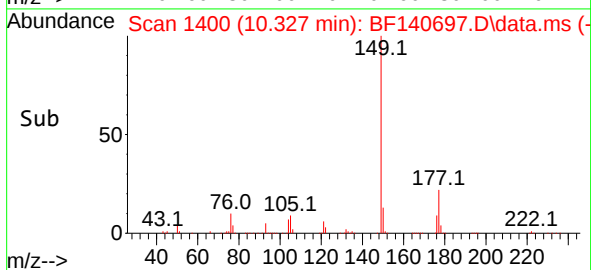
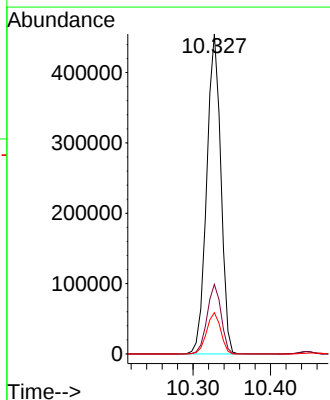
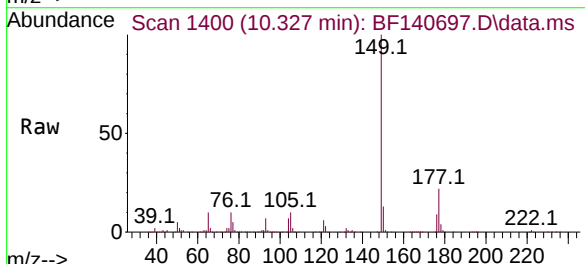
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

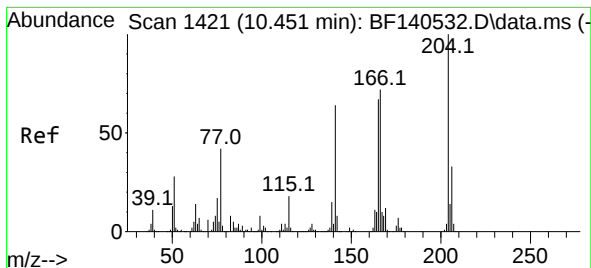
Tgt Ion:232 Resp: 145636
Ion Ratio Lower Upper
232 100
131 43.1 39.6 59.4
130 2.4 1.9 2.9
166 28.4 25.3 37.9



#60
Diethylphthalate
Concen: 46.382 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:149 Resp: 575157
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.9 10.1 15.1

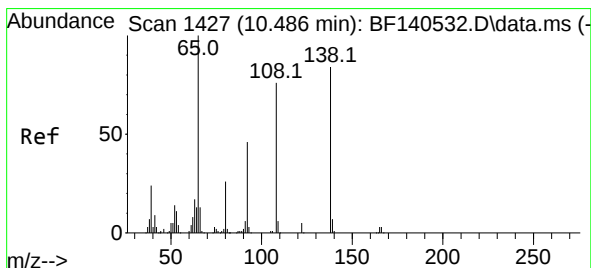
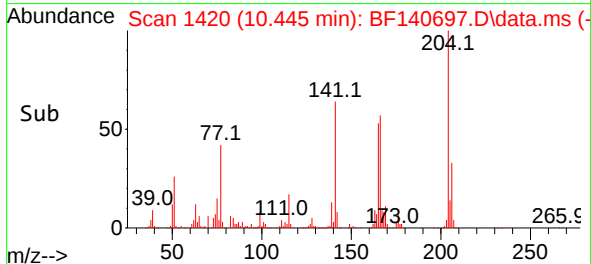
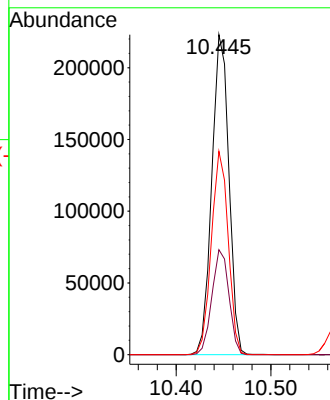
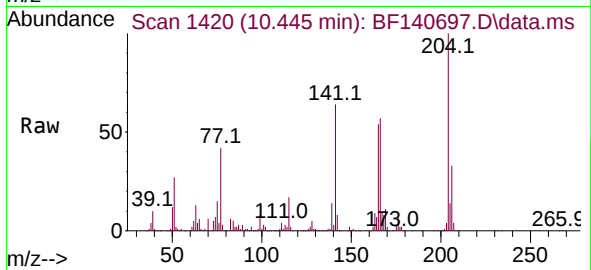




#61
4-Chlorophenyl-phenylether
Concen: 46.064 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

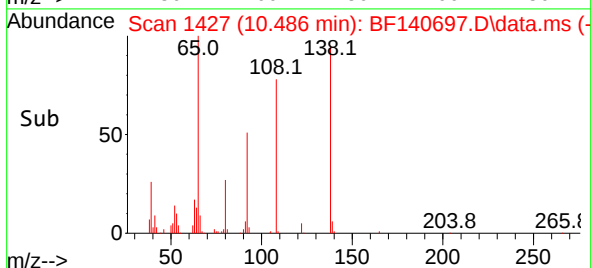
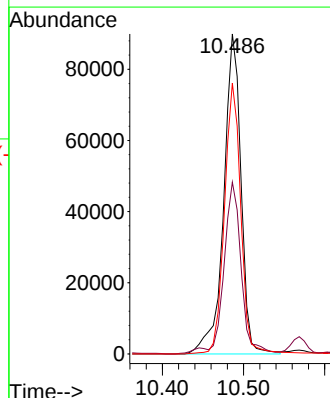
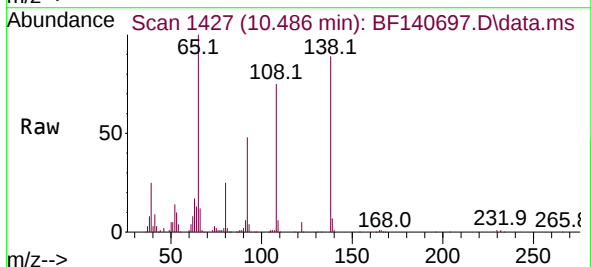
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

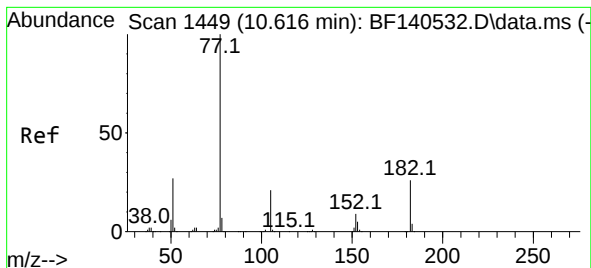
Tgt Ion:204 Resp: 278573
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 63.5 51.1 76.7



#62
4-Nitroaniline
Concen: 46.954 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:138 Resp: 133321
Ion Ratio Lower Upper
138 100
92 53.7 34.5 74.5
108 84.6 70.6 110.6





#63

Azobenzene

Concen: 50.701 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion: 77 Resp: 595388

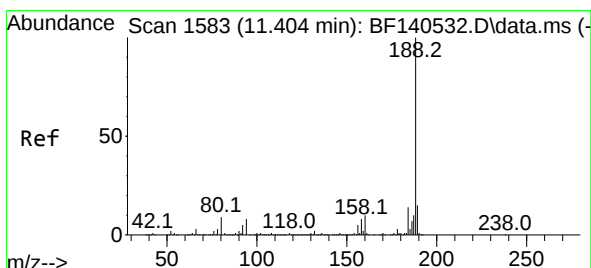
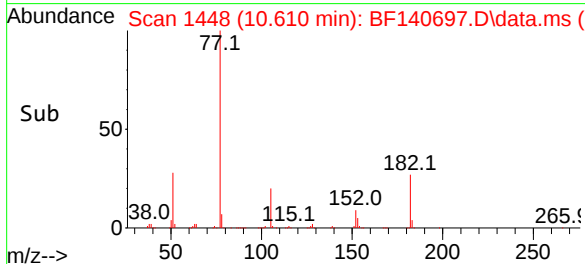
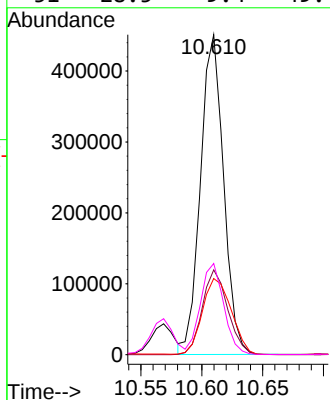
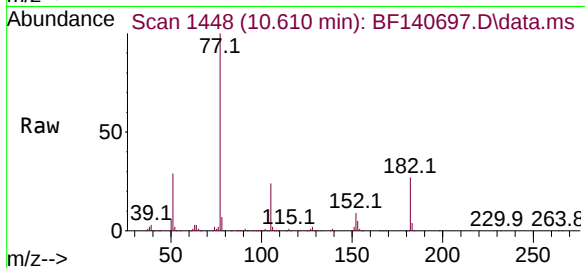
Ion Ratio Lower Upper

