

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140698.D
 Acq On : 02 Dec 2024 19:23
 Operator : RC/JU
 Sample : P5026-05MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMSD

Quant Time: Dec 03 00:05:34 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	79657	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	312268	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	178661	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	336781	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217135	20.000	ng	0.00
86) Perylene-d12	15.539	264	164773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	419830	89.925	ng	0.00
7) Phenol-d6	6.510	99	550647	89.216	ng	0.00
23) Nitrobenzene-d5	7.433	82	352369	57.719	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	167906	87.872	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	676167	56.389	ng	-0.01
79) Terphenyl-d14	12.980	244	714513	51.240	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	94211	47.995	ng	99
3) Pyridine	3.475	79	230481	53.366	ng	99
4) n-Nitrosodimethylamine	3.434	42	124593	49.084	ng	90
6) Aniline	6.534	93	219863	50.610	ng	94
8) 2-Chlorophenol	6.663	128	276737	55.097	ng	95
9) Benzaldehyde	6.422	77	96302	29.474	ng	100
10) Phenol	6.528	94	360754	57.233	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	254946	52.856	ng	100
12) 1,3-Dichlorobenzene	6.810	146	286720	50.803	ng	99
13) 1,4-Dichlorobenzene	6.886	146	296042	51.805	ng	99
14) 1,2-Dichlorobenzene	7.039	146	280397	52.364	ng	100
15) Benzyl Alcohol	7.016	79	252958	55.265	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	317603	55.736	ng	90
17) 2-Methylphenol	7.128	107	217313	54.049	ng	97
18) Hexachloroethane	7.381	117	107705	50.463	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	194291	53.264	ng	97
20) 3+4-Methylphenols	7.286	107	283449	54.848	ng	# 91
22) Acetophenone	7.281	105	376247	49.422	ng	97
24) Nitrobenzene	7.451	77	301973	47.859	ng	99
25) Isophorone	7.692	82	535049	52.546	ng	99
26) 2-Nitrophenol	7.769	139	152098	54.396	ng	95
27) 2,4-Dimethylphenol	7.810	122	216159	64.611	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	329168	53.064	ng	99
29) 2,4-Dichlorophenol	8.016	162	240204	54.185	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	246073	48.616	ng	99
31) Naphthalene	8.175	128	818308	50.875	ng	99
32) Benzoic acid	7.945	122	125984	43.982	ng	94
33) 4-Chloroaniline	8.222	127	100122	20.790	ng	98
34) Hexachlorobutadiene	8.286	225	162697	48.529	ng	100
35) Caprolactam	8.598	113	54966	40.066	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	268516	54.099	ng	100
37) 2-Methylnaphthalene	8.863	142	533953	52.265	ng	99
38) 1-Methylnaphthalene	8.963	142	501673	50.097	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	263275	50.336	ng	99
41) Hexachlorocyclopentadiene	9.016	237	209986	169.623	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	164648	50.168	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	182267	51.172	ng	98
46) 1,1'-Biphenyl	9.327	154	681374	51.081	ng	99
47) 2-Chloronaphthalene	9.357	162	512365	50.693	ng	98
48) 2-Nitroaniline	9.457	65	170492	52.552	ng	94
49) Acenaphthylene	9.769	152	838978	54.938	ng	99
50) Dimethylphthalate	9.627	163	628031	53.374	ng	100
51) 2,6-Dinitrotoluene	9.698	165	135837	50.902	ng	93
52) Acenaphthene	9.945	154	508773	52.433	ng	99
53) 3-Nitroaniline	9.869	138	84129	32.233	ng	95
54) 2,4-Dinitrophenol	9.986	184	140162	99.320	ng	92
55) Dibenzofuran	10.116	168	767785	51.875	ng	99
56) 4-Nitrophenol	10.045	139	173362	97.394	ng	93
57) 2,4-Dinitrotoluene	10.104	165	184775	52.099	ng	98
58) Fluorene	10.457	166	618783	52.086	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	157369	57.488	ng	93
60) Diethylphthalate	10.327	149	622107	52.037	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	300216	51.493	ng	99
62) 4-Nitroaniline	10.486	138	147772	53.983	ng	92
63) Azobenzene	10.610	77	642082	56.714	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	102299	59.443	ng	98
66) n-Nitrosodiphenylamine	10.569	169	537070	53.925	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	181516	52.335	ng	97
68) Hexachlorobenzene	11.010	284	209827	52.248	ng	99
69) Atrazine	11.098	200	177122	63.217	ng	99
70) Pentachlorophenol	11.210	266	173723	98.286	ng	99
71) Phenanthrene	11.427	178	882952	54.541	ng	100
72) Anthracene	11.474	178	900612	56.872	ng	100
73) Carbazole	11.633	167	830304	54.503	ng	100
74) Di-n-butylphthalate	11.951	149	967085	54.987	ng	100
75) Fluoranthene	12.615	202	987002	56.154	ng	99
77) Benzidine	12.739	184	283123	44.847	ng	99
78) Pyrene	12.845	202	1017400	50.675	ng	99
80) Butylbenzylphthalate	13.457	149	389520	53.857	ng	99
81) Benzo(a)anthracene	14.039	228	783436	54.506	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	134922	31.265	ng	99
83) Chrysene	14.074	228	706592	53.762	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	508699	55.702	ng	99
85) Di-n-octyl phthalate	14.633	149	714100	57.216	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	548707	51.099	ng	98
88) Benzo(b)fluoranthene	15.104	252	586026	56.623	ng	99
89) Benzo(k)fluoranthene	15.133	252	522940	57.740	ng	100
90) Benzo(a)pyrene	15.480	252	528843	62.845	ng	98
91) Dibenzo(a,h)anthracene	17.062	278	439698	49.999	ng	99
92) Benzo(g,h,i)perylene	17.509	276	420045	46.808	ng	98

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

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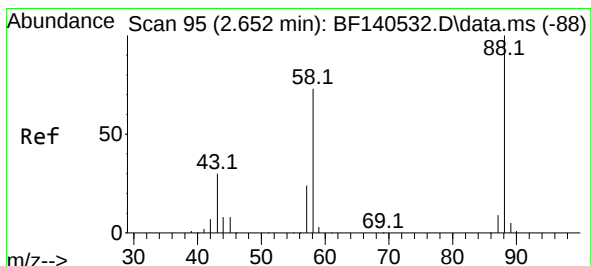
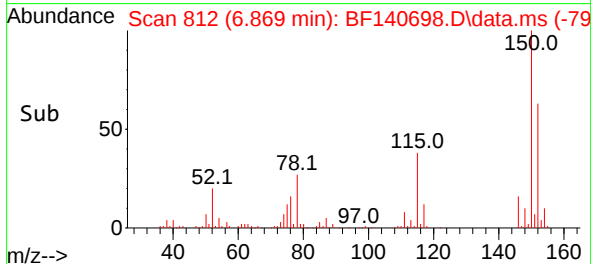
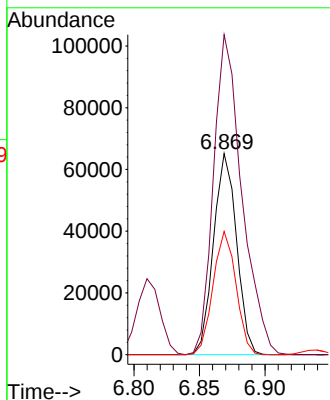
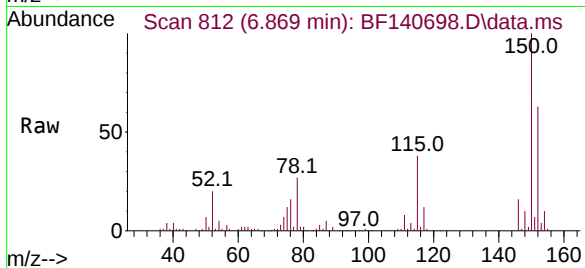




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140698.D
 Acq: 02 Dec 2024 19:23

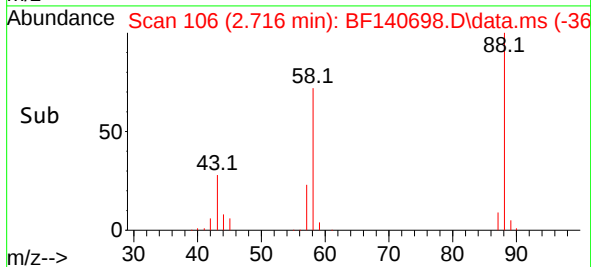
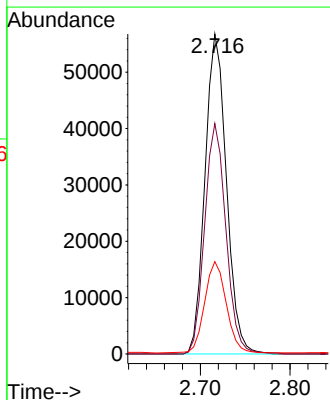
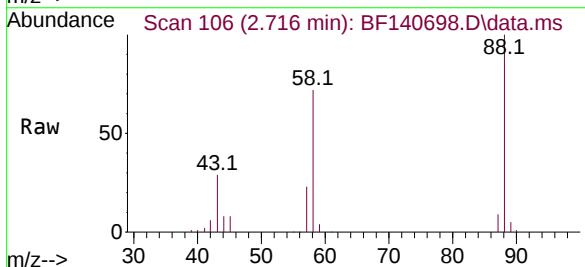
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMSD

Tgt Ion:152 Resp: 79657
 Ion Ratio Lower Upper
 152 100
 150 159.1 128.5 192.7
 115 61.2 50.2 75.4



#2
 1,4-Dioxane
 Concen: 47.995 ng
 RT: 2.716 min Scan# 106
 Delta R.T. 0.065 min
 Lab File: BF140698.D
 Acq: 02 Dec 2024 19:23

Tgt Ion: 88 Resp: 94211
 Ion Ratio Lower Upper
 88 100
 58 71.6 57.4 86.2
 43 28.8 24.3 36.5





#3

Pyridine

Concen: 53.366 ng

RT: 3.475 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

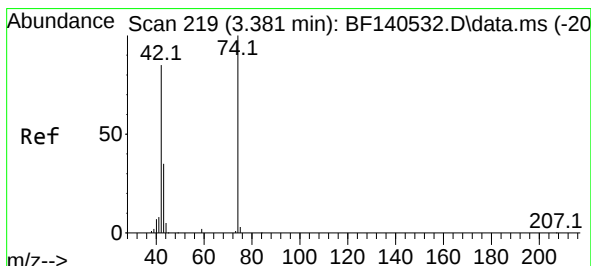
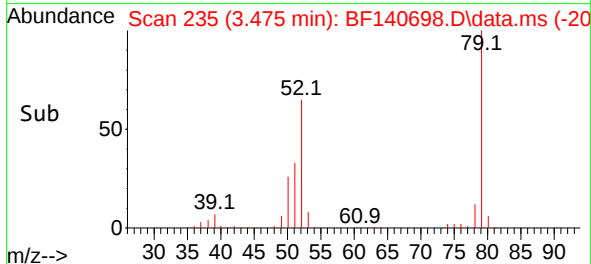
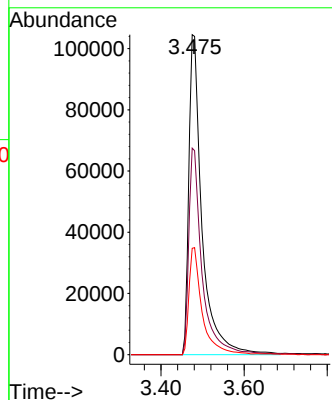
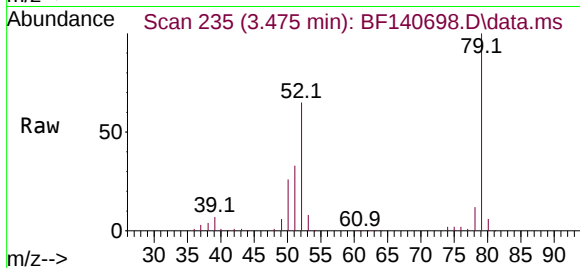
Tgt Ion: 79 Resp: 230481

Ion Ratio Lower Upper

79 100

52 64.5 52.1 78.1

51 33.2 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 49.084 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.053 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

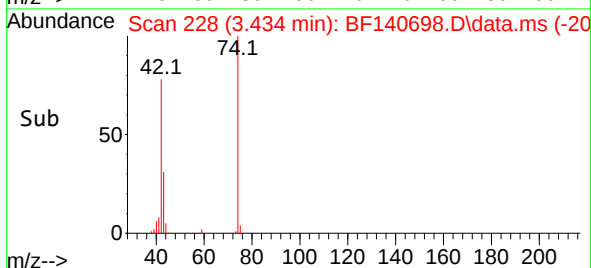
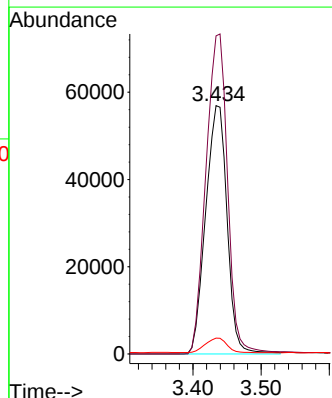
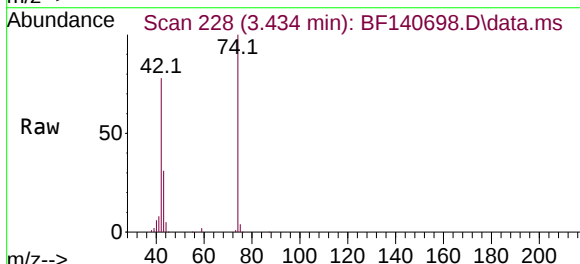
Tgt Ion: 42 Resp: 124593

Ion Ratio Lower Upper

42 100

74 128.1 93.8 140.6

44 6.4 4.6 6.8

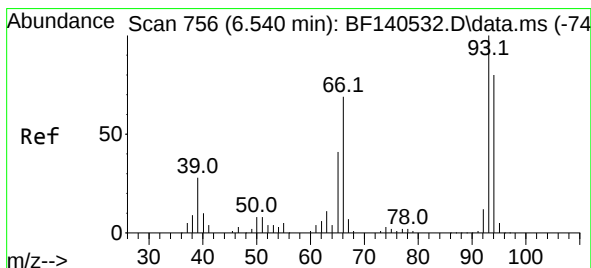
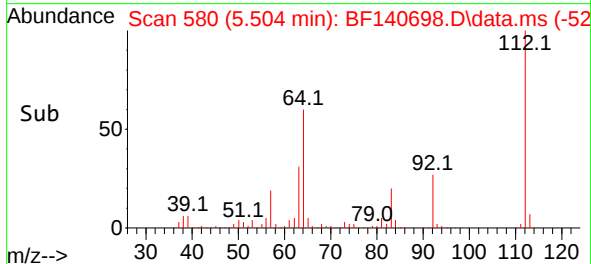
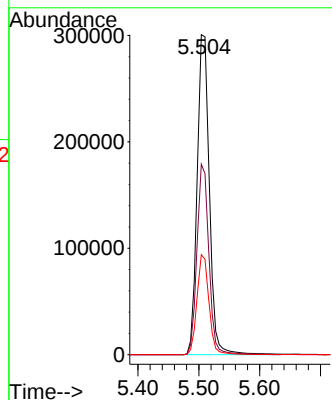
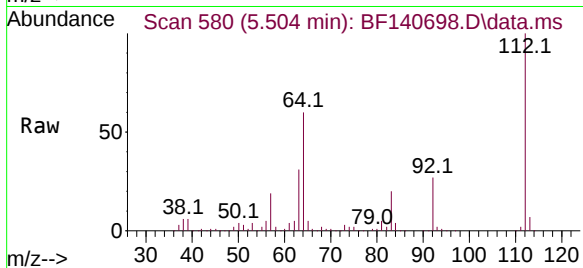




#5
2-Fluorophenol
Concen: 89.925 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

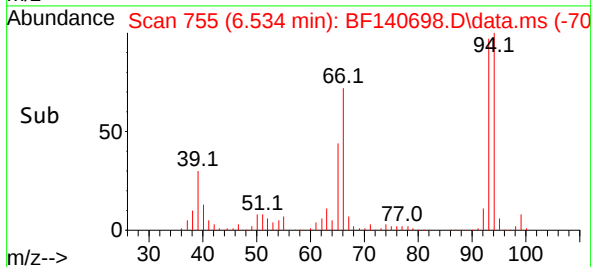
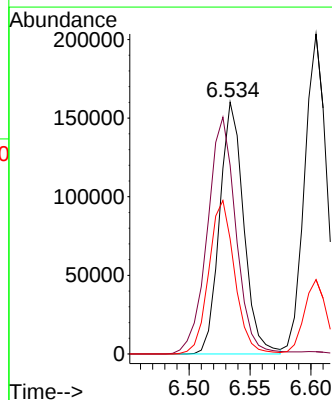
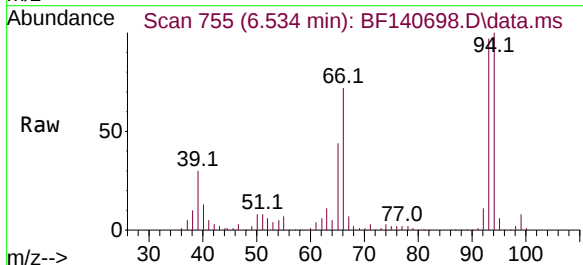
Instrument :
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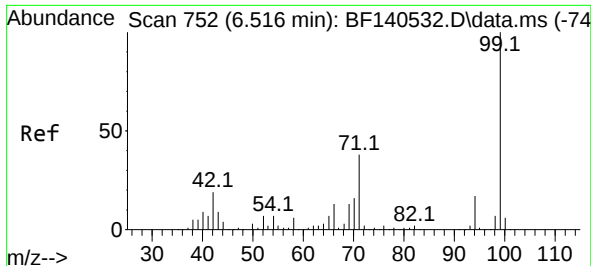
Tgt Ion:112 Resp: 419830
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 31.2 27.0 40.4