77 100

182 26.5 5.3 45.3

105 23.8 0.3 40.3

51 28.5 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

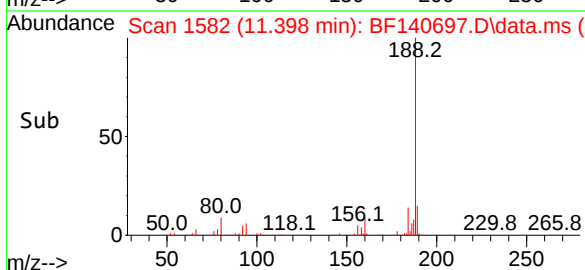
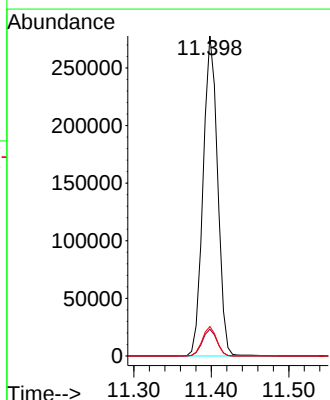
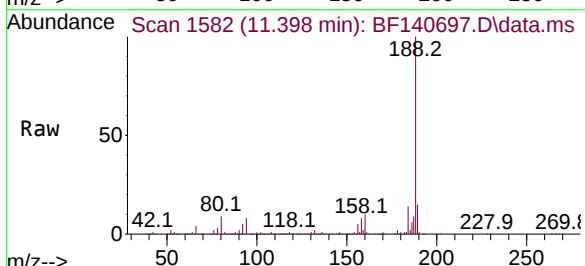
Tgt Ion:188 Resp: 361245

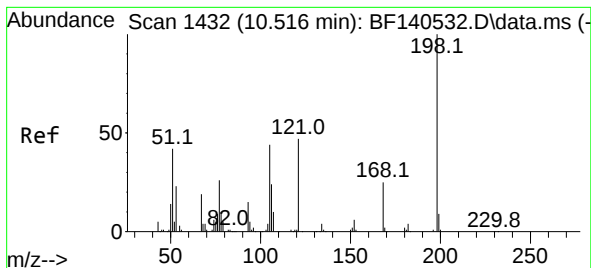
Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.2 6.9 10.3

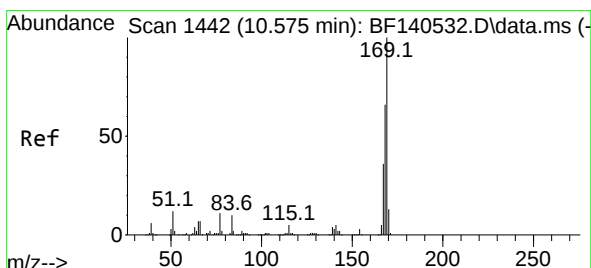
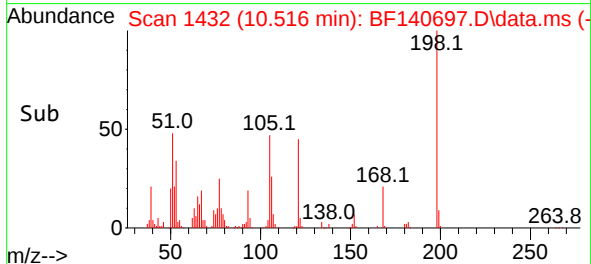
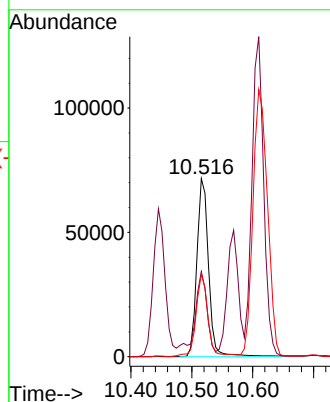
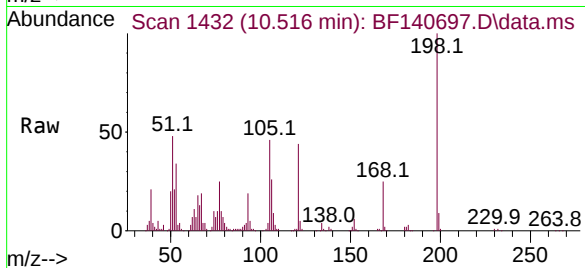




#65
4,6-Dinitro-2-methylphenol
Concen: 51.716 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

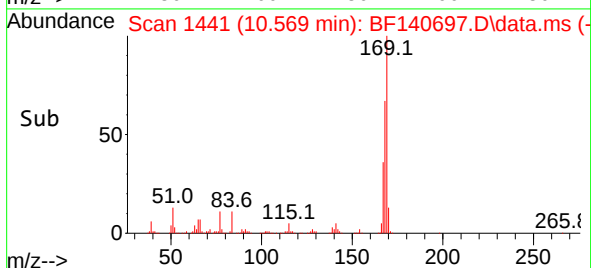
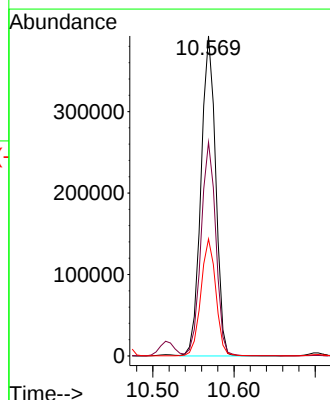
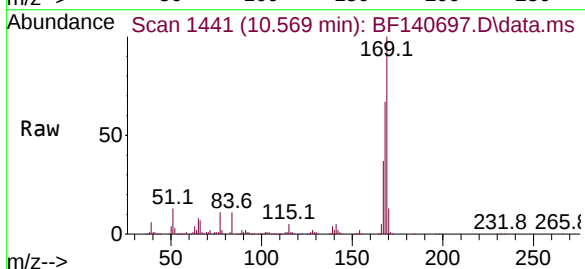
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

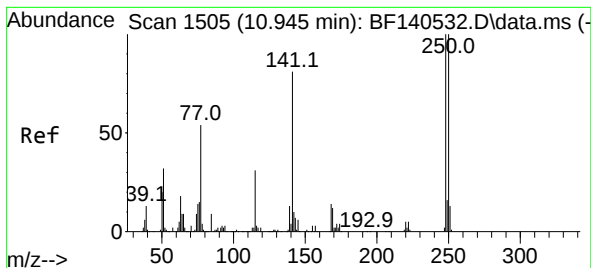
Tgt Ion:198 Resp: 95467
Ion Ratio Lower Upper
198 100
51 47.8 29.4 69.4
105 46.4 25.4 65.4



#66
n-Nitrosodiphenylamine
Concen: 46.318 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:169 Resp: 494813
Ion Ratio Lower Upper
169 100
168 66.8 53.2 79.8
167 36.5 29.0 43.6

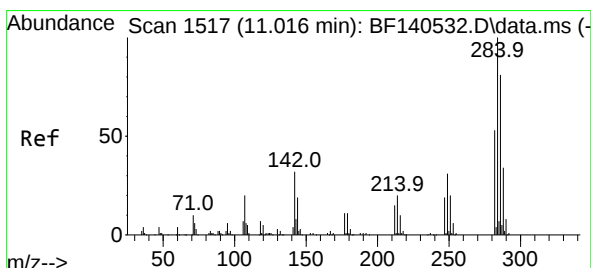
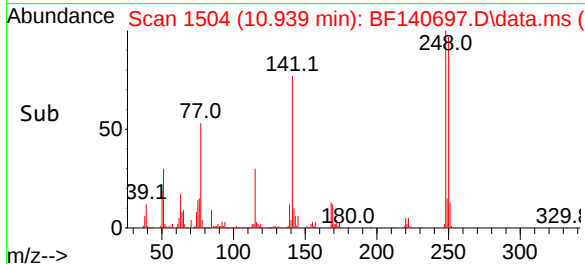
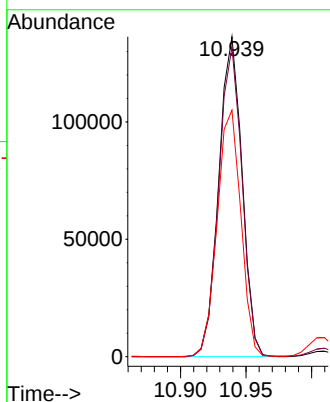
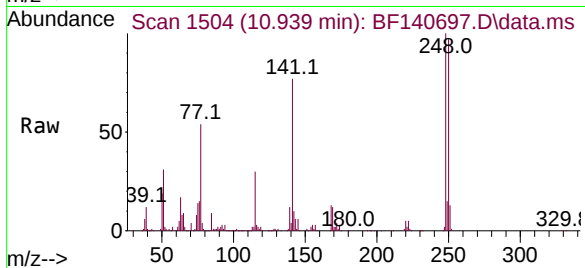




#67
4-Bromophenyl-phenylether
Concen: 45.281 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

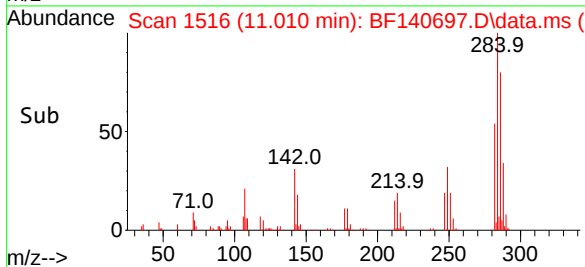
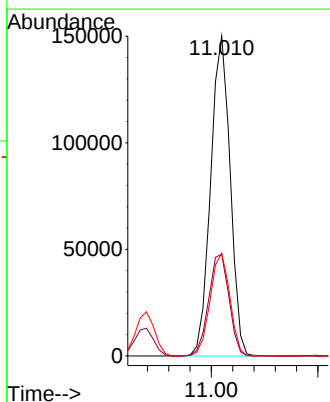
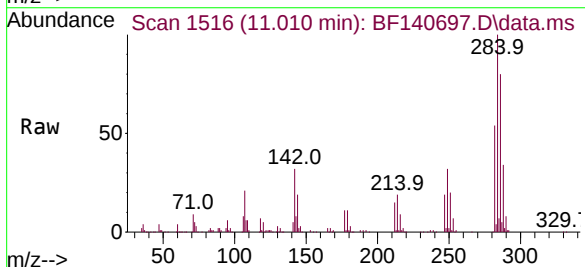
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:248 Resp: 168456
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 77.0 64.7 97.1



#68
Hexachlorobenzene
Concen: 44.164 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:284 Resp: 190245
Ion Ratio Lower Upper
284 100
142 31.8 25.3 37.9
249 32.2 24.8 37.2





#69

Atrazine

Concen: 55.262 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

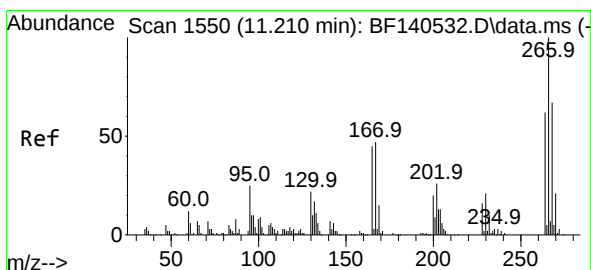
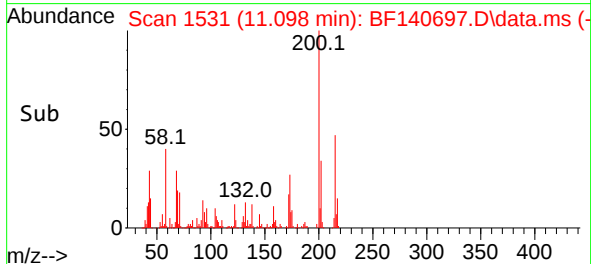
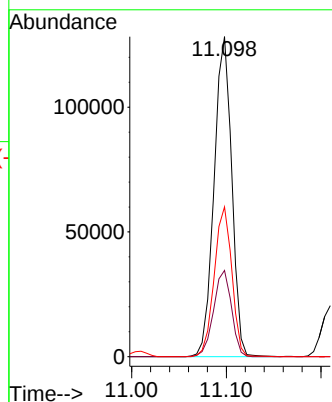
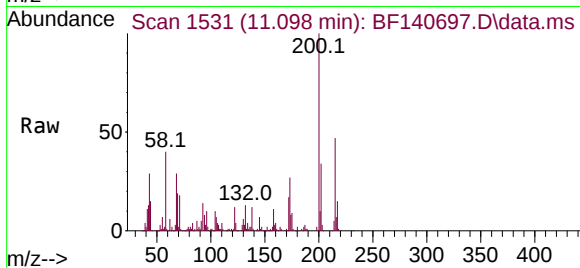
Tgt Ion:200 Resp: 166080

Ion Ratio Lower Upper

200 100

173 26.9 7.0 47.0

215 46.8 26.7 66.7



#70

Pentachlorophenol

Concen: 85.530 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

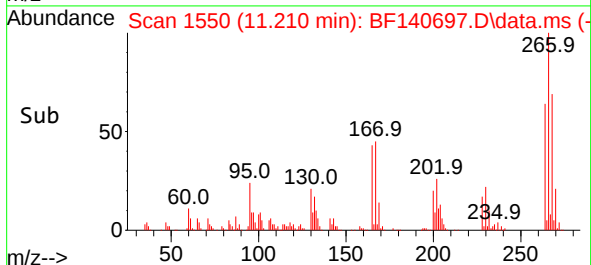
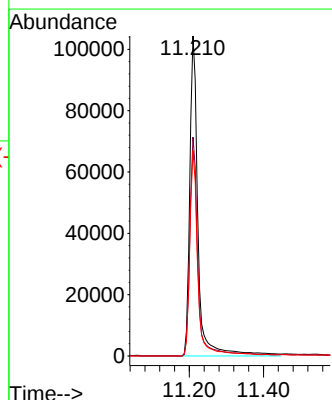
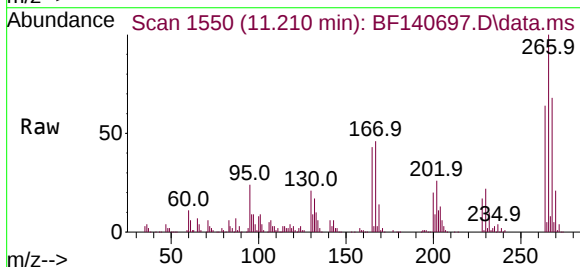
Tgt Ion:266 Resp: 162158

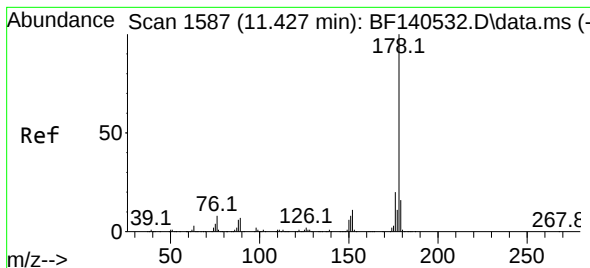
Ion Ratio Lower Upper

266 100

268 68.4 53.7 80.5

264 64.2 49.8 74.8





#71

Phenanthrene

Concen: 47.378 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

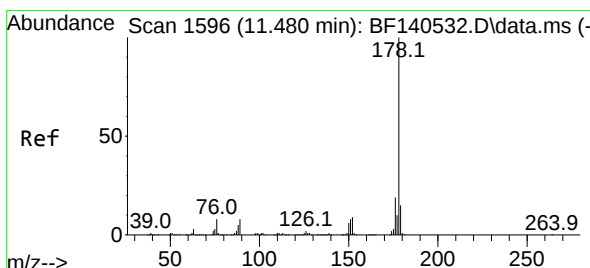
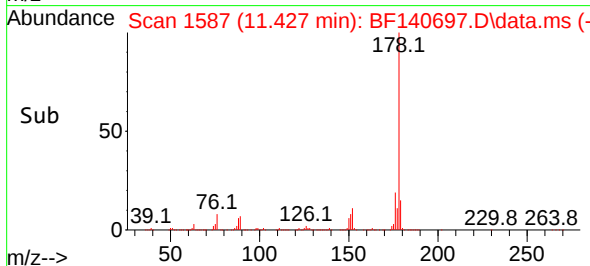
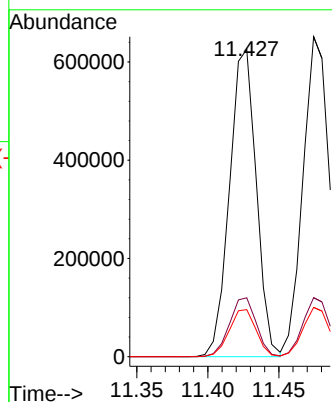
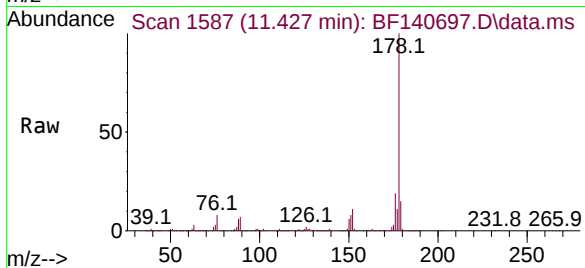
Tgt Ion:178 Resp: 822711