#6
Aniline
Concen: 50.610 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 93 Resp: 219863
Ion Ratio Lower Upper
93 100
66 74.9 56.5 84.7
65 45.7 32.9 49.3

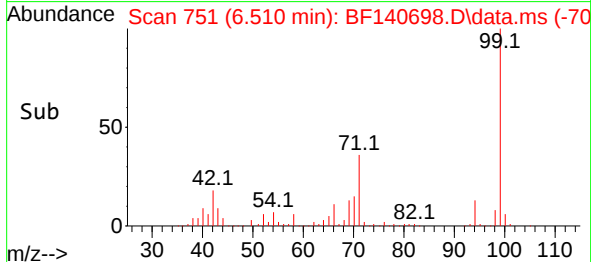
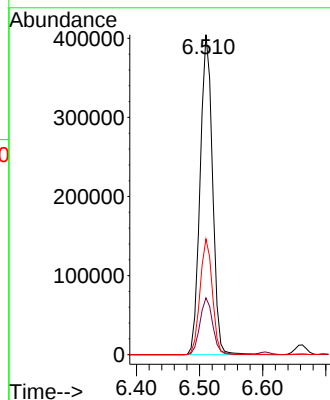
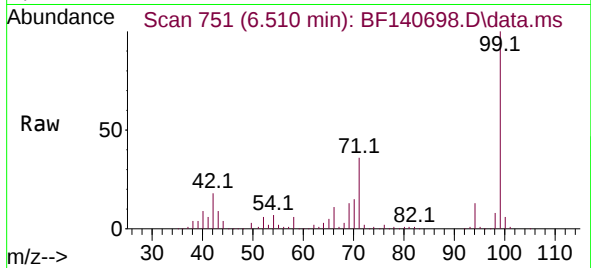




#7
Phenol-d6
Concen: 89.216 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

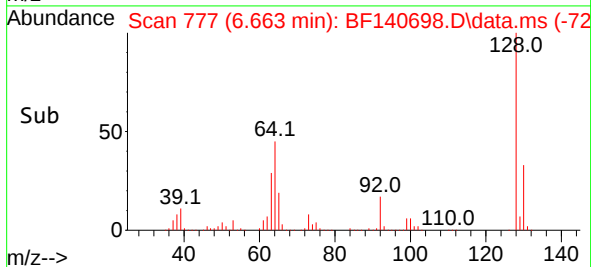
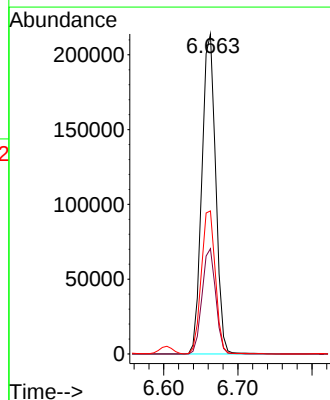
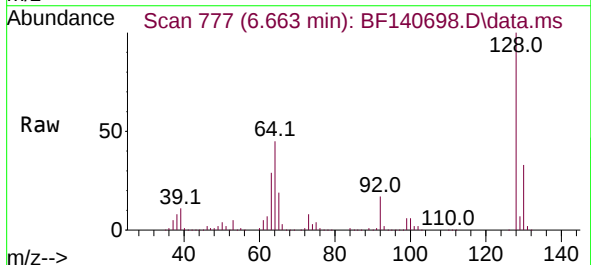
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

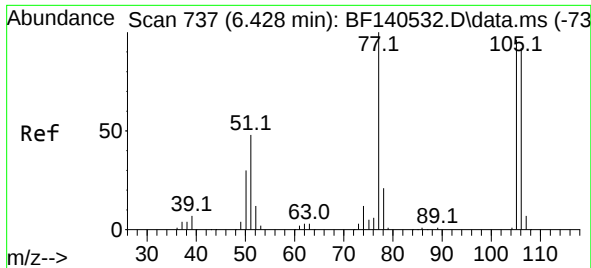
Tgt Ion: 99 Resp: 550647
Ion Ratio Lower Upper
99 100
42 17.8 15.4 23.0
71 36.2 30.6 46.0



#8
2-Chlorophenol
Concen: 55.097 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 128 Resp: 276737
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 44.7 30.2 70.2





#9

Benzaldehyde

Concen: 29.474 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

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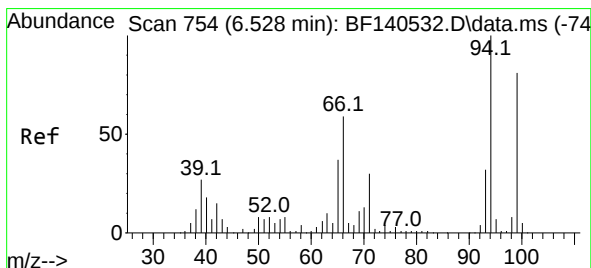
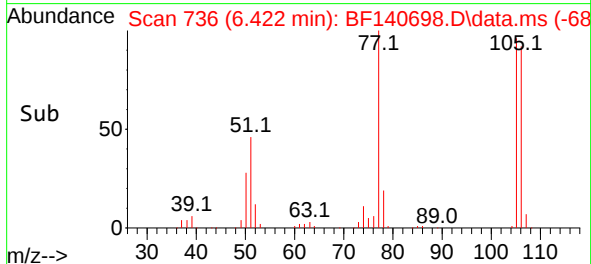
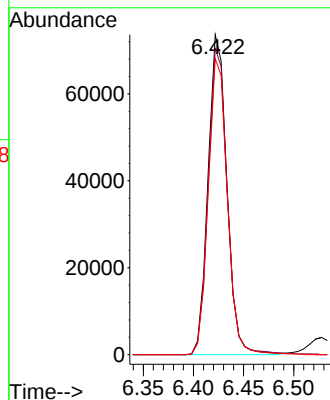
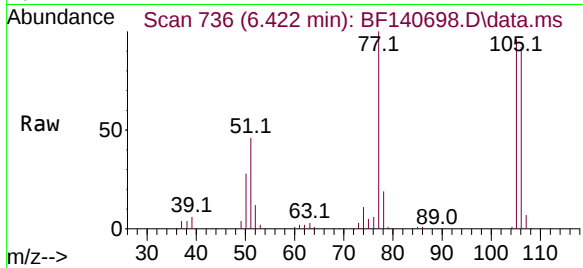
Tgt Ion: 77 Resp: 96302

Ion Ratio Lower Upper

77 100

105 95.7 75.6 115.6

106 92.5 72.0 112.0



#10

Phenol

Concen: 57.233 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

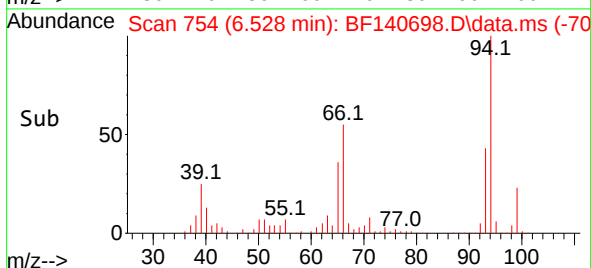
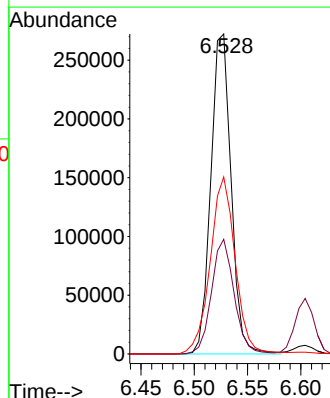
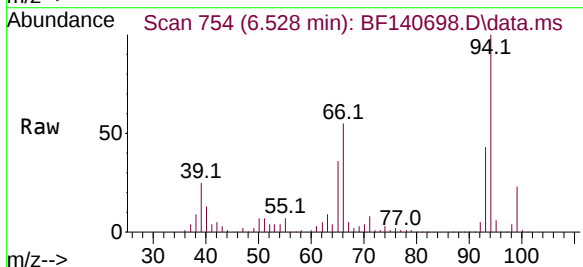
Tgt Ion: 94 Resp: 360754

Ion Ratio Lower Upper

94 100

65 35.8 17.2 57.2

66 55.3 39.2 79.2

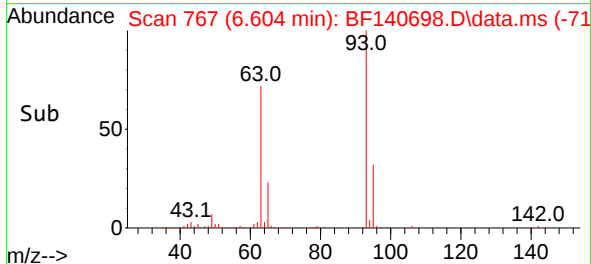
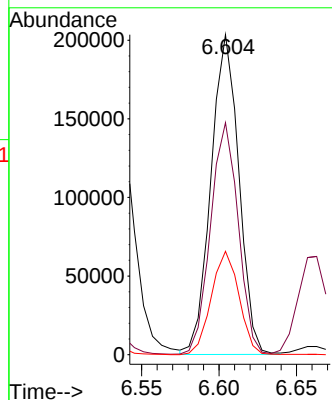
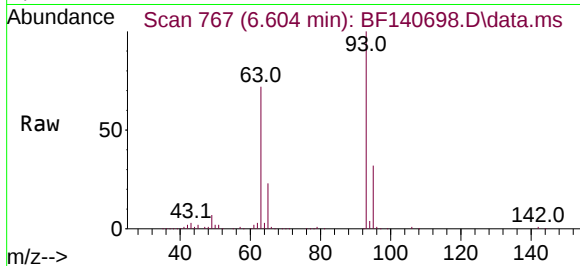




#11
bis(2-Chloroethyl)ether
Concen: 52.856 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

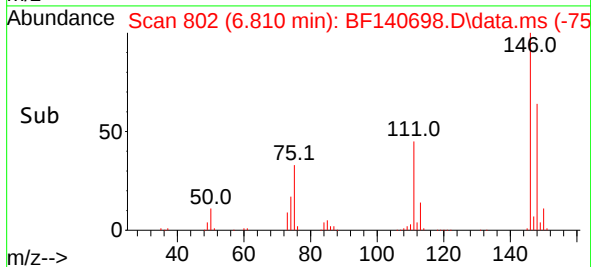
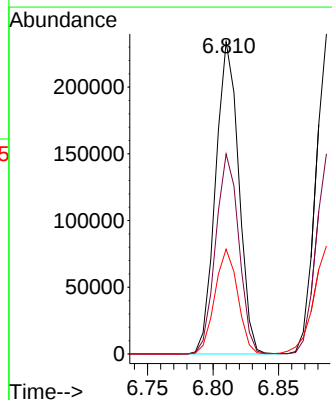
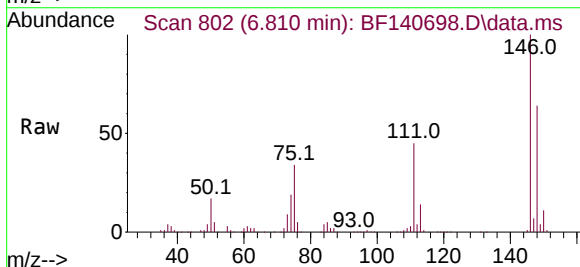
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion: 93 Resp: 254946
Ion Ratio Lower Upper
93 100
63 72.5 52.8 92.8
95 32.3 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 50.803 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:146 Resp: 286720
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 33.6 28.2 42.2

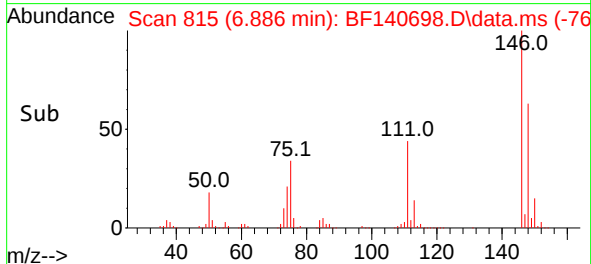
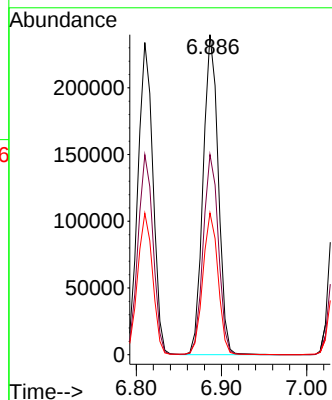
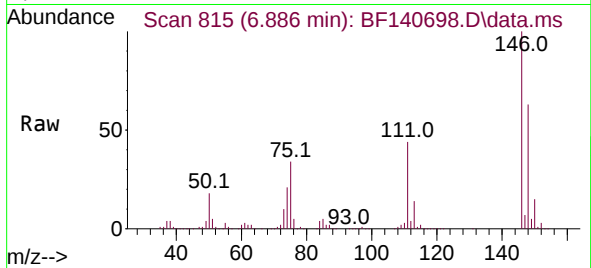




#13
1,4-Dichlorobenzene
Concen: 51.805 ng
RT: 6.886 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

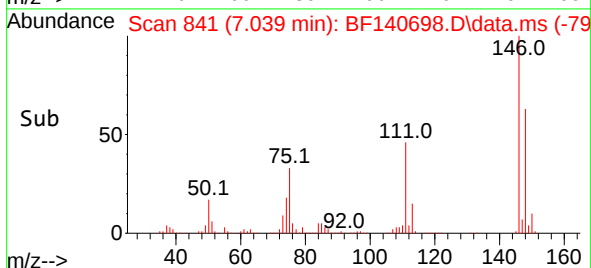
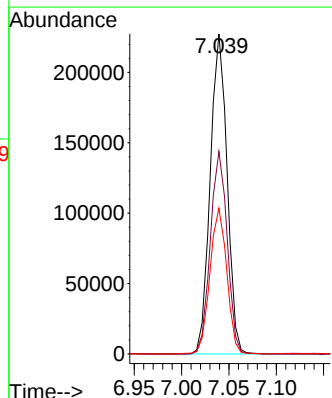
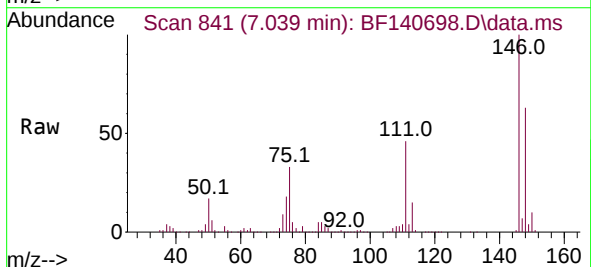
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:146 Resp: 296042
Ion Ratio Lower Upper
146 100
148 62.5 51.0 76.6
111 44.3 35.3 52.9



#14
1,2-Dichlorobenzene
Concen: 52.364 ng
RT: 7.039 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:146 Resp: 280397
Ion Ratio Lower Upper
146 100
148 63.3 50.5 75.7
111 45.6 36.7 55.1

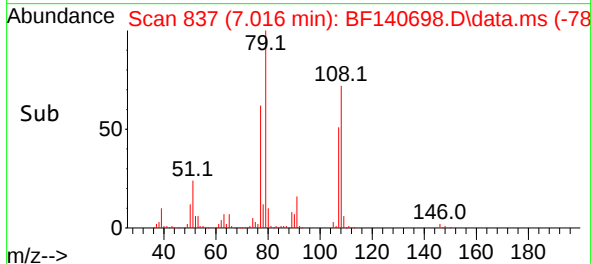
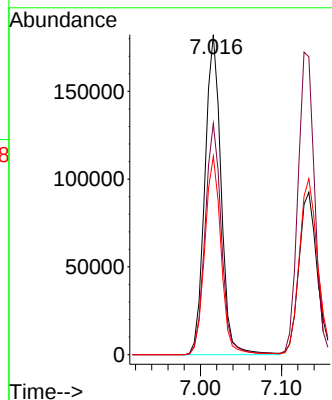
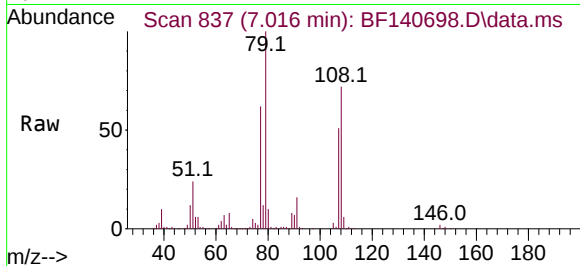




#15
Benzyl Alcohol
Concen: 55.265 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

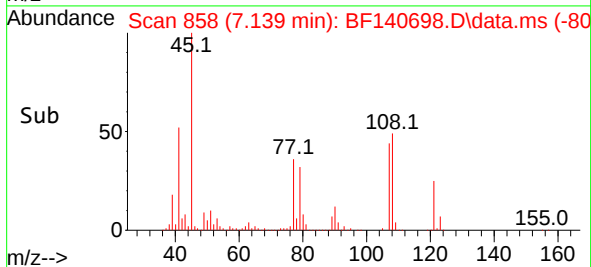
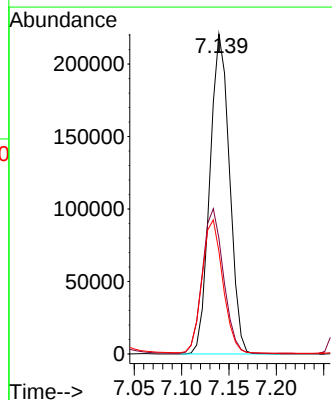
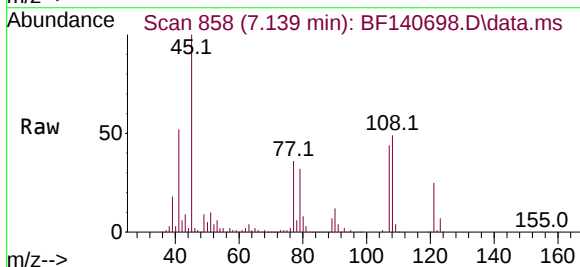
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