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

179 15.3 12.4 18.6



#72

Anthracene

Concen: 49.617 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

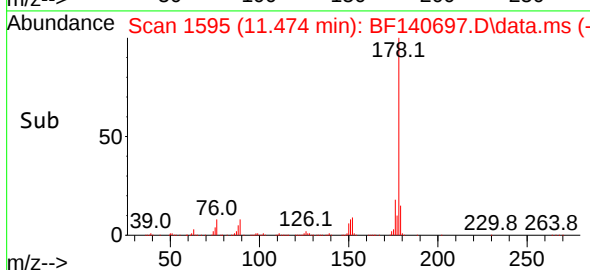
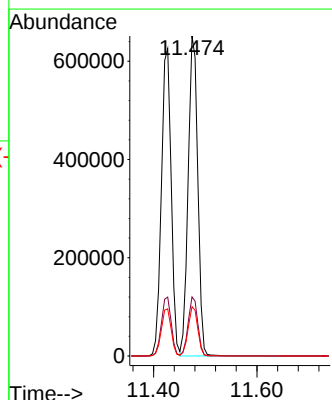
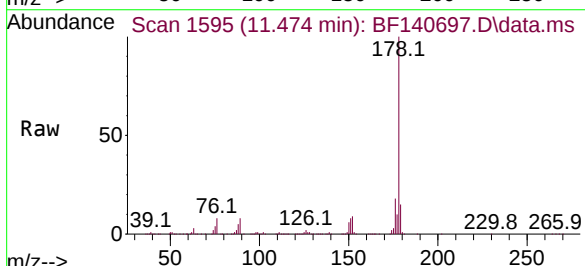
Tgt Ion:178 Resp: 842789

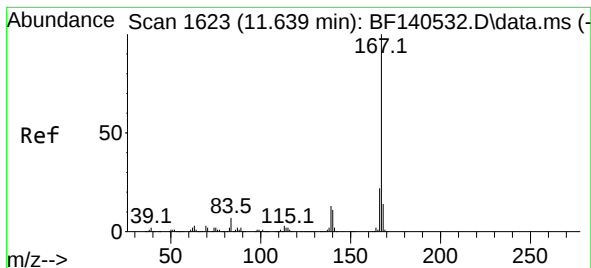
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.4 12.2 18.4





#73

Carbazole

Concen: 47.760 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

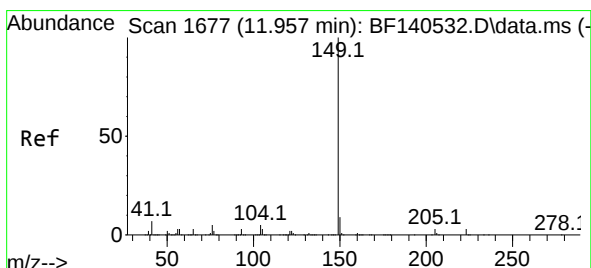
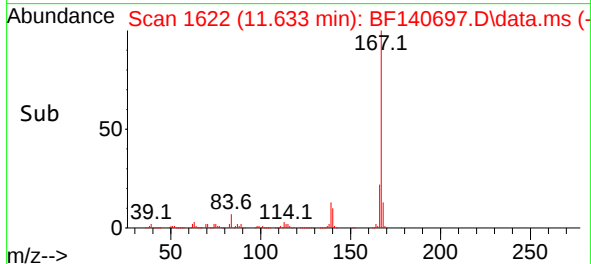
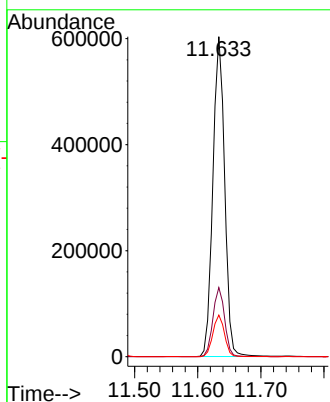
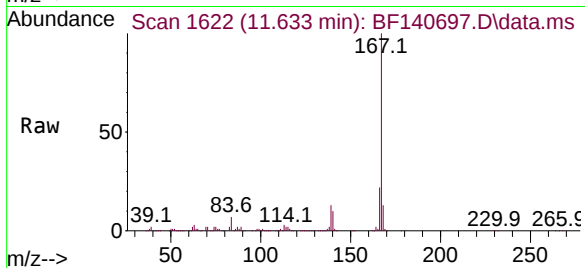
Tgt Ion:167 Resp: 780430

Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 13.0 10.6 15.8



#74

Di-n-butylphthalate

Concen: 48.014 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

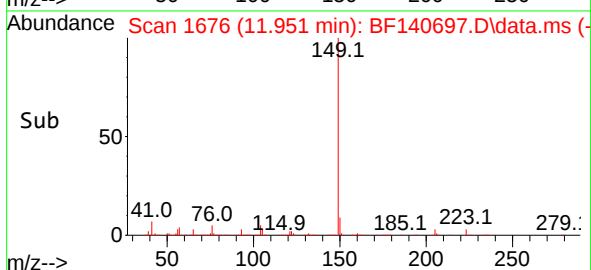
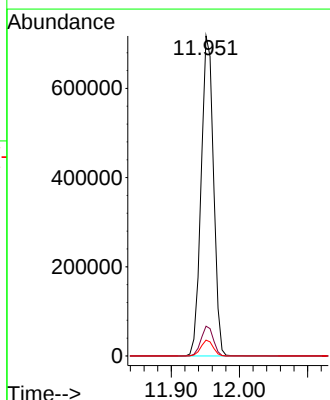
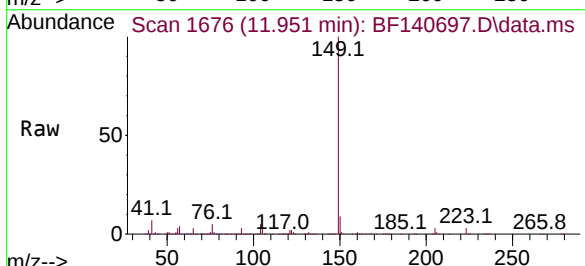
Tgt Ion:149 Resp: 905796

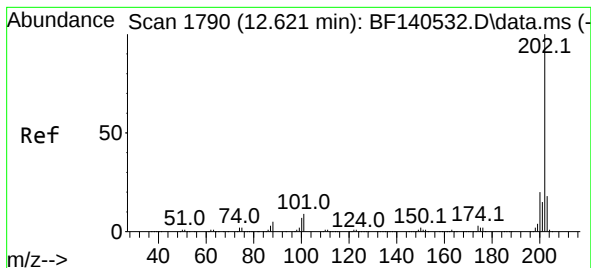
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 5.0 4.1 6.1





#75

Fluoranthene

Concen: 48.052 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

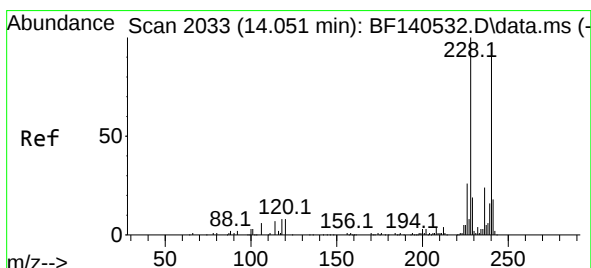
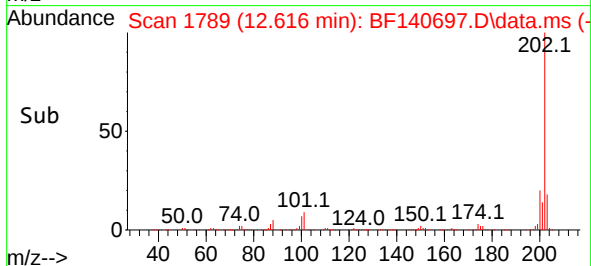
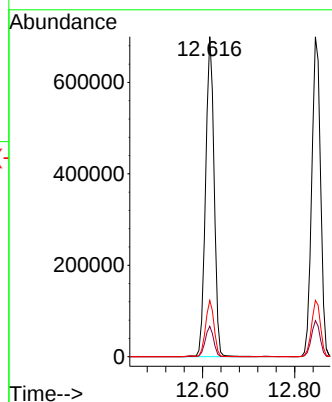
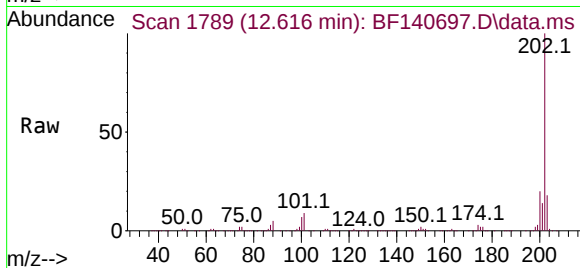
Tgt Ion:202 Resp: 905950

Ion Ratio Lower Upper

202 100

101 9.5 0.0 28.9

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

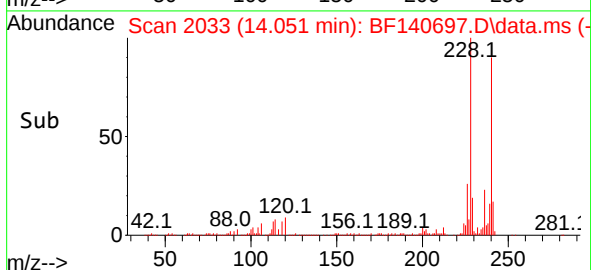
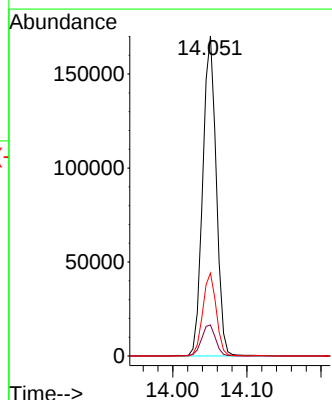
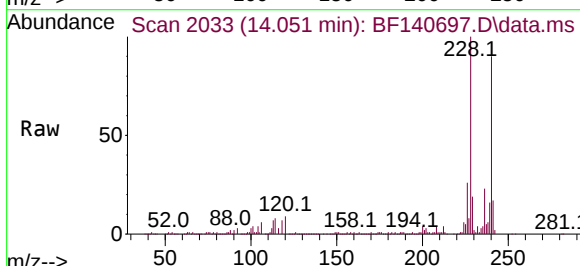
Tgt Ion:240 Resp: 215378

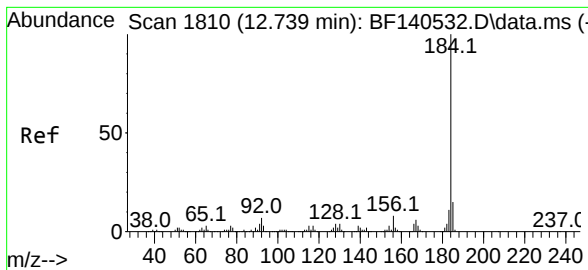
Ion Ratio Lower Upper

240 100

120 9.7 7.3 10.9

236 25.9 20.6 31.0

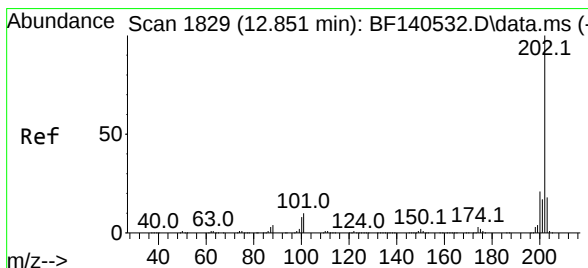
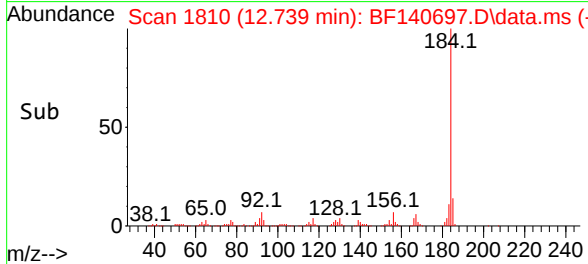
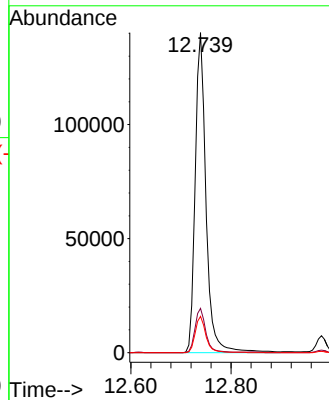
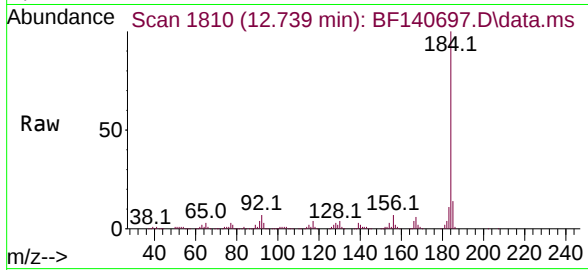




#77
Benzidine
Concen: 33.553 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

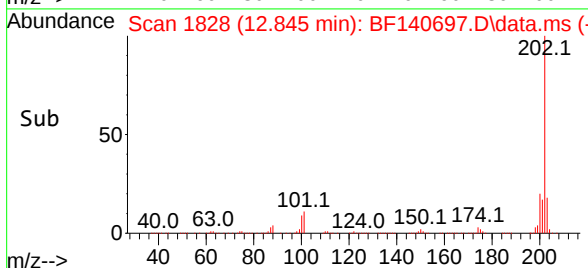
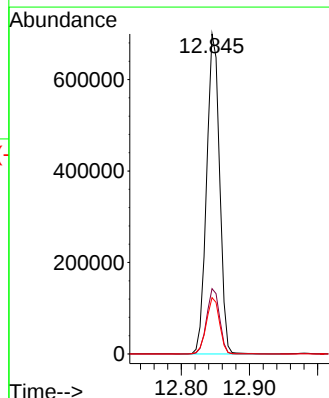
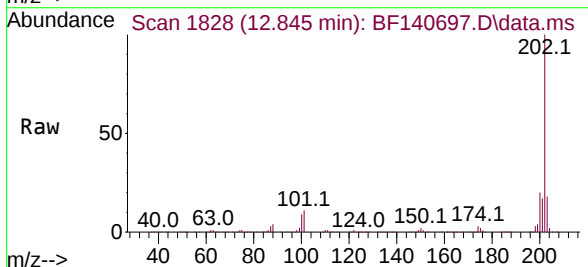
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

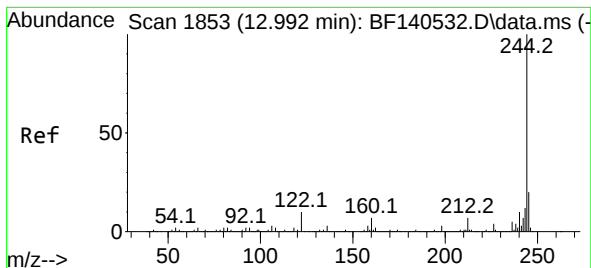
Tgt Ion:184 Resp: 210111
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 11.4 8.8 13.2



#78
Pyrene
Concen: 46.400 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:202 Resp: 924020
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 47.099 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140697.D

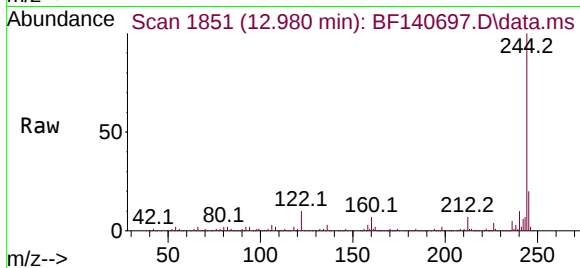
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS



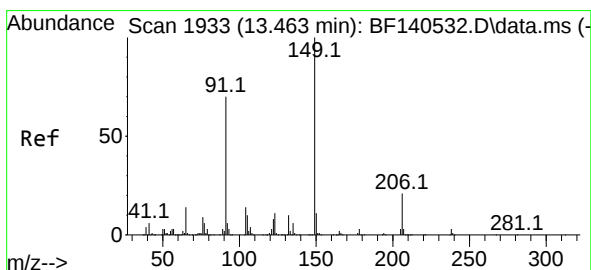
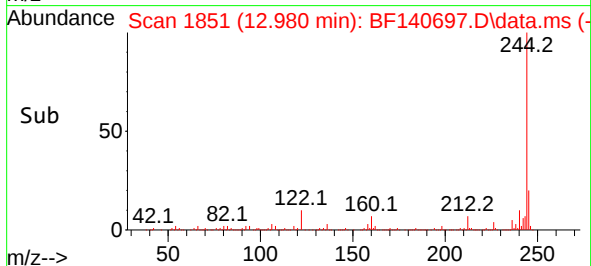
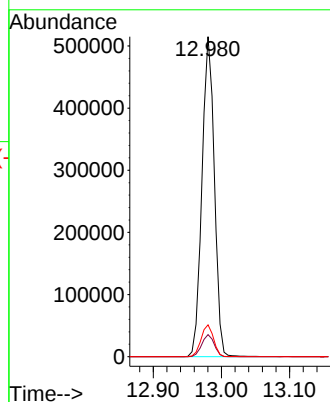
Tgt Ion:244 Resp: 651465