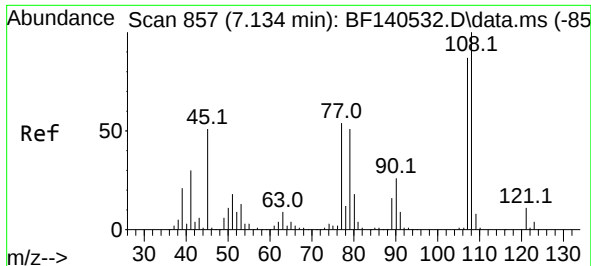
Tgt Ion: 79 Resp: 252958
Ion Ratio Lower Upper
79 100
108 72.3 55.0 82.6
77 62.0 50.1 75.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 55.736 ng
RT: 7.139 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 45 Resp: 317603
Ion Ratio Lower Upper
45 100
77 36.2 10.7 50.7
79 32.1 7.0 47.0

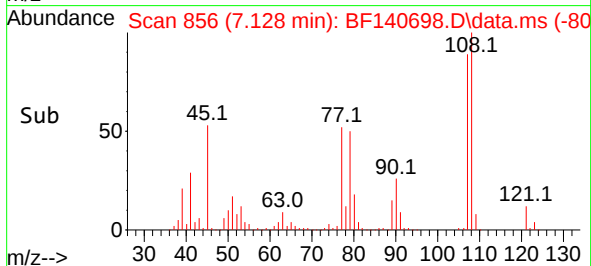
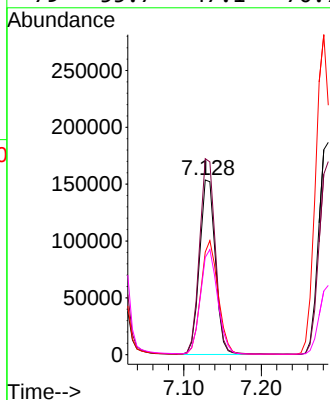
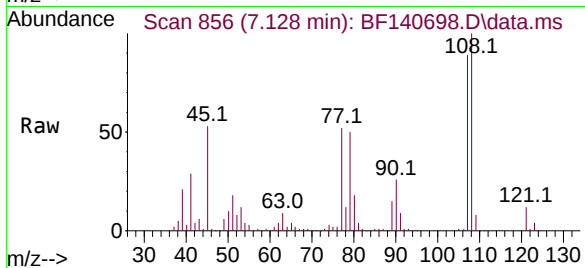




#17
2-Methylphenol
Concen: 54.049 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

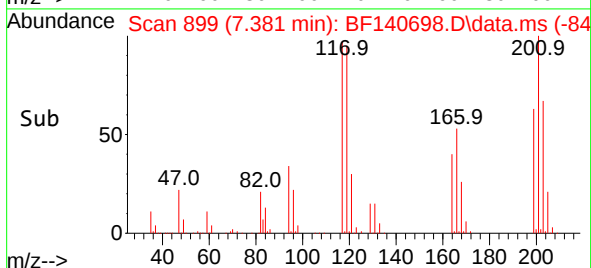
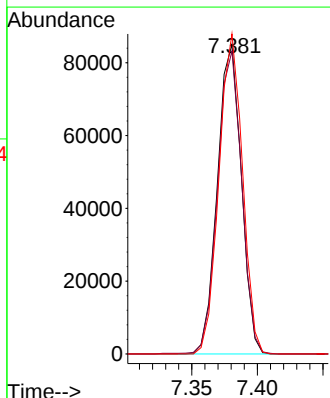
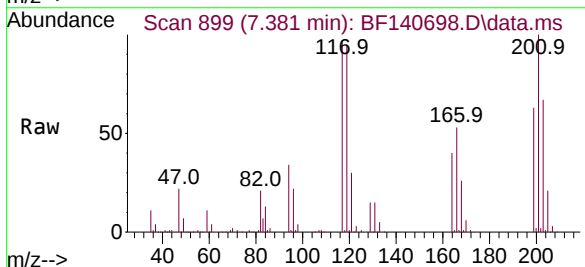
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:	107	Resp:	217313
Ion	Ratio	Lower	Upper
107	100		
108	112.2	91.7	137.5
77	58.7	49.3	73.9
79	55.7	47.1	70.7



#18
Hexachloroethane
Concen: 50.463 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:	117	Resp:	107705
Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.1	115.7
201	103.3	81.1	121.7



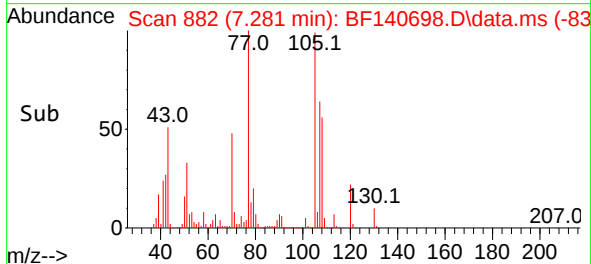
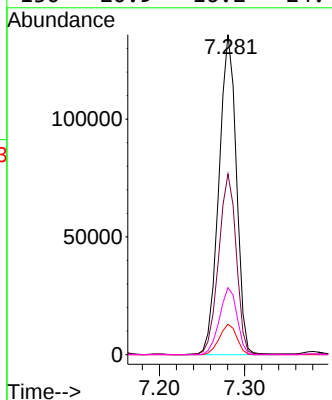
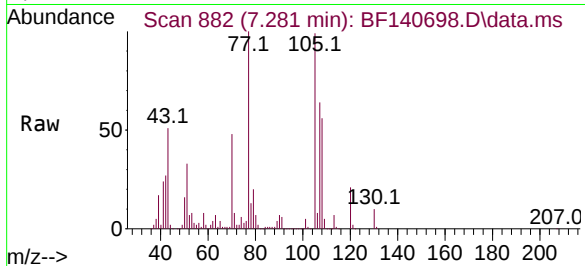


#19
n-Nitroso-di-n-propylamine
Concen: 53.264 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion: 70 Resp: 194291

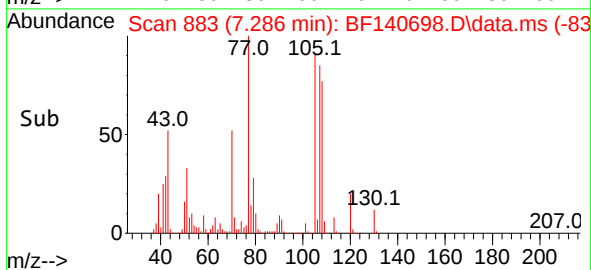
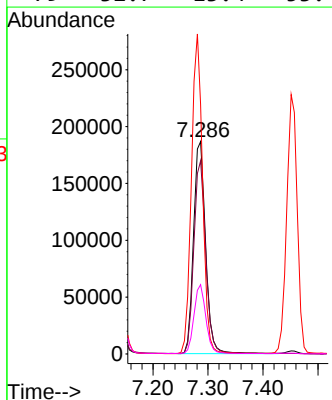
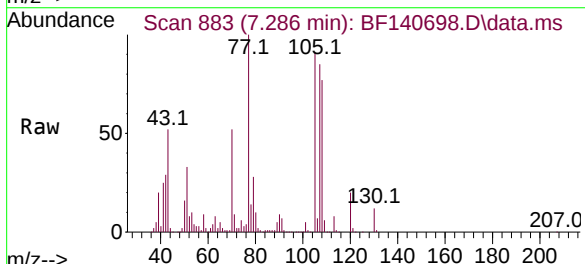
Ion	Ratio	Lower	Upper
70	100		
42	56.5	47.6	71.4
101	9.5	7.6	11.4
130	20.9	16.2	24.4

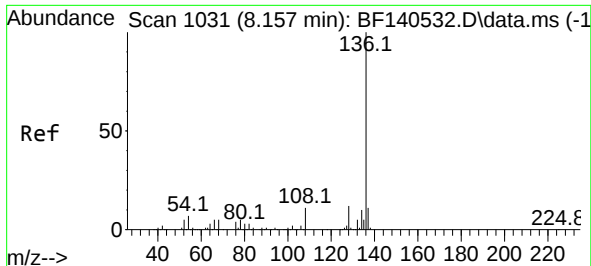


#20
3+4-Methylphenols
Concen: 54.848 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 107 Resp: 283449

Ion	Ratio	Lower	Upper
107	100		
108	91.0	69.9	109.9
77	117.5	117.7	157.7#
79	32.7	13.4	53.4

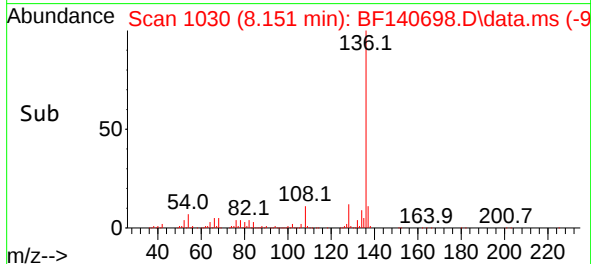
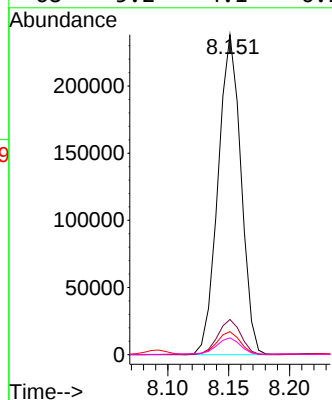
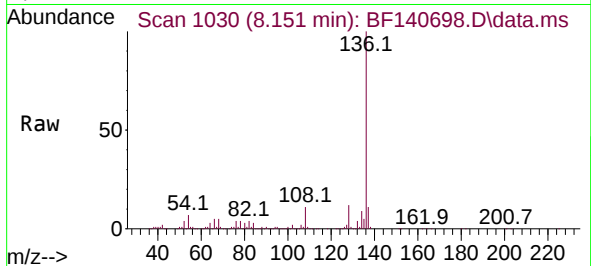




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

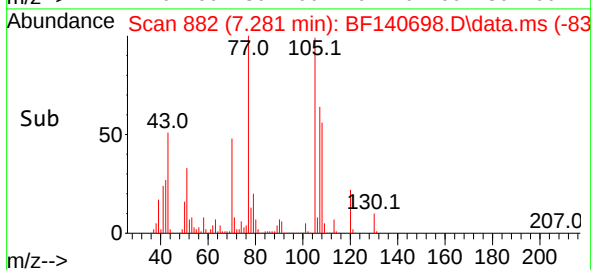
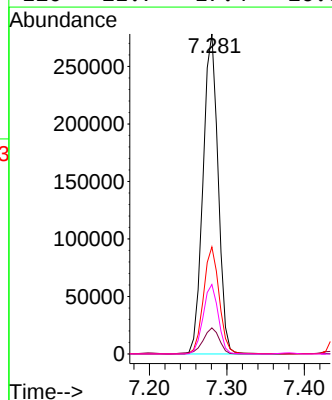
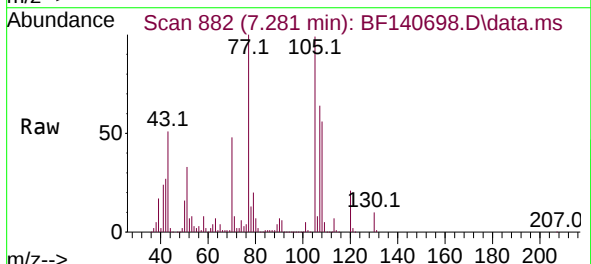
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:136	Resp: 312268
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 7.2	5.8 8.8
68 5.2	4.1 6.1



#22
Acetophenone
Concen: 49.422 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt	Ion:105	Resp:	376247
Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.2	9.2
51	33.5	29.0	43.6
120	21.7	17.4	26.0

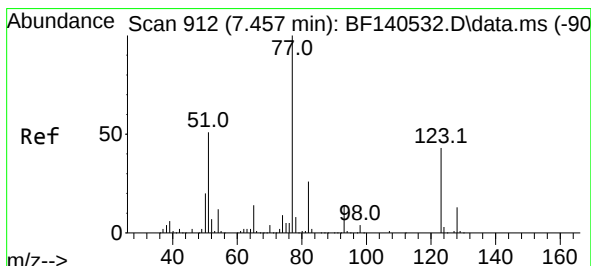
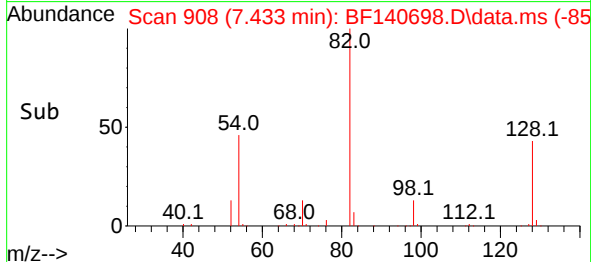
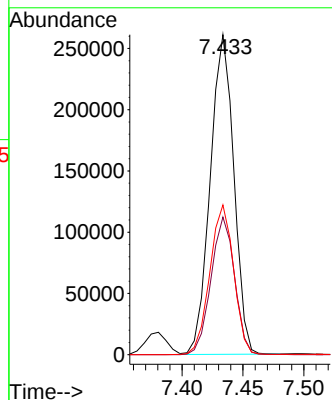
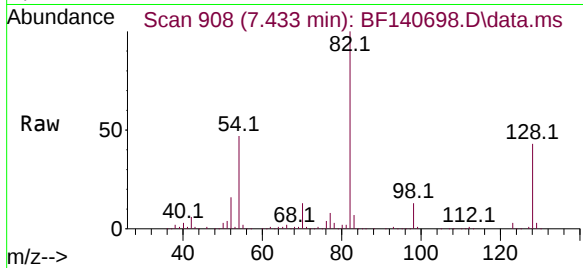




#23
Nitrobenzene-d5
Concen: 57.719 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

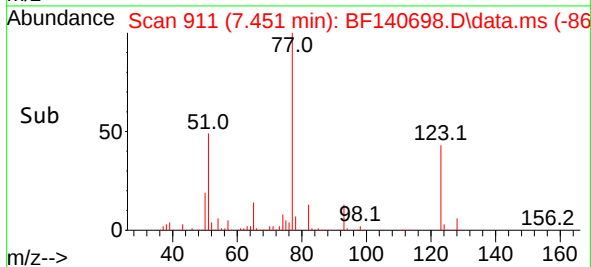
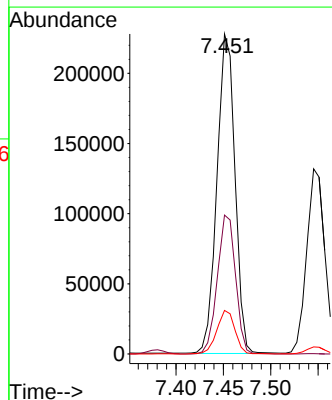
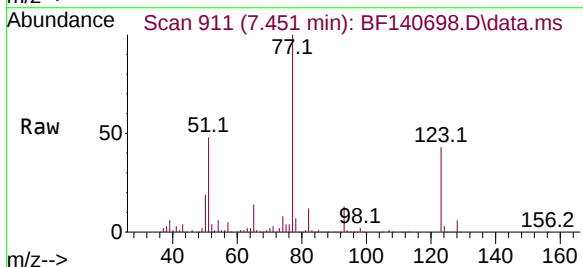
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion: 82 Resp: 352369
Ion Ratio Lower Upper
82 100
128 43.0 33.0 49.4
54 46.8 39.5 59.3



#24
Nitrobenzene
Concen: 47.859 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 77 Resp: 301973
Ion Ratio Lower Upper
77 100
123 43.4 34.3 51.5
65 13.6 11.2 16.8

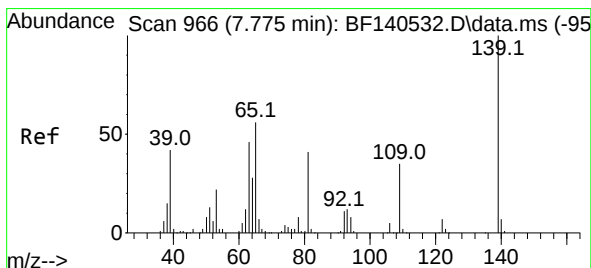
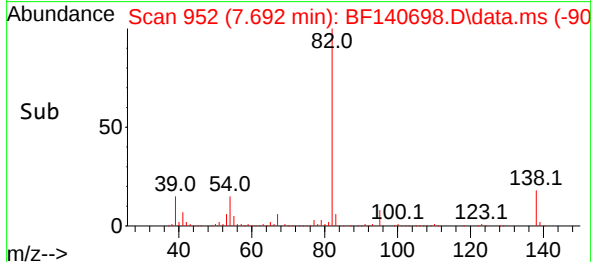
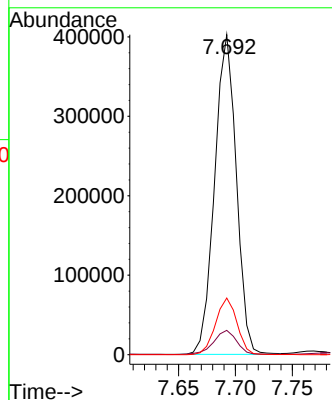
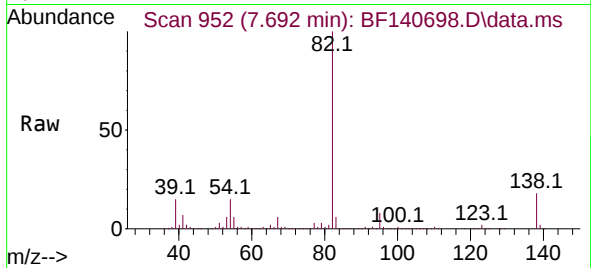




#25
Isophorone
Concen: 52.546 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

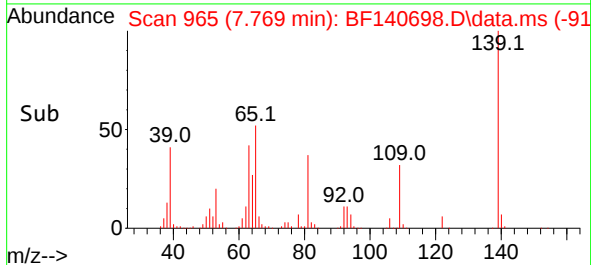
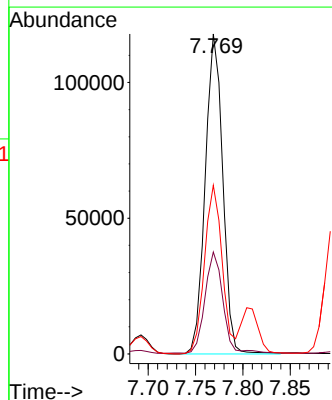
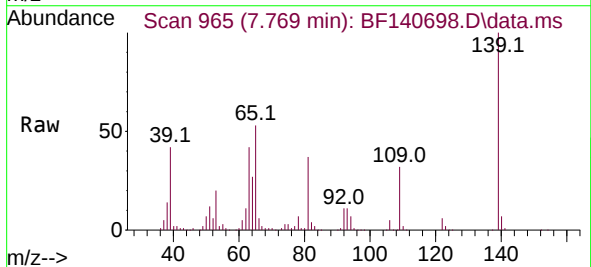
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion: 82 Resp: 535049
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 17.7 13.8 20.6



#26
2-Nitrophenol
Concen: 54.396 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:139 Resp: 152098
Ion Ratio Lower Upper
139 100
109 31.9 28.0 42.0
65 52.7 44.6 67.0

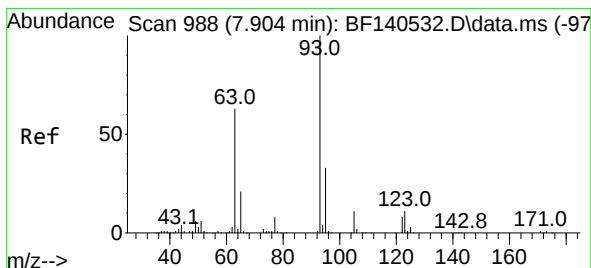
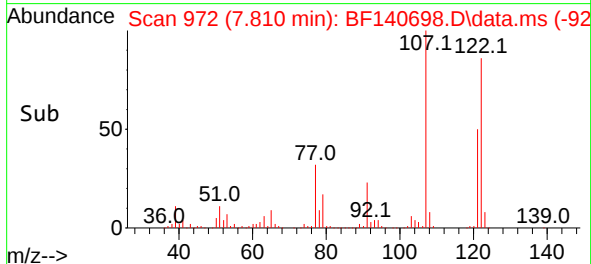
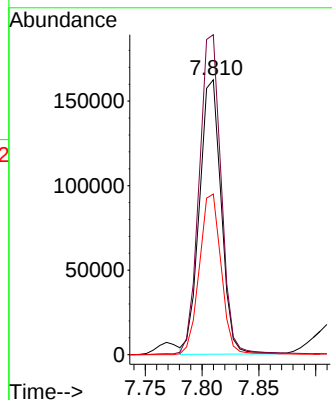
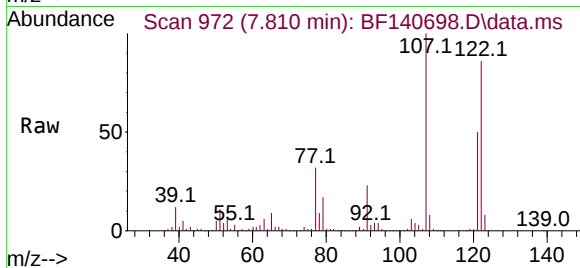




#27
2,4-Dimethylphenol
Concen: 64.611 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

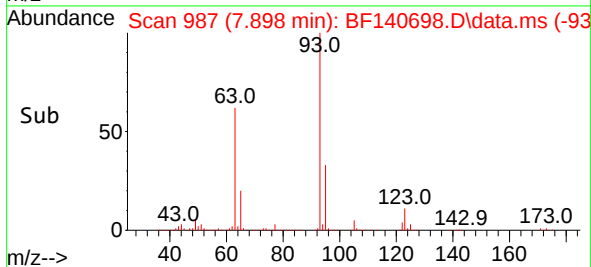
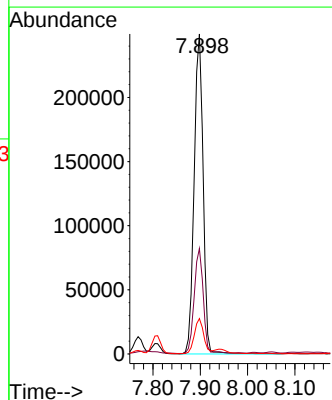
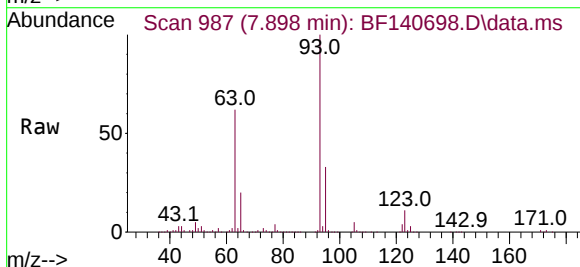
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:122 Resp: 216159
Ion Ratio Lower Upper
122 100
107 116.4 96.8 145.2
121 58.5 47.4 71.0



#28
bis(2-Chloroethoxy)methane
Concen: 53.064 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 93 Resp: 329168
Ion Ratio Lower Upper
93 100
95 32.9 26.1 39.1
123 11.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 54.185 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

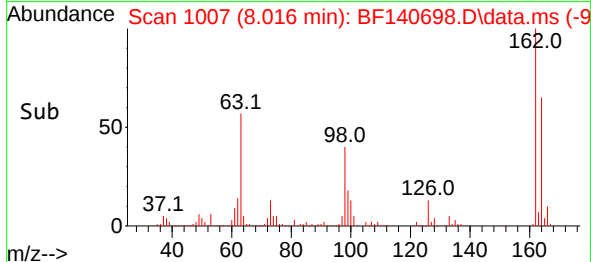
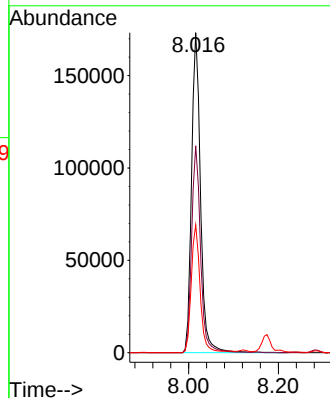
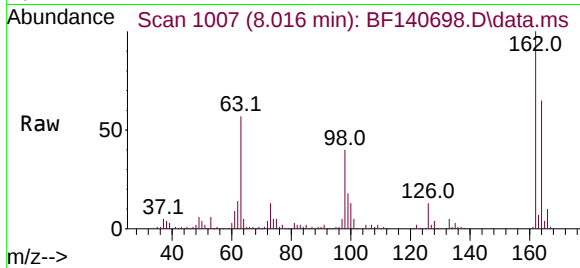
Tgt Ion:162 Resp: 240204

Ion Ratio Lower Upper

162 100

164 64.7 44.8 84.8

98 39.9 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 48.616 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

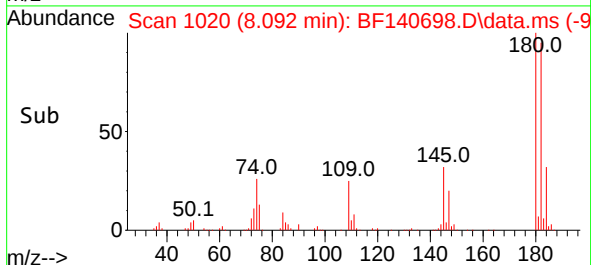
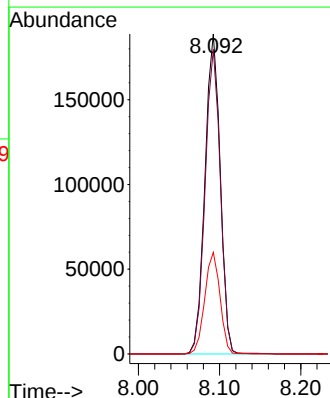
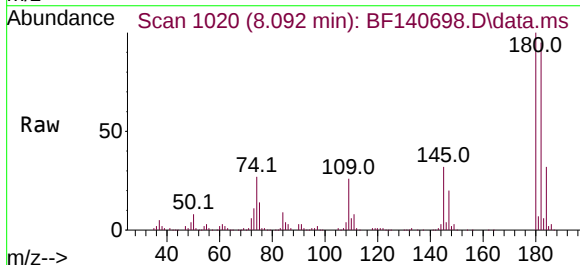
Tgt Ion:180 Resp: 246073

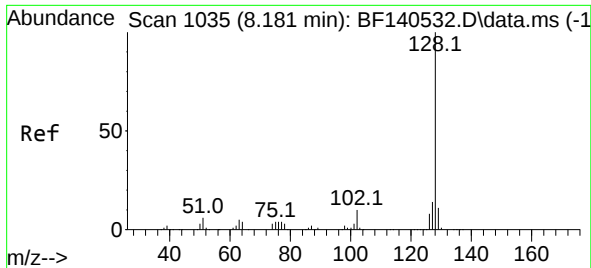
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 31.8 25.9 38.9

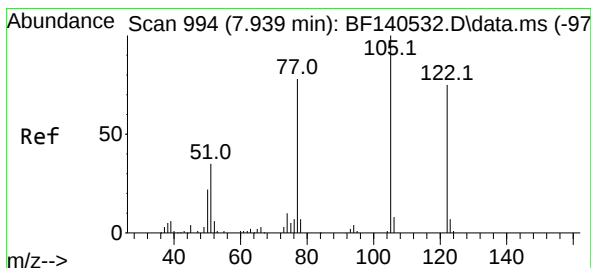
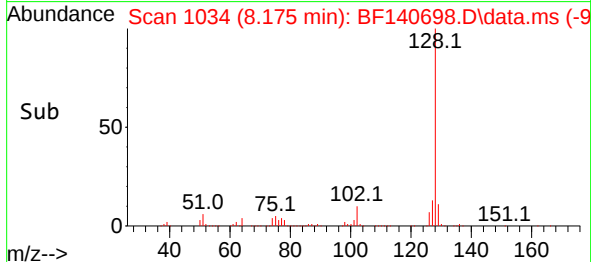
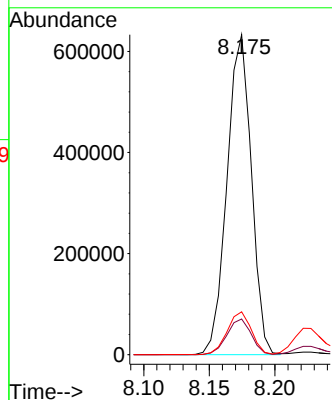
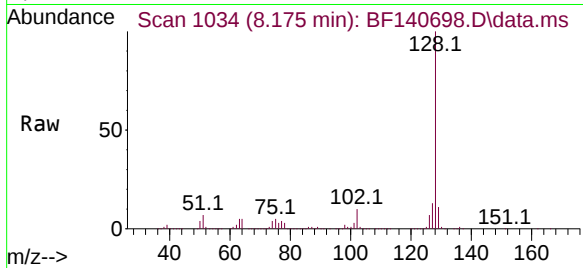




#31
Naphthalene
Concen: 50.875 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

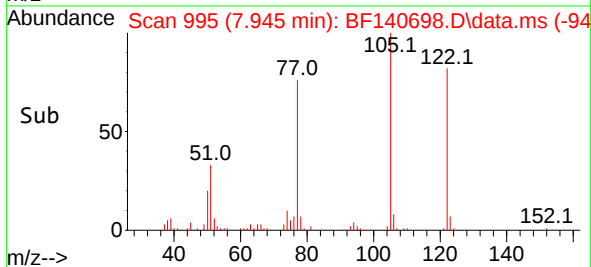
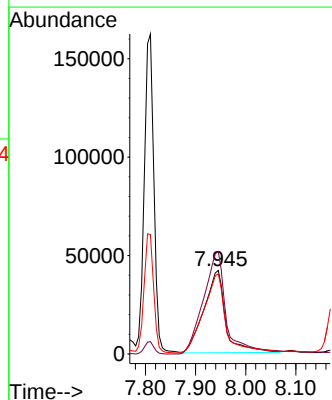
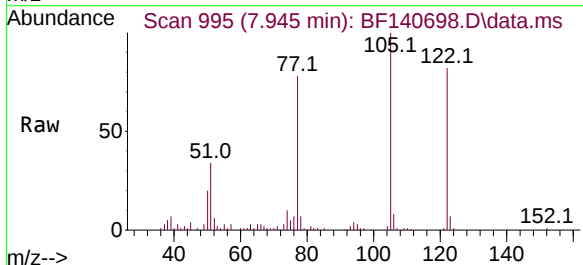
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:128 Resp: 818308
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 43.982 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:122 Resp: 125984
Ion Ratio Lower Upper
122 100
105 122.7 109.3 149.3
77 96.0 82.3 122.3

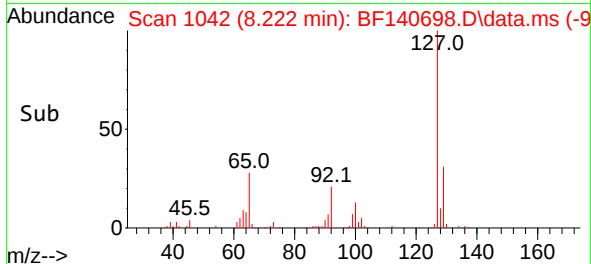
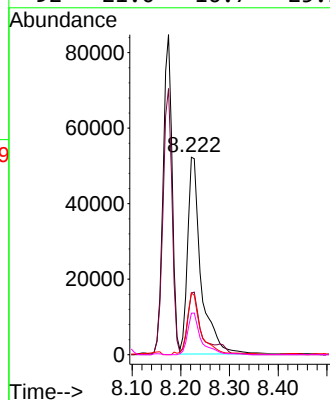
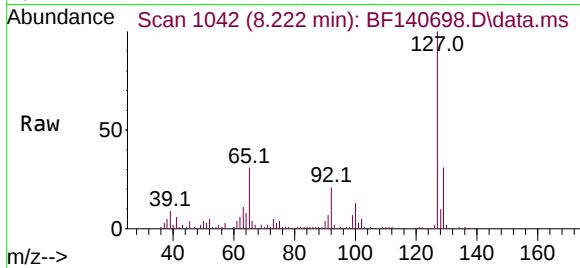




#33
4-Chloroaniline
Concen: 20.790 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

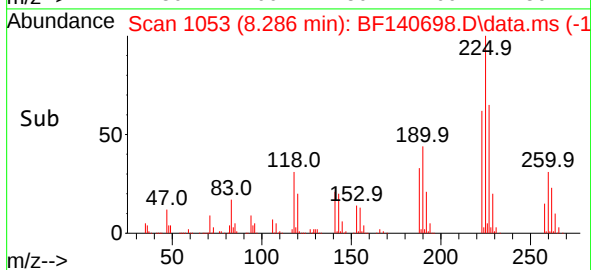
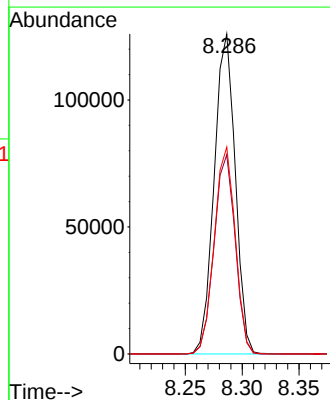
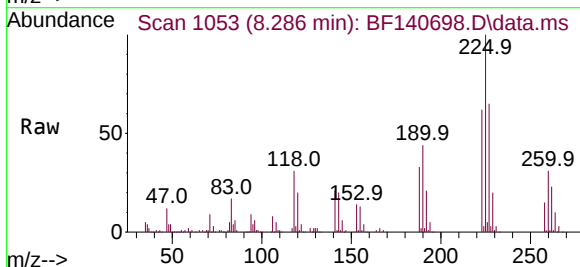
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

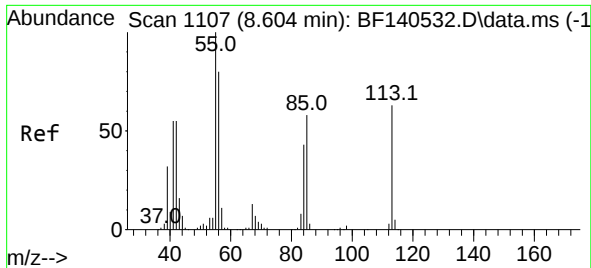
Tgt Ion:	127	Resp:	100122
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.0	39.0
65	31.3	26.0	39.0
92	21.0	16.7	25.1