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.0 8.0 12.0



#80

Butylbenzylphthalate

Concen: 48.856 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

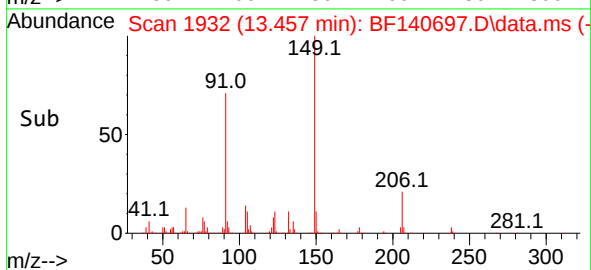
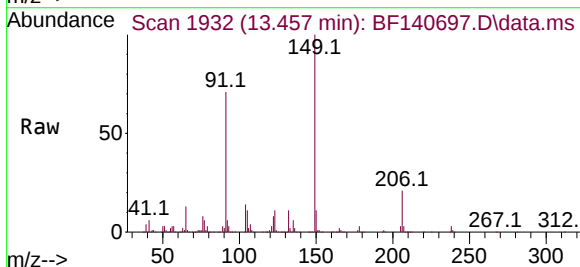
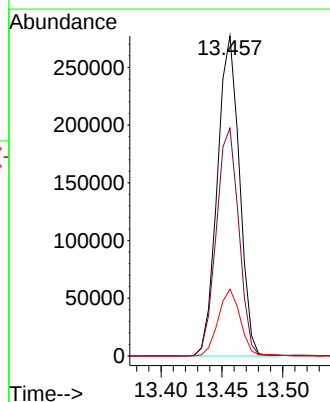
Tgt Ion:149 Resp: 350493

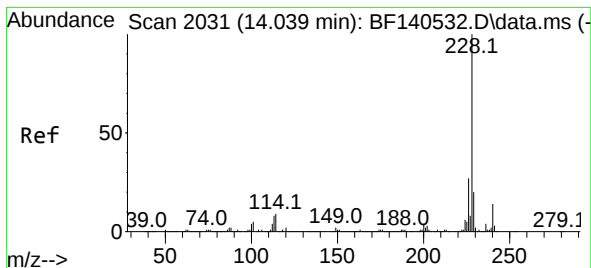
Ion Ratio Lower Upper

149 100

91 71.2 56.2 84.2

206 20.9 16.4 24.6





#81

Benzo(a)anthracene

Concen: 48.429 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

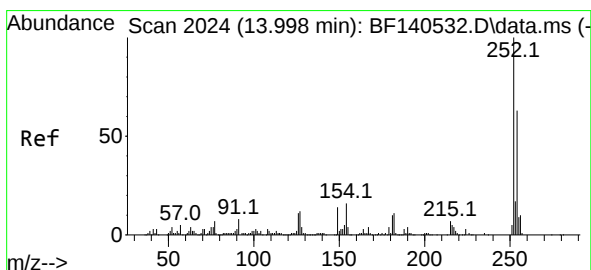
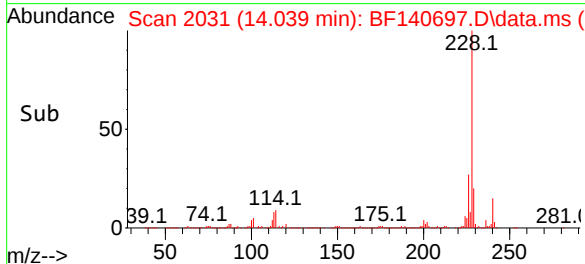
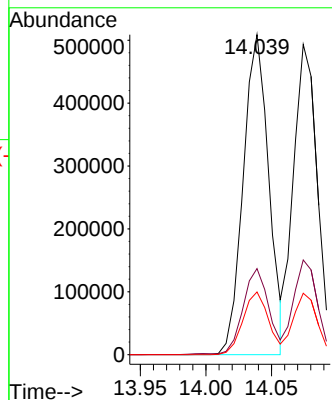
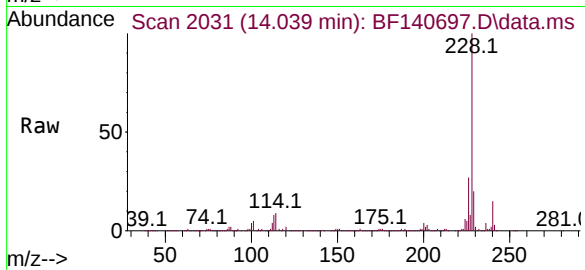
Tgt Ion:228 Resp: 690465

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 19.6 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 26.542 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

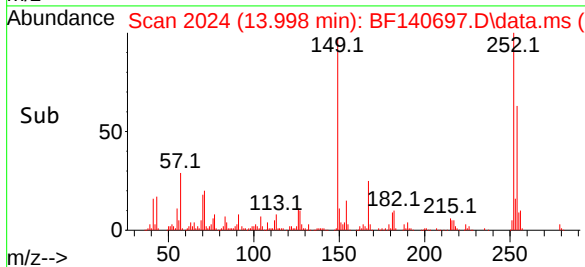
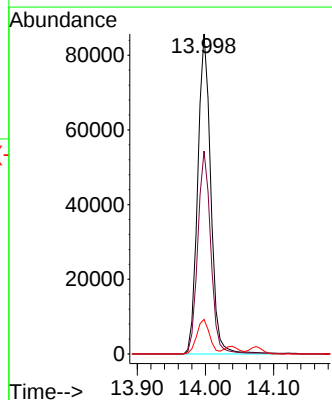
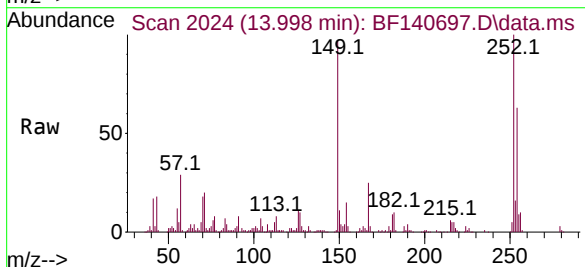
Tgt Ion:252 Resp: 113614

Ion Ratio Lower Upper

252 100

254 63.4 50.8 76.2

126 10.8 8.6 13.0





#83

Chrysene

Concen: 47.836 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

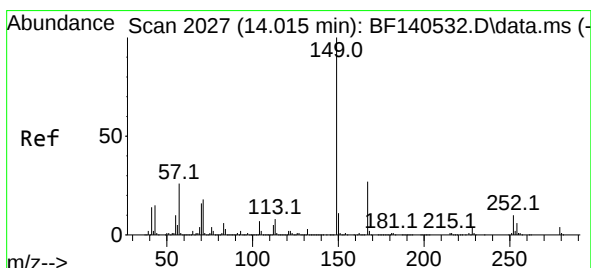
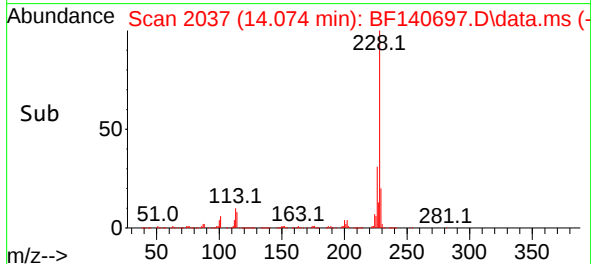
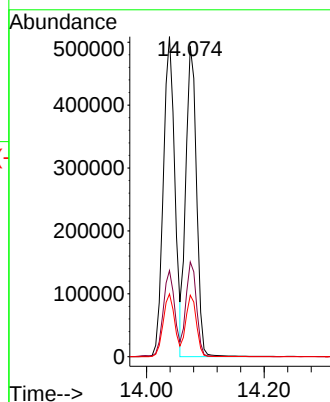
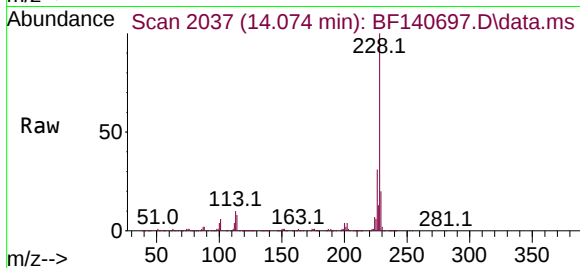
Tgt Ion:228 Resp: 623612

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.315 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

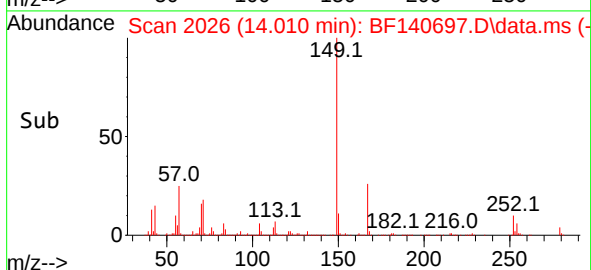
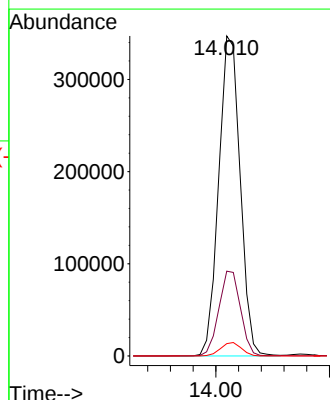
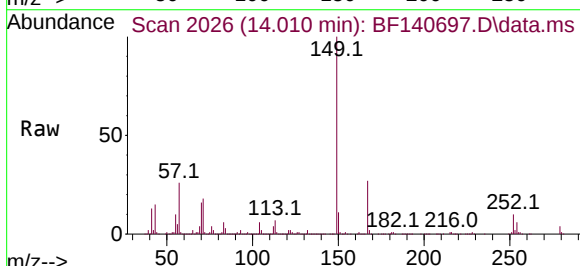
Tgt Ion:149 Resp: 455784

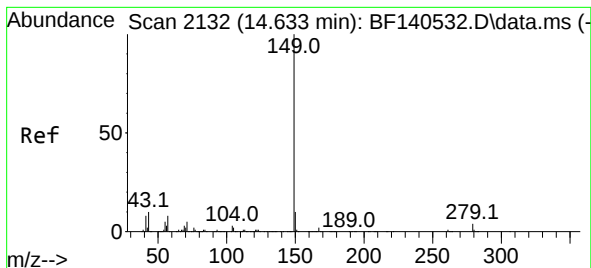
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 51.855 ng

RT: 14.633 min Scan# 2132

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

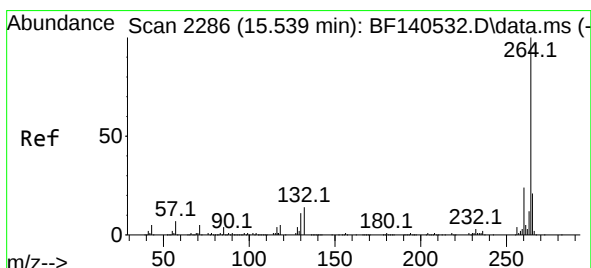
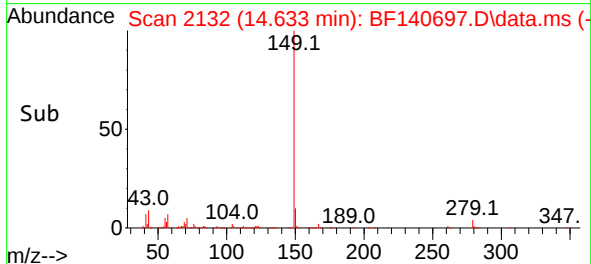
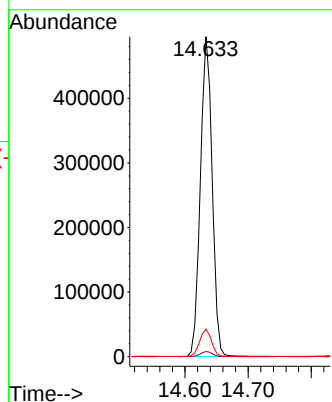
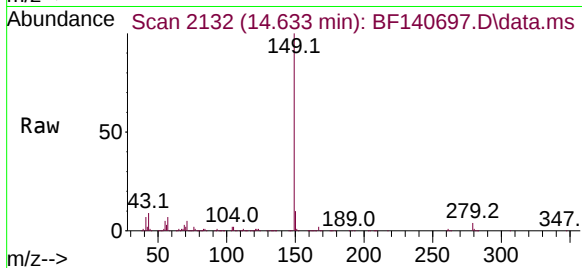
Tgt Ion:149 Resp: 641952

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.6 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

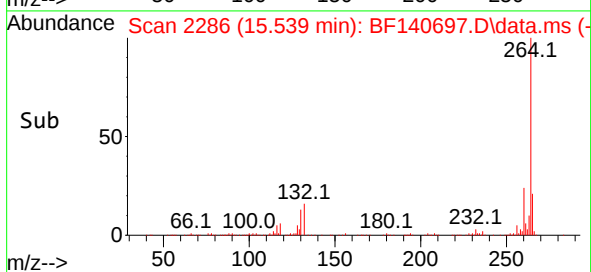
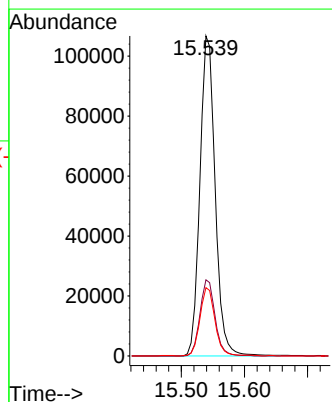
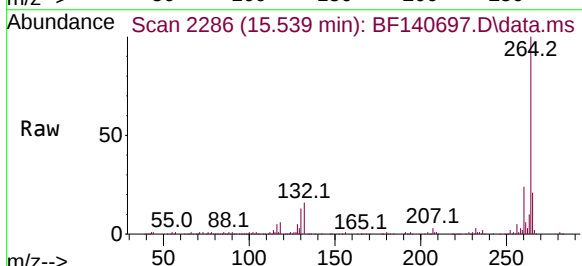
Tgt Ion:264 Resp: 179173

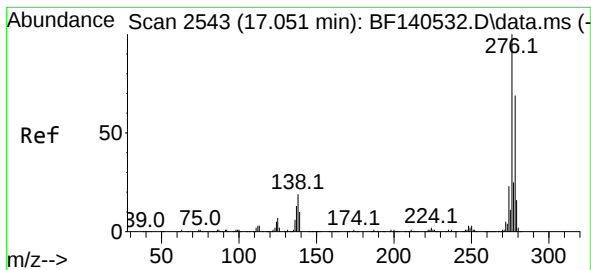
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.064 ng

RT: 17.056 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

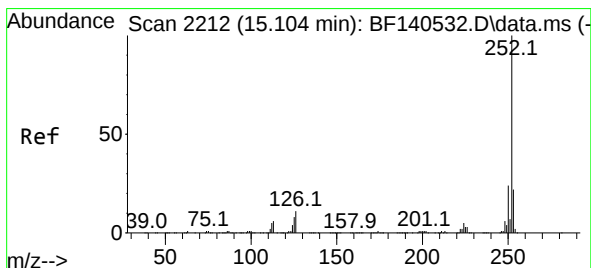
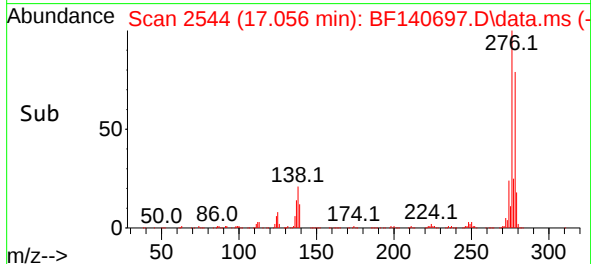
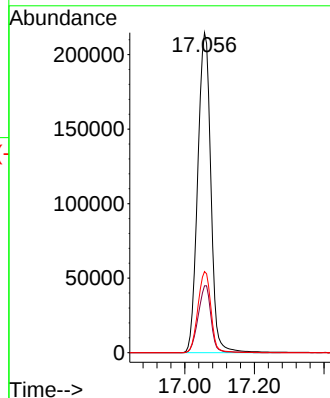
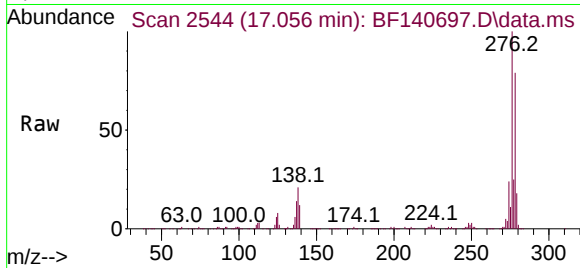
Tgt Ion:276 Resp: 561222

Ion Ratio Lower Upper

276 100

138 20.5 15.5 23.3

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 50.108 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