#34
Hexachlorobutadiene
Concen: 48.529 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:	225	Resp:	162697
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	64.6	51.3	76.9

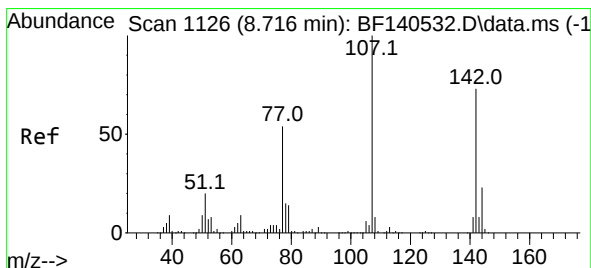
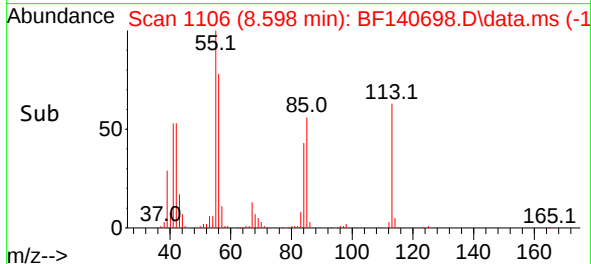
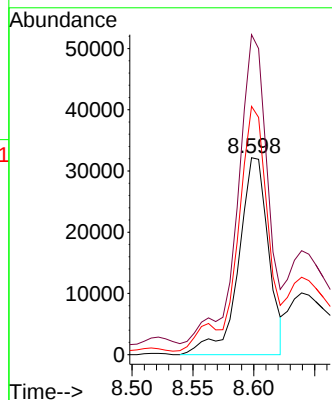
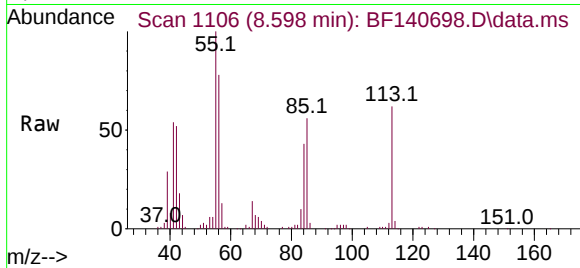




#35
 Caprolactam
 Concen: 40.066 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.006 min
 Lab File: BF140698.D
 Acq: 02 Dec 2024 19:23

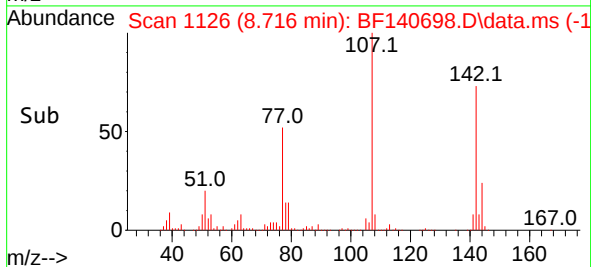
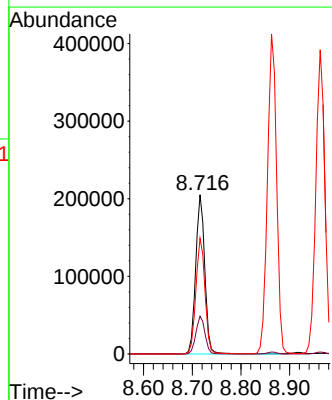
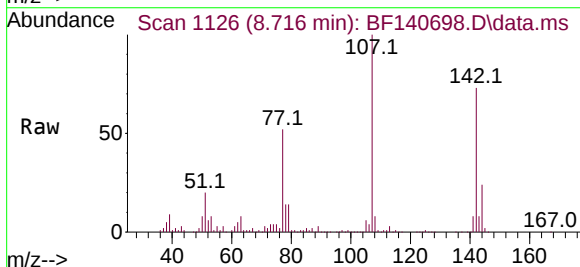
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMSD

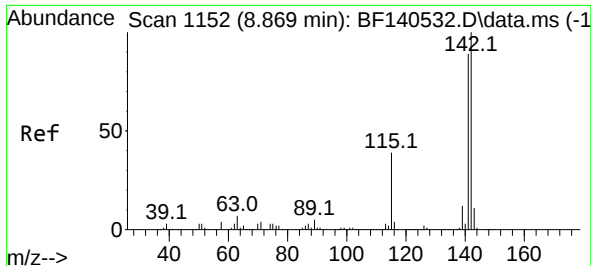
Tgt Ion:113 Resp: 54966
 Ion Ratio Lower Upper
 113 100
 55 162.5 137.7 177.7
 56 126.1 106.4 146.4



#36
 4-Chloro-3-methylphenol
 Concen: 54.099 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: BF140698.D
 Acq: 02 Dec 2024 19:23

Tgt Ion:107 Resp: 268516
 Ion Ratio Lower Upper
 107 100
 144 23.7 18.7 28.1
 142 72.7 58.3 87.5





#37

2-Methylnaphthalene

Concen: 52.265 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

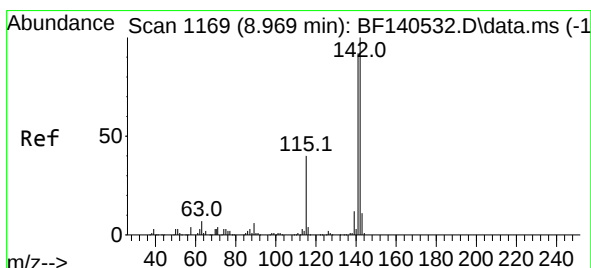
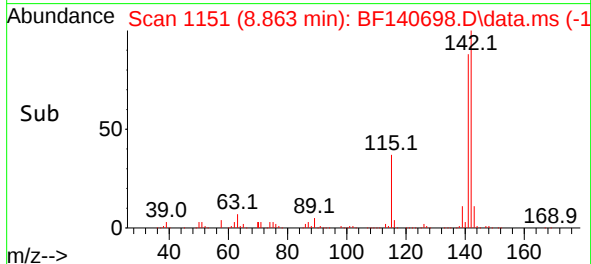
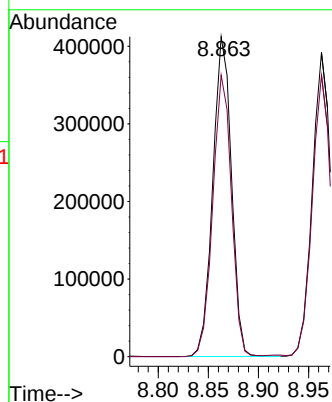
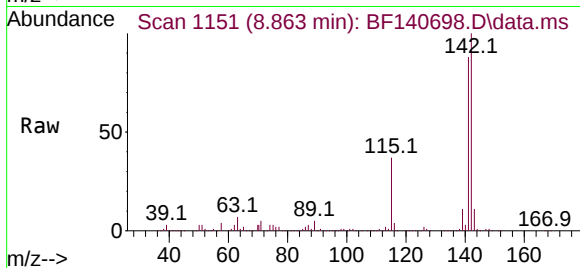
SOIL-1-HAMMSD

Tgt Ion:142 Resp: 533953

Ion Ratio Lower Upper

142 100

141 88.0 71.0 106.6



#38

1-Methylnaphthalene

Concen: 50.097 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140698.D

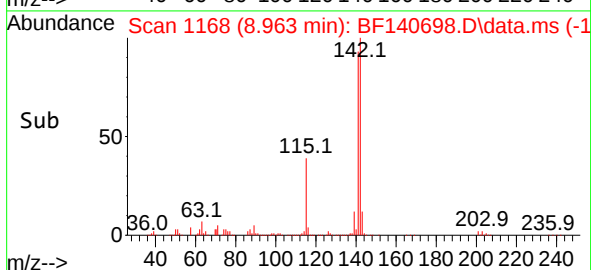
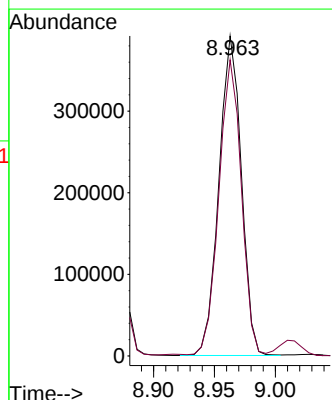
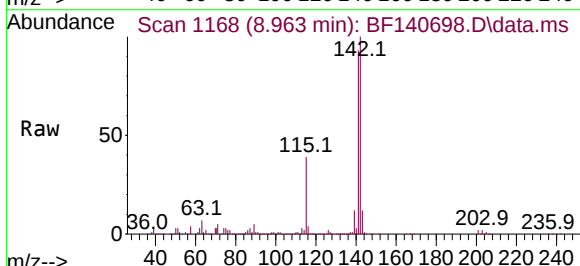
Acq: 02 Dec 2024 19:23

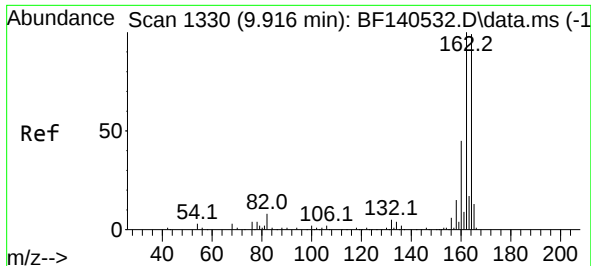
Tgt Ion:142 Resp: 501673

Ion Ratio Lower Upper

142 100

141 92.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

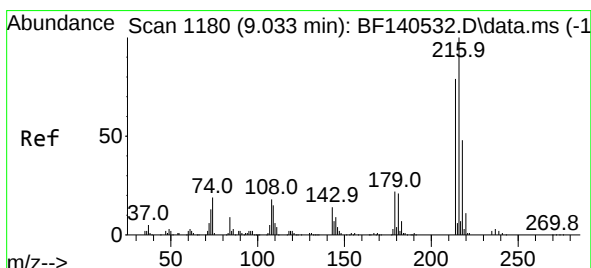
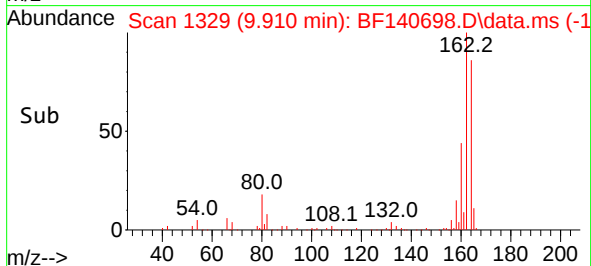
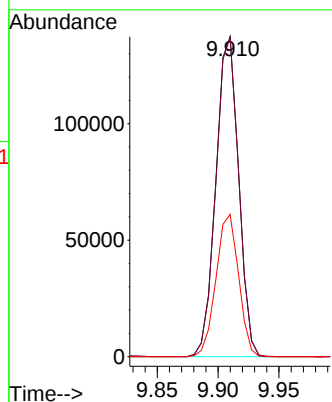
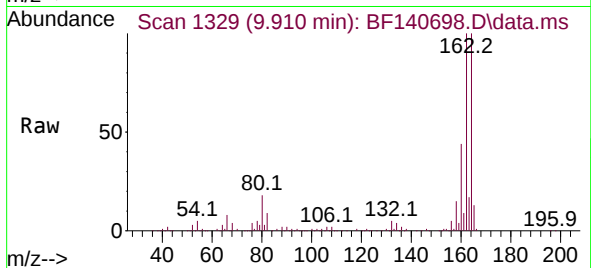
Tgt Ion:164 Resp: 178661

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

160 44.4 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.336 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Tgt Ion:216 Resp: 263275

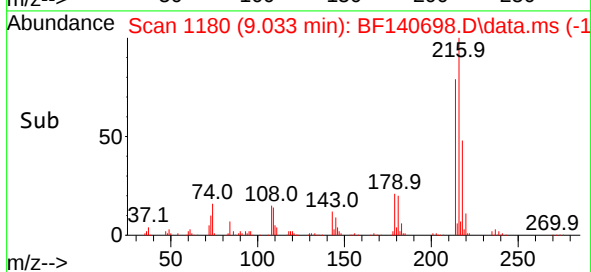
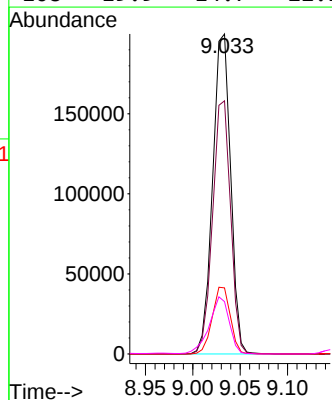
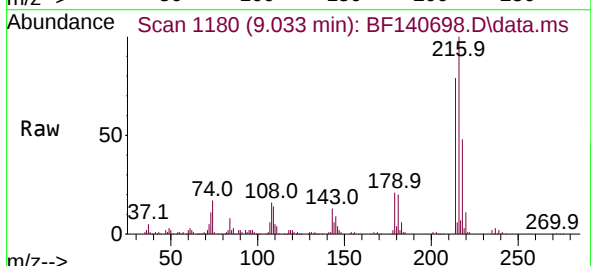
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.4

179 21.0 17.5 26.3

108 19.9 14.7 22.1

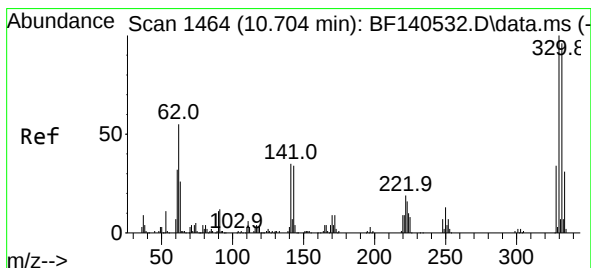
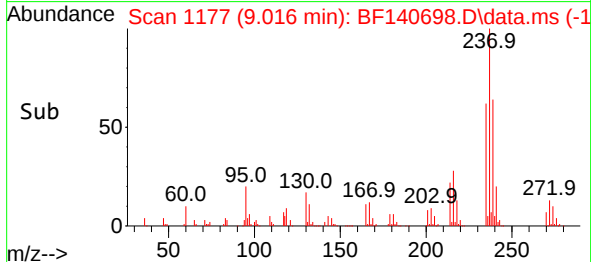
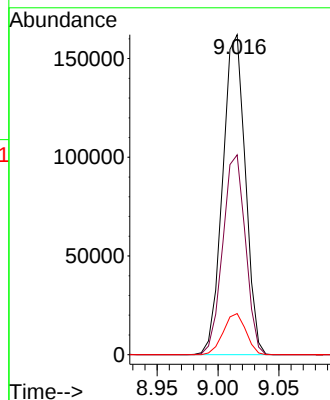
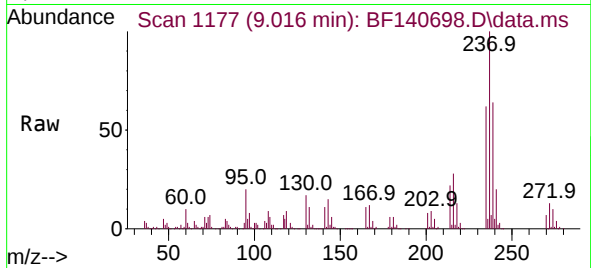




#41
Hexachlorocyclopentadiene
Concen: 169.623 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

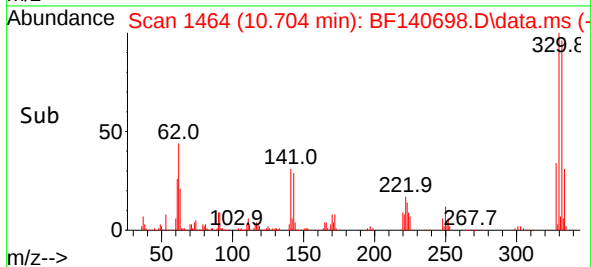
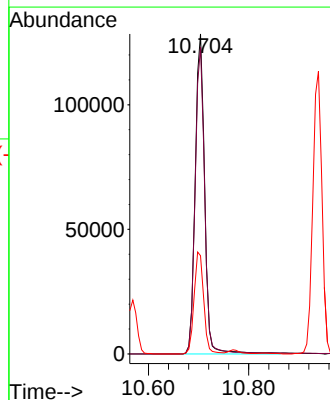
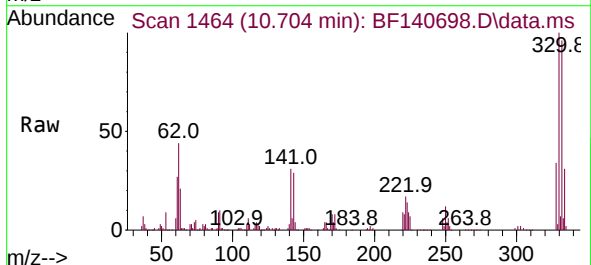
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:237 Resp: 209986
Ion Ratio Lower Upper
237 100
235 62.5 41.1 81.1
272 12.9 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 87.872 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:330 Resp: 167906
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 32.4 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 50.168 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

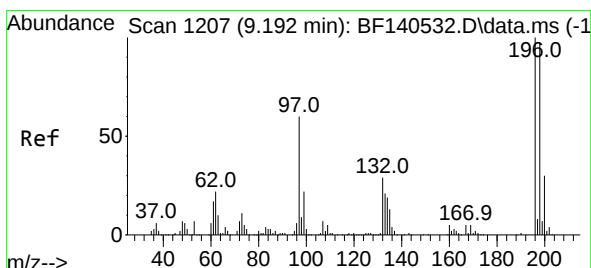
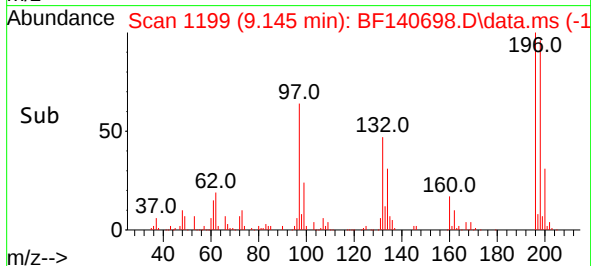
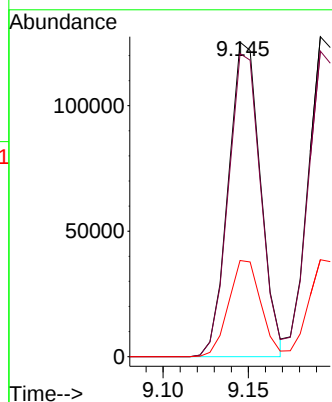
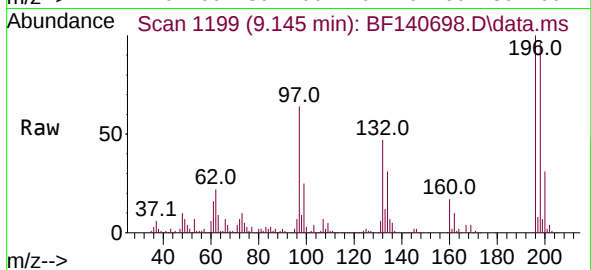
Tgt Ion:196 Resp: 164648

Ion Ratio Lower Upper

196 100

198 96.3 76.8 115.2

200 30.6 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 51.172 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Tgt Ion:196 Resp: 182267

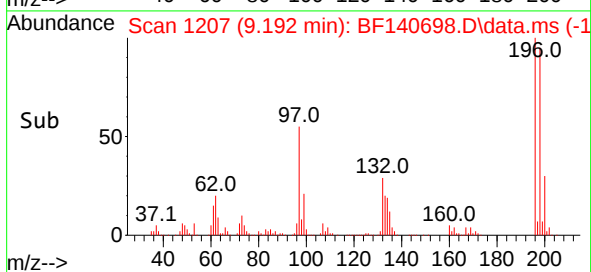
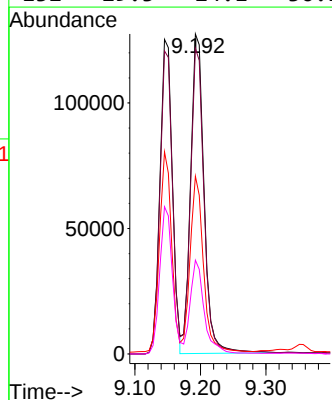
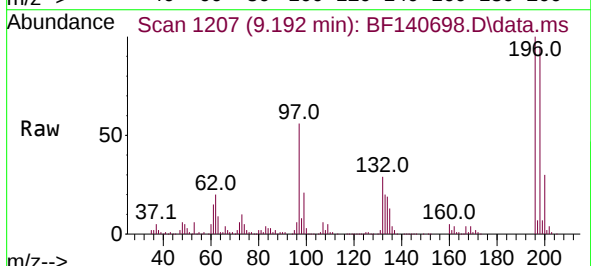
Ion Ratio Lower Upper

196 100

198 95.5 77.2 115.8

97 55.5 47.1 70.7

132 29.3 24.1 36.1

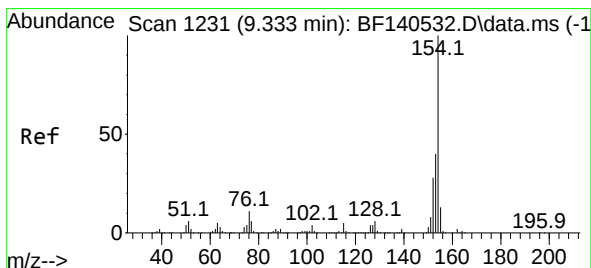
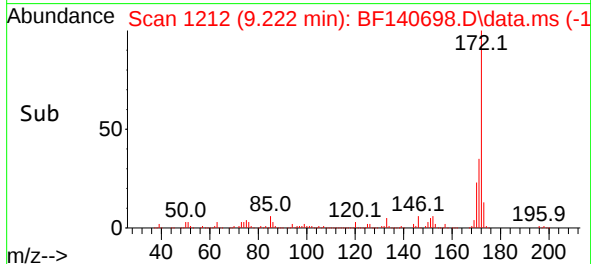
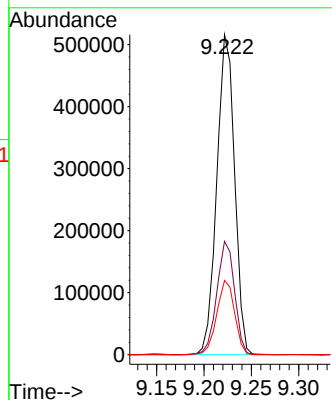
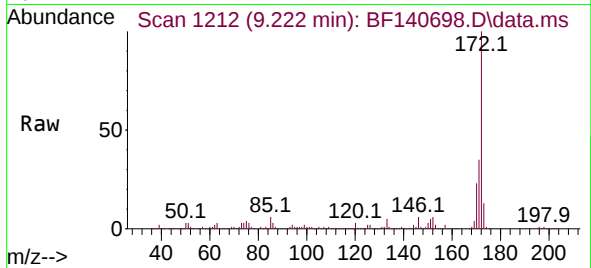




#45
2-Fluorobiphenyl
Concen: 56.389 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

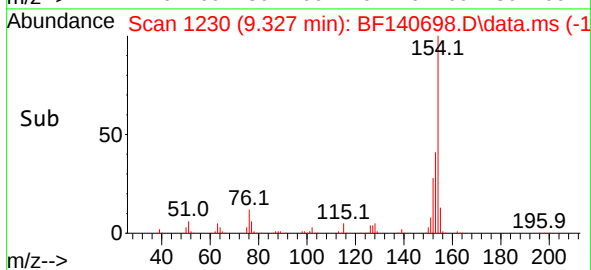
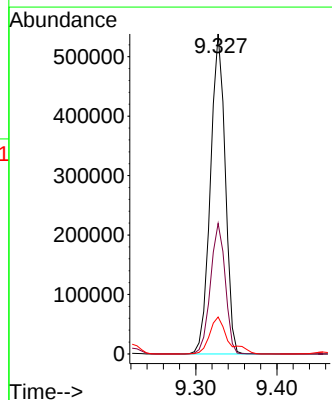
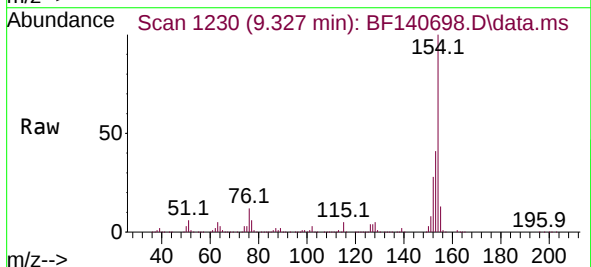
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:172 Resp: 676167
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.2 19.0 28.6



#46
1,1'-Biphenyl
Concen: 51.081 ng
RT: 9.327 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:154 Resp: 681374
Ion Ratio Lower Upper
154 100
153 40.8 20.4 60.4
76 11.6 0.0 31.2

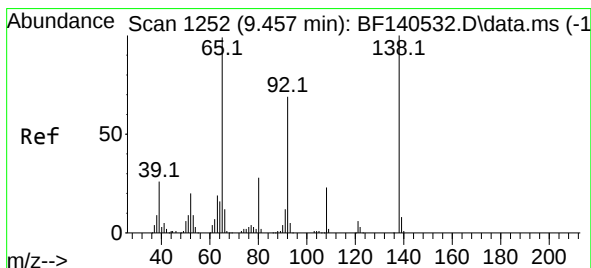
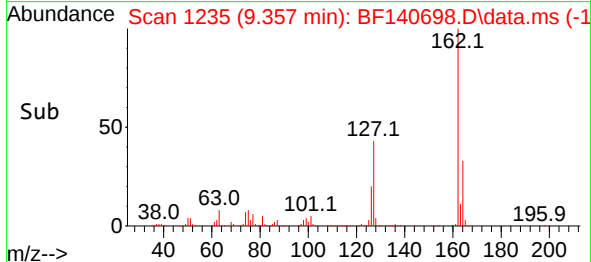
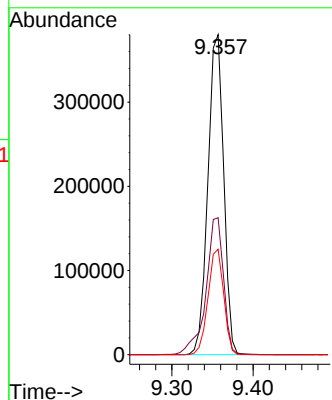
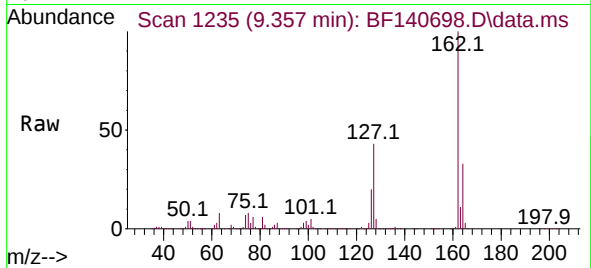




#47
2-Chloronaphthalene
Concen: 50.693 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

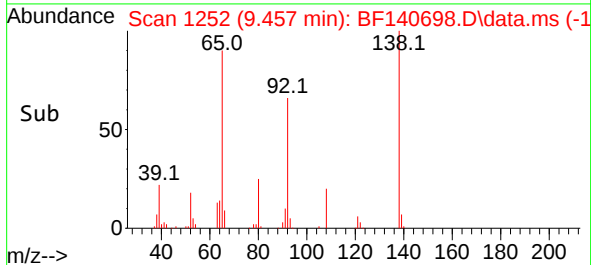
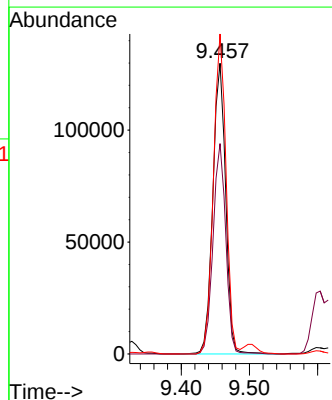
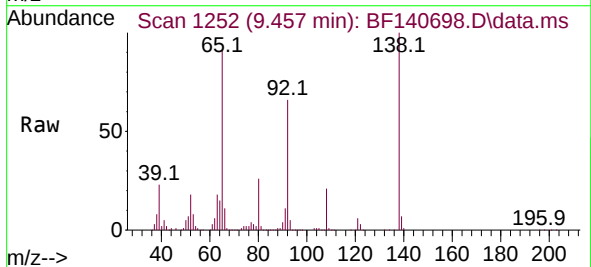
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

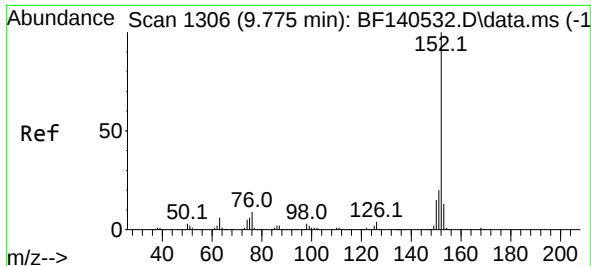
Tgt Ion:162 Resp: 512365
Ion Ratio Lower Upper
162 100
127 42.8 35.7 53.5
164 32.9 26.1 39.1



#48
2-Nitroaniline
Concen: 52.552 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 65 Resp: 170492
Ion Ratio Lower Upper
65 100
92 72.4 56.1 84.1
138 110.1 81.0 121.6





#49

Acenaphthylene

Concen: 54.938 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

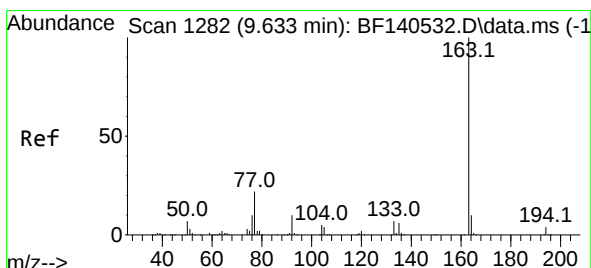
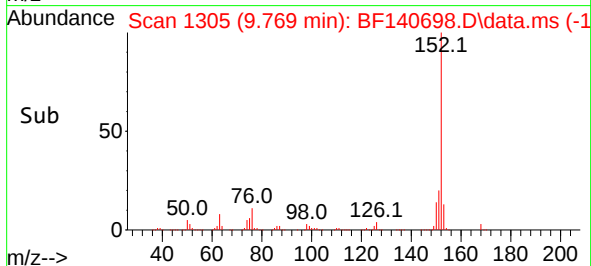
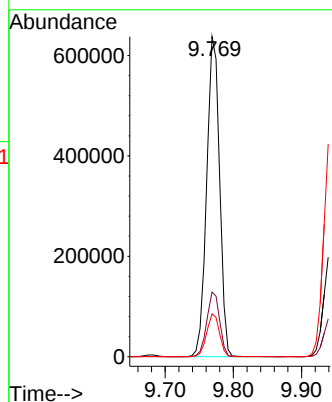
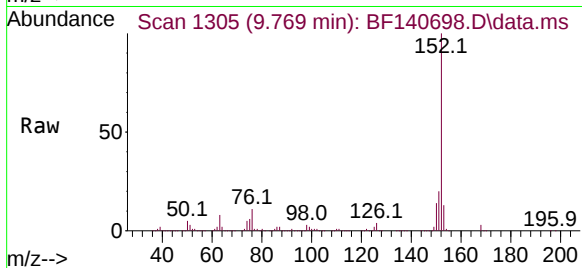
Tgt Ion:152 Resp: 838978

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.4 10.6 16.0



#50

Dimethylphthalate

Concen: 53.374 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

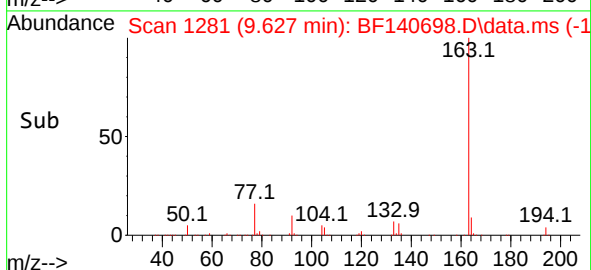
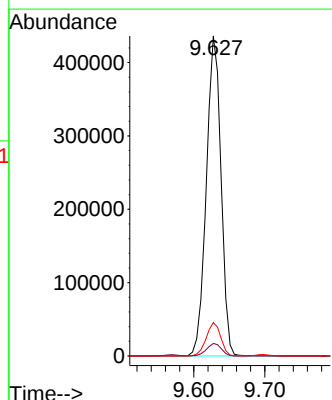
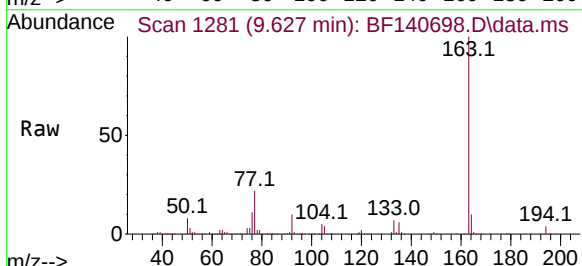
Tgt Ion:163 Resp: 628031

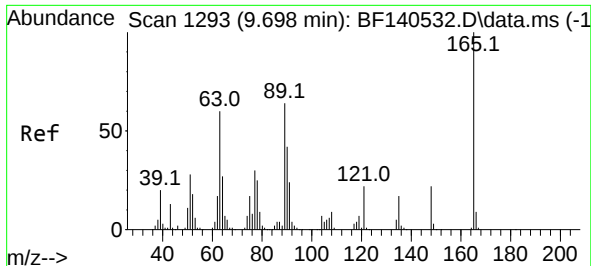
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.4 8.2 12.2

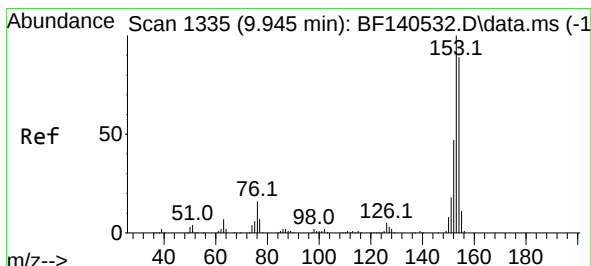
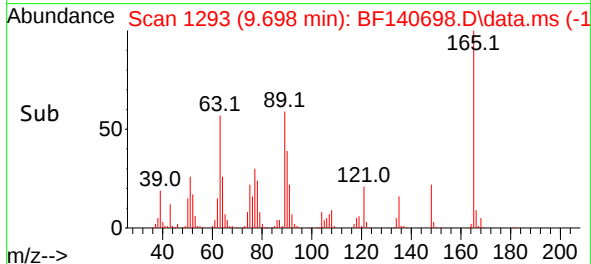
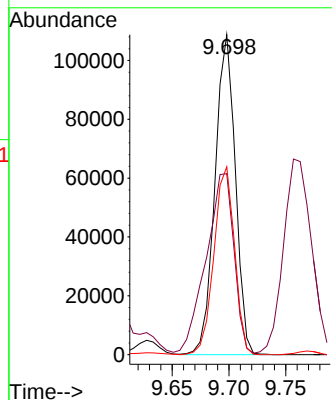
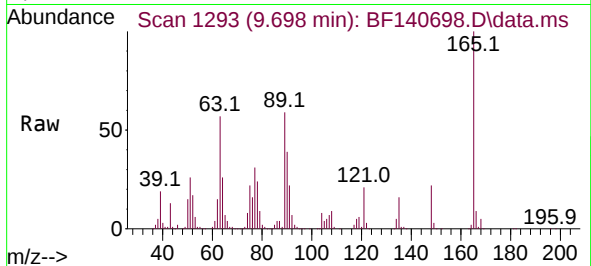