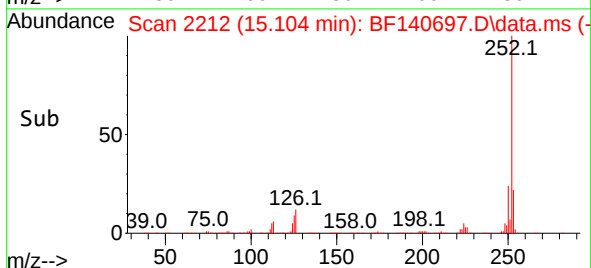
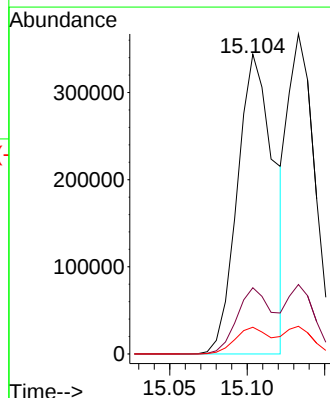
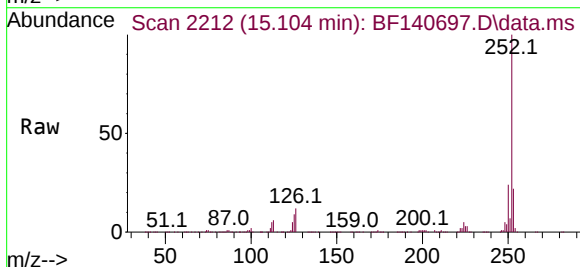
Tgt Ion:252 Resp: 563925

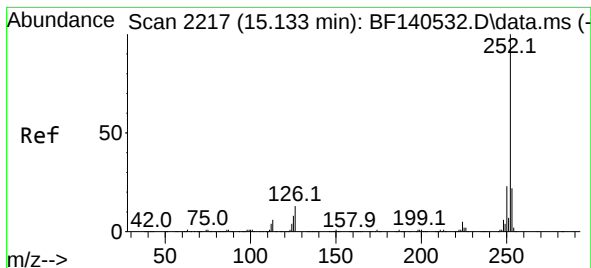
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 8.9 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 45.449 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

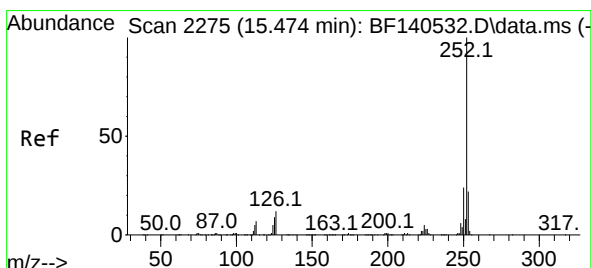
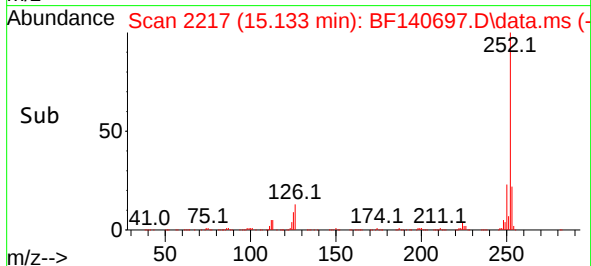
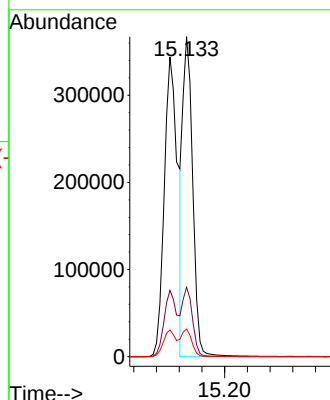
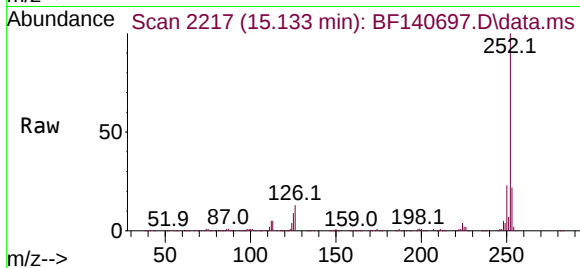
Tgt Ion:252 Resp: 447597

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 8.7 6.5 9.7



#90

Benzo(a)pyrene

Concen: 51.833 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

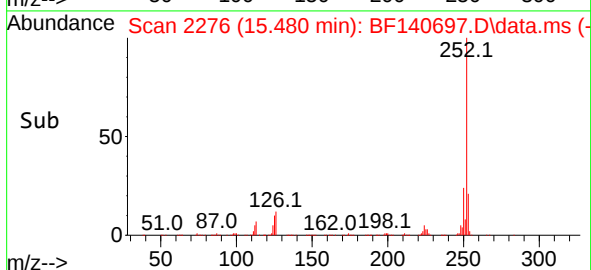
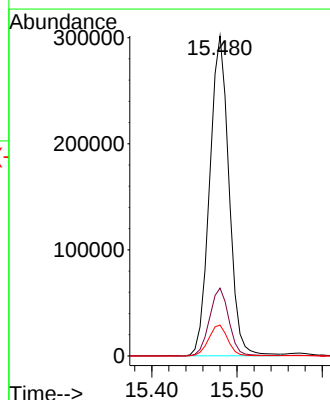
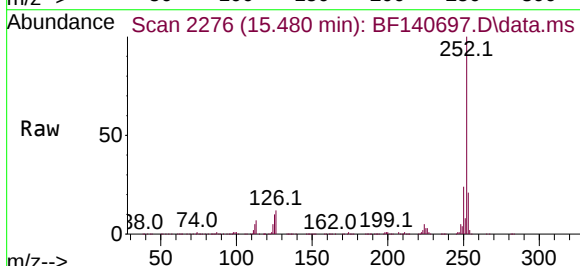
Tgt Ion:252 Resp: 474294

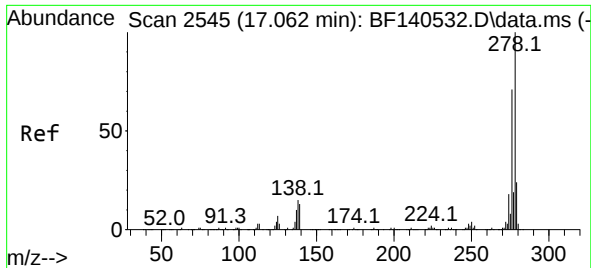
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 9.6 7.0 10.6

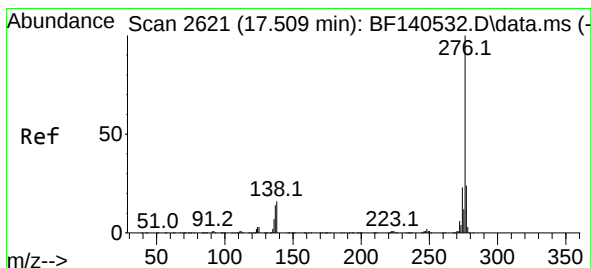
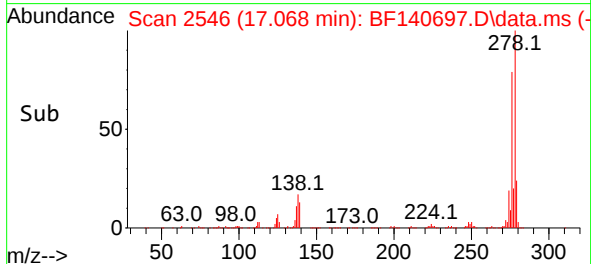
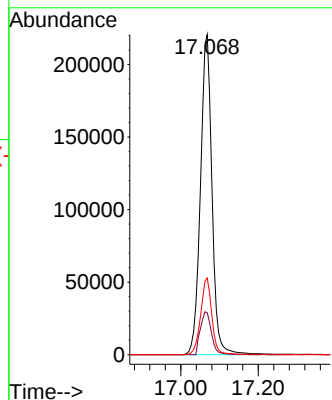
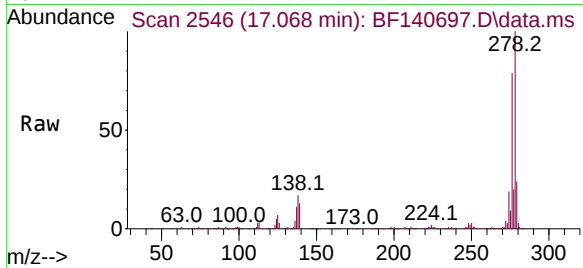




#91
Dibenzo(a,h)anthracene
Concen: 47.799 ng
RT: 17.068 min Scan# 2545
Delta R.T. 0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:278 Resp: 457088
Ion Ratio Lower Upper
278 100
139 13.1 10.2 15.4
279 23.9 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 43.889 ng
RT: 17.509 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:276 Resp: 428277
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 18.8 13.2 19.8