#51
2,6-Dinitrotoluene
Concen: 50.902 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

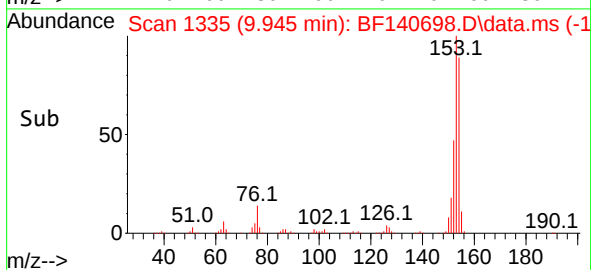
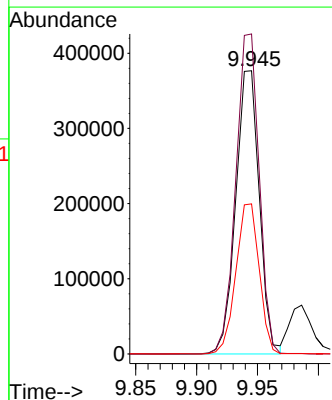
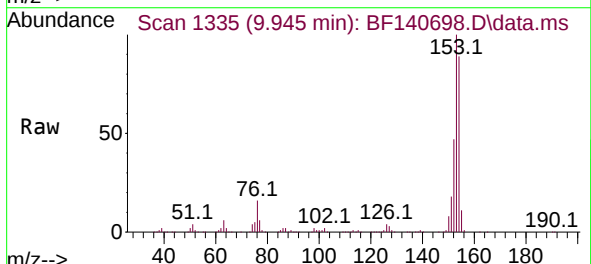
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

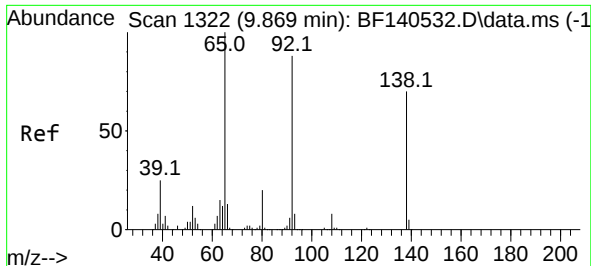
Tgt Ion:165 Resp: 135837
Ion Ratio Lower Upper
165 100
63 56.5 49.9 74.9
89 58.7 50.9 76.3



#52
Acenaphthene
Concen: 52.433 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:154 Resp: 508773
Ion Ratio Lower Upper
154 100
153 113.0 89.7 134.5
152 53.0 42.5 63.7

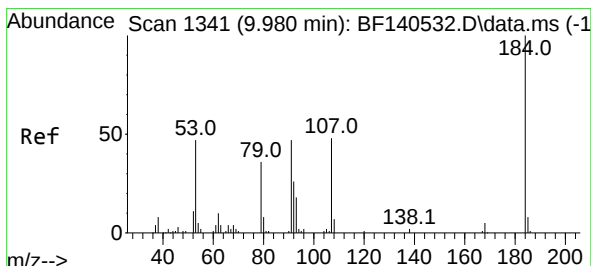
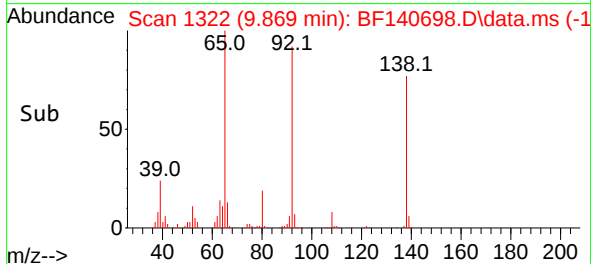
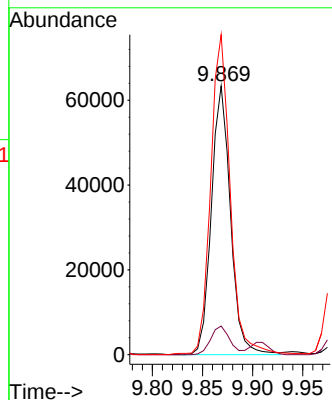
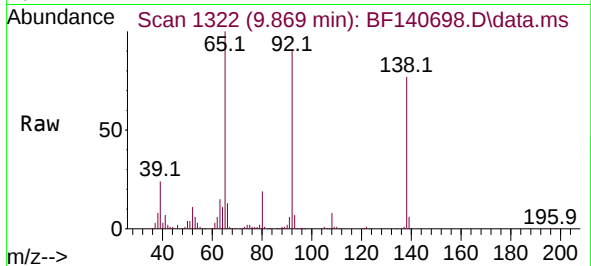




#53
3-Nitroaniline
Concen: 32.233 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

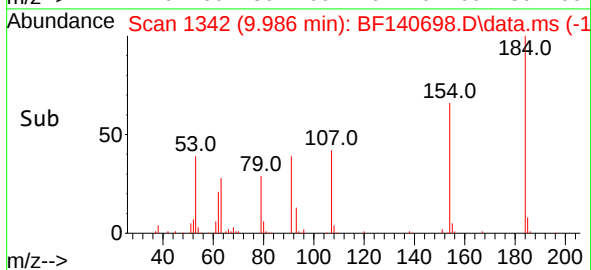
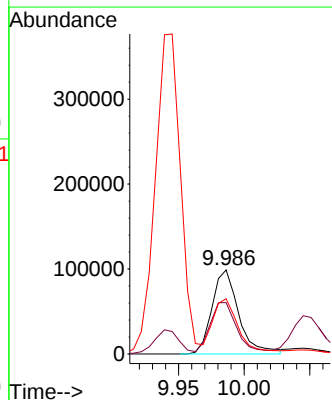
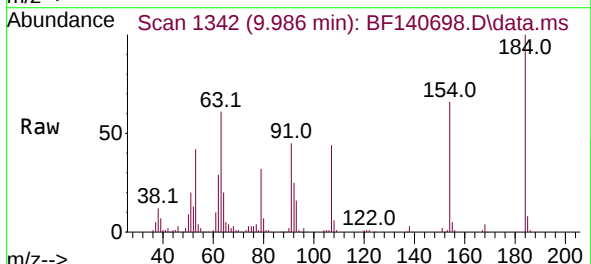
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

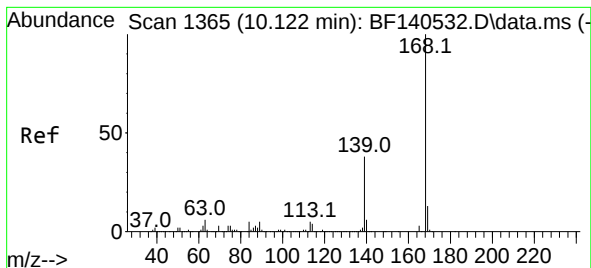
Tgt Ion:138 Resp: 84129
Ion Ratio Lower Upper
138 100
108 10.7 9.2 13.8
92 119.1 100.6 150.8



#54
2,4-Dinitrophenol
Concen: 99.320 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:184 Resp: 140162
Ion Ratio Lower Upper
184 100
63 61.1 54.1 81.1
154 65.7 57.4 86.0





#55

Dibenzenofuran

Concen: 51.875 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

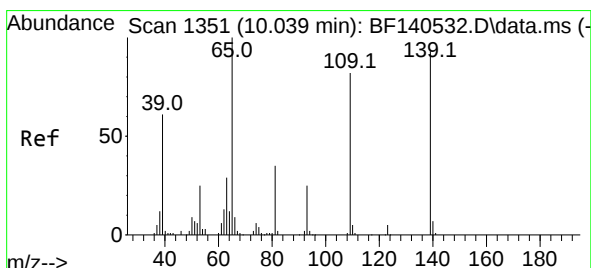
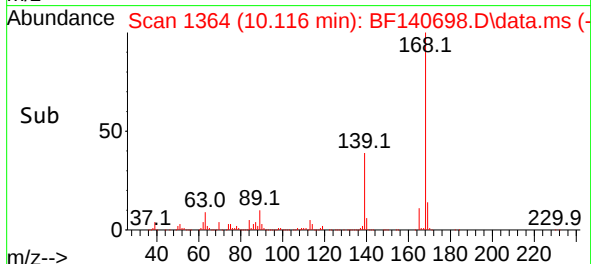
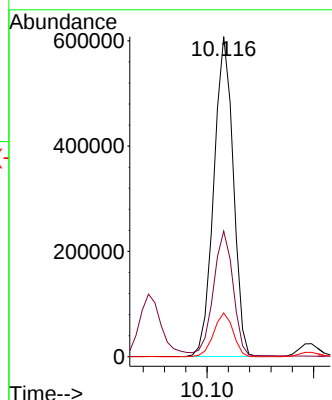
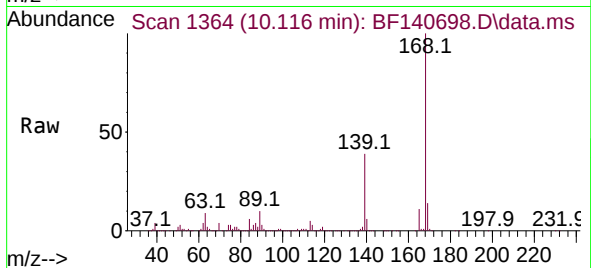
Tgt Ion:168 Resp: 767785

Ion Ratio Lower Upper

168 100

139 39.2 31.3 46.9

169 13.7 10.5 15.7



#56

4-Nitrophenol

Concen: 97.394 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

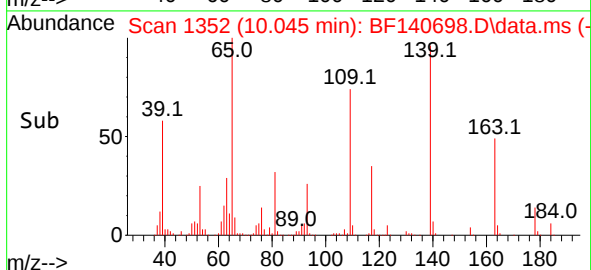
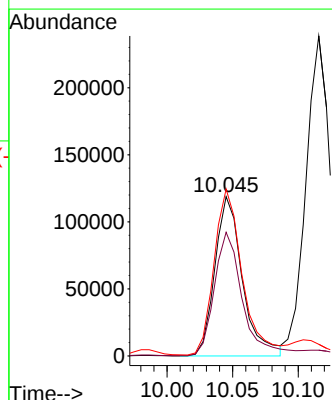
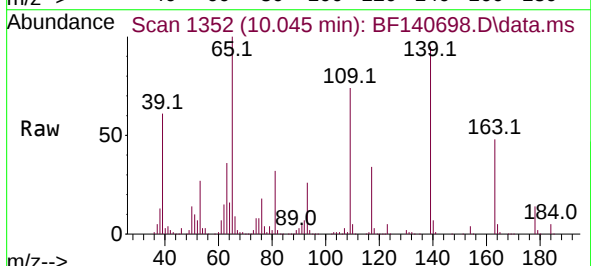
Tgt Ion:139 Resp: 173362

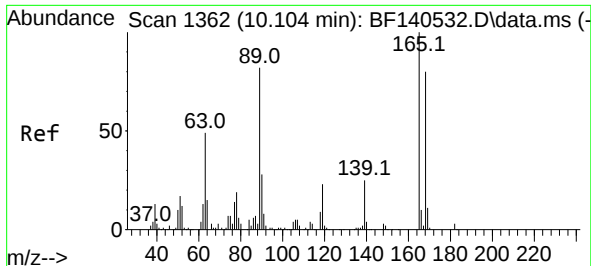
Ion Ratio Lower Upper

139 100

109 77.6 68.4 108.4

65 104.7 88.6 128.6

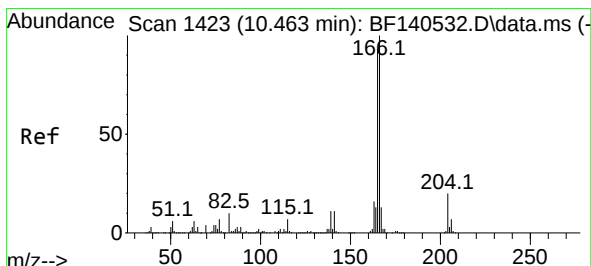
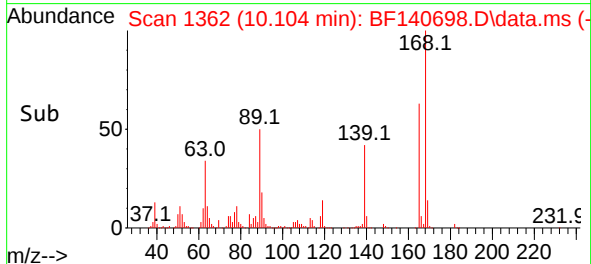
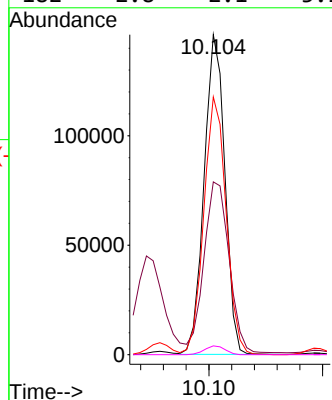
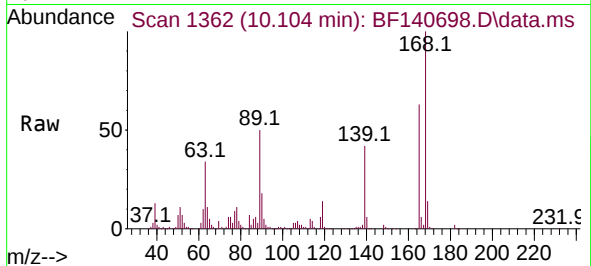




#57
2,4-Dinitrotoluene
Concen: 52.099 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

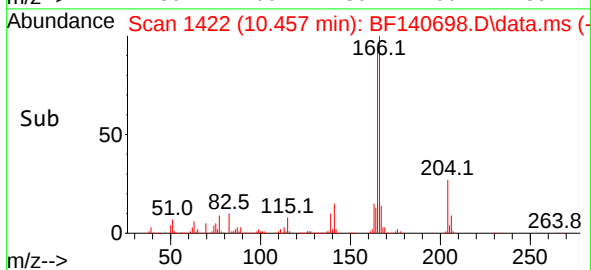
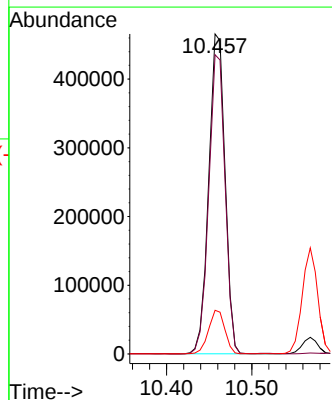
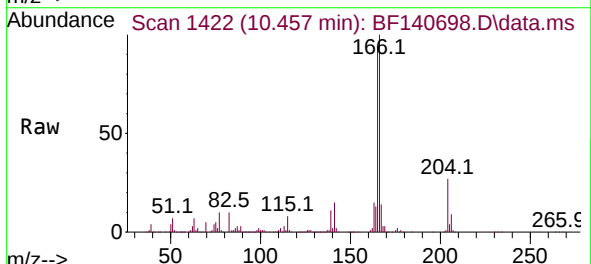
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:165 Resp: 184775
Ion Ratio Lower Upper
165 100
63 54.0 41.7 62.5
89 80.6 65.8 98.8
182 2.8 2.1 3.1



#58
Fluorene
Concen: 52.086 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:166 Resp: 618783
Ion Ratio Lower Upper
166 100
165 93.5 74.6 111.8
167 13.7 10.6 16.0

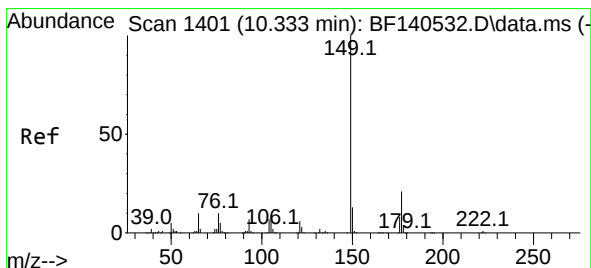
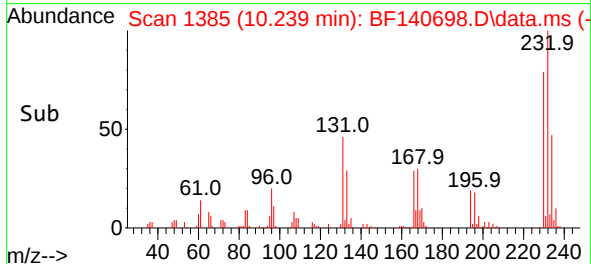
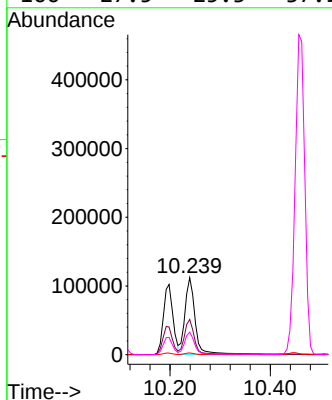
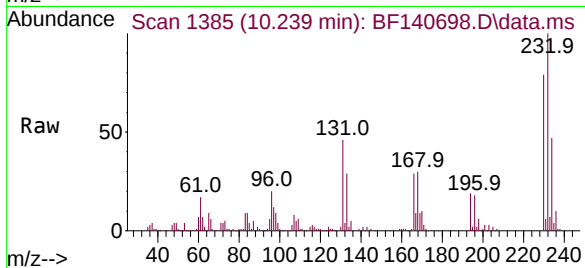




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.488 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

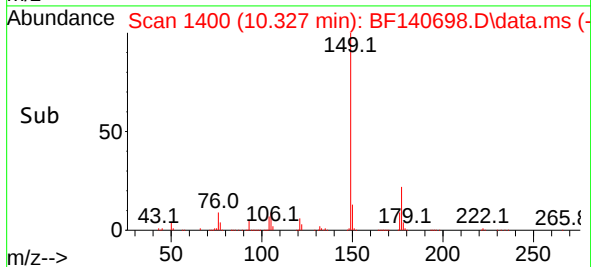
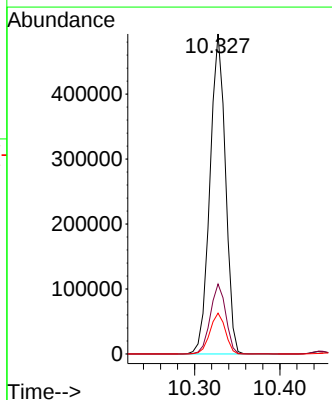
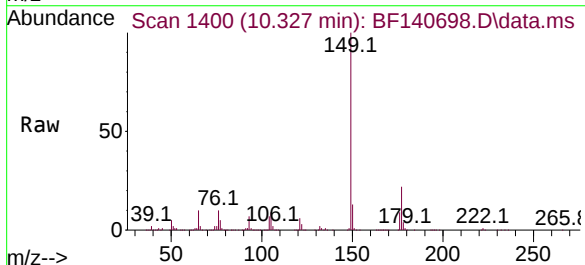
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

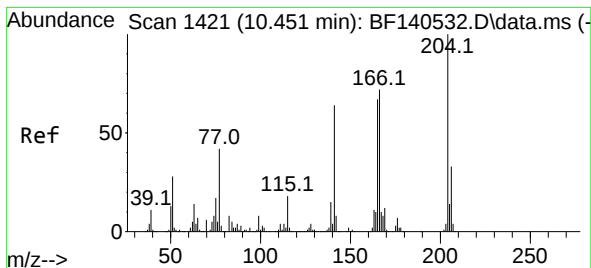
Tgt Ion:232 Resp: 157369
Ion Ratio Lower Upper
232 100
131 44.3 39.6 59.4
130 2.5 1.9 2.9
166 27.5 25.3 37.9



#60
Diethylphthalate
Concen: 52.037 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:149 Resp: 622107
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.8 10.1 15.1

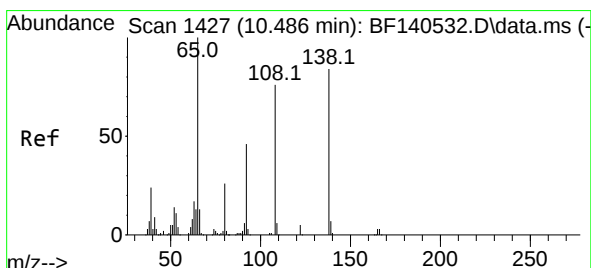
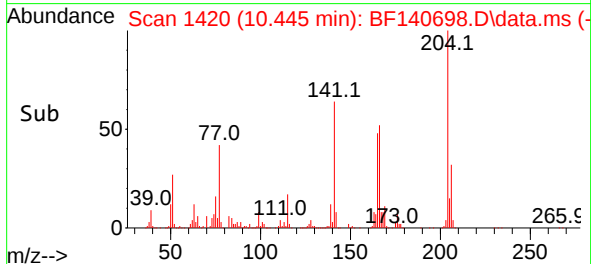
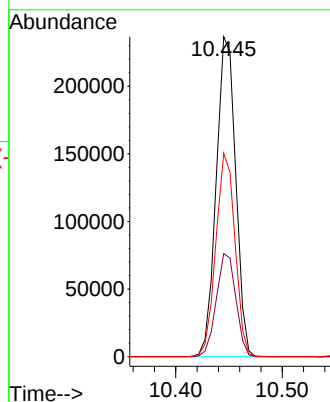
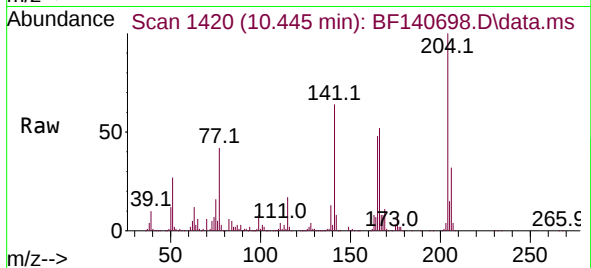




#61
4-Chlorophenyl-phenylether
Concen: 51.493 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

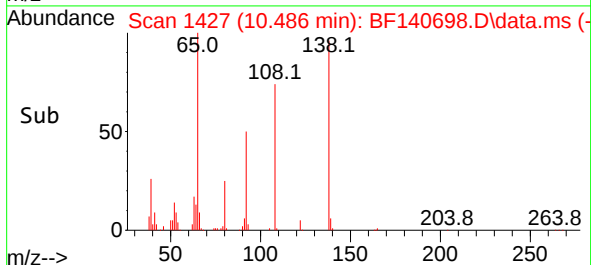
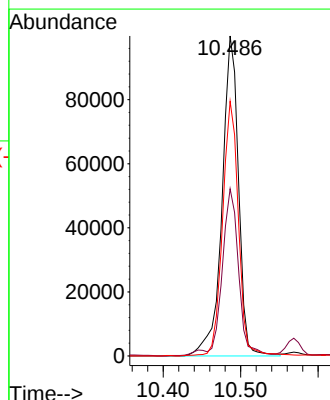
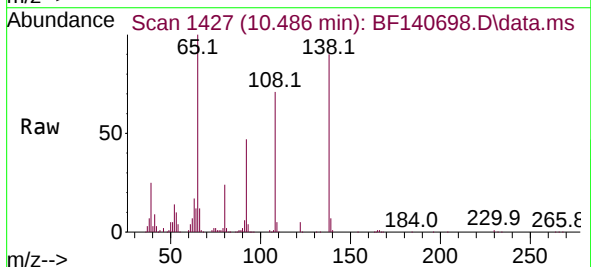
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

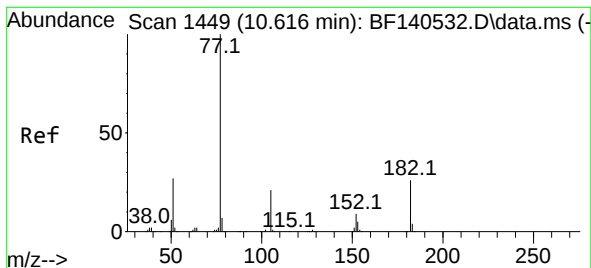
Tgt Ion:204 Resp: 300216
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 63.6 51.1 76.7



#62
4-Nitroaniline
Concen: 53.983 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:138 Resp: 147772
Ion Ratio Lower Upper
138 100
92 52.3 34.5 74.5
108 79.6 70.6 110.6





#63

Azobenzene

Concen: 56.714 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 77 Resp: 642082

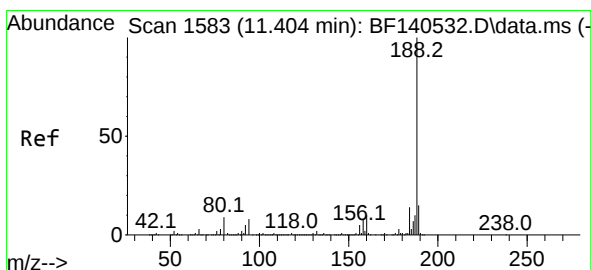
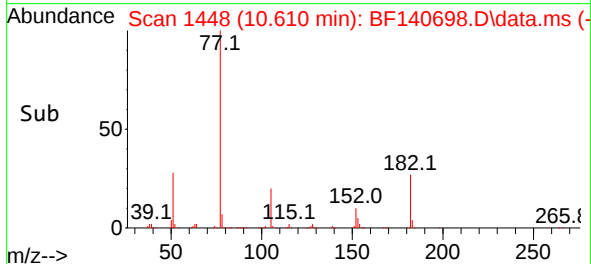
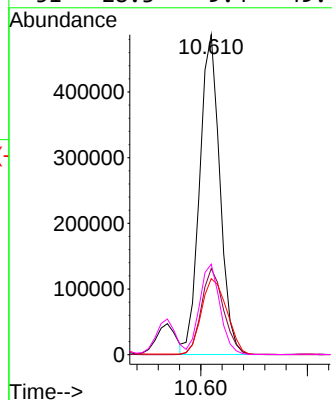
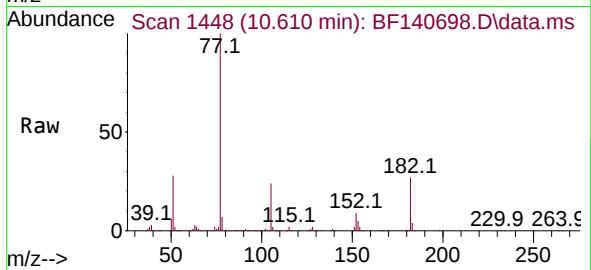
Ion Ratio Lower Upper

77 100

182 26.9 5.3 45.3

105 23.7 0.3 40.3

51 28.3 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: BF140698.D

Acq: 02 Dec 2024 19:23

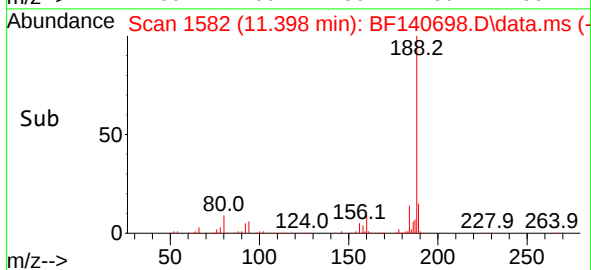
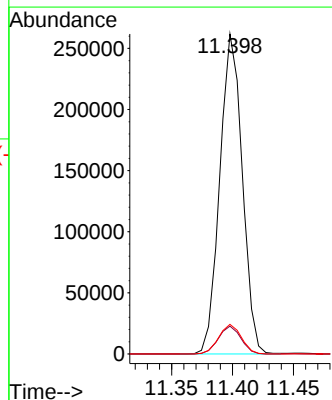
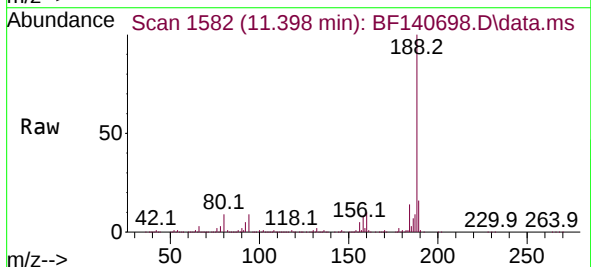
Tgt Ion: 188 Resp: 336781

Ion Ratio Lower Upper

188 100

94 8.7 6.4 9.6

80 9.2 6.9 10.3

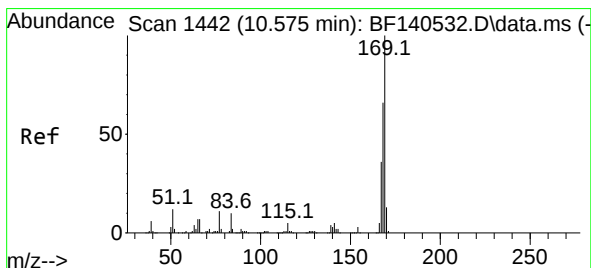
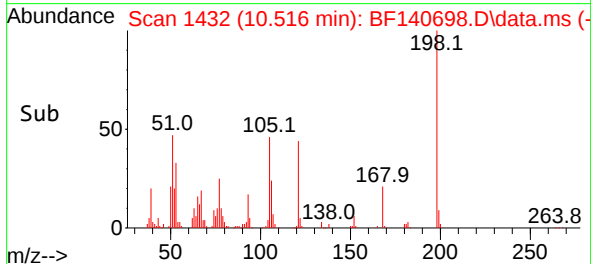
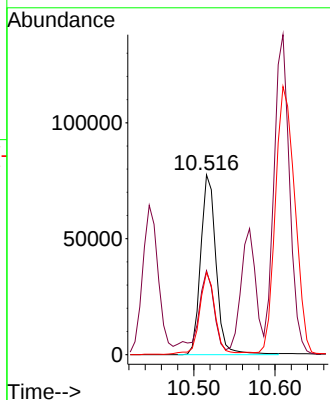
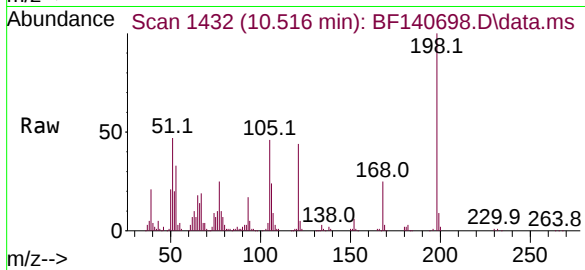




#65
4,6-Dinitro-2-methylphenol
Concen: 59.443 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

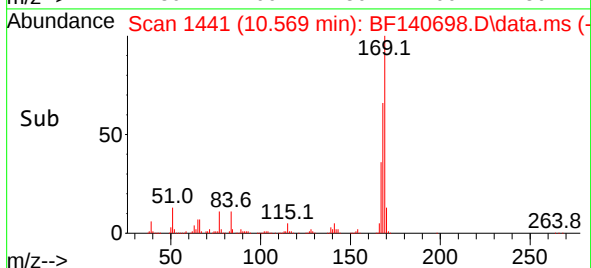
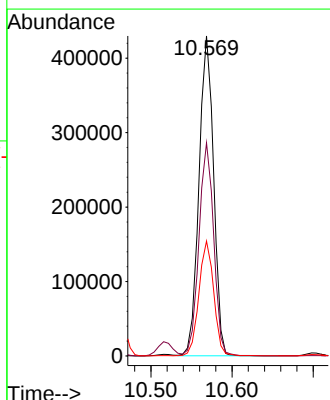
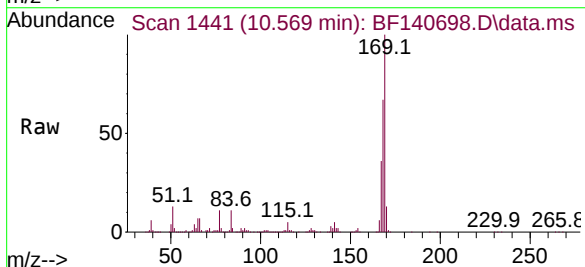
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

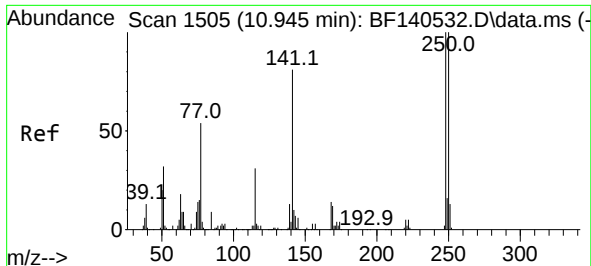
Tgt Ion:198 Resp: 102299
Ion Ratio Lower Upper
198 100
51 46.7 29.4 69.4
105 45.9 25.4 65.4



#66
n-Nitrosodiphenylamine
Concen: 53.925 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:169 Resp: 537070
Ion Ratio Lower Upper
169 100
168 66.6 53.2 79.8
167 35.9 29.0 43.6

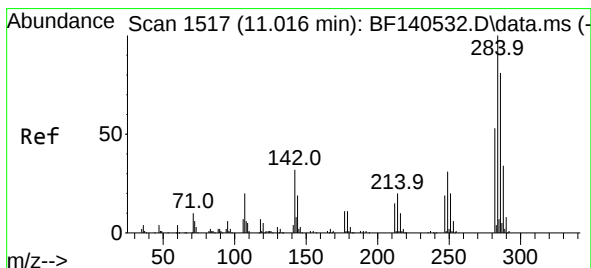
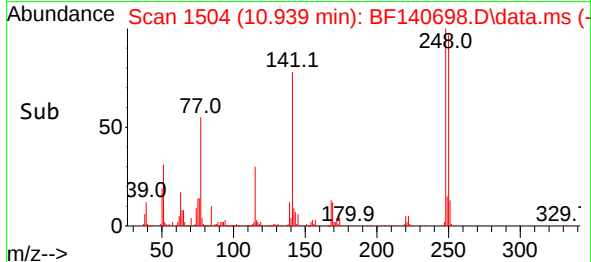
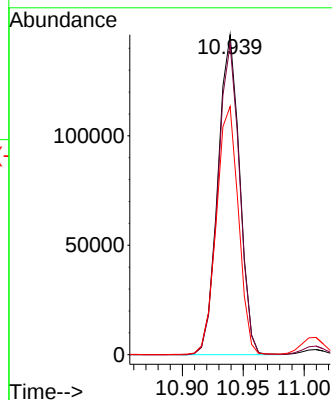
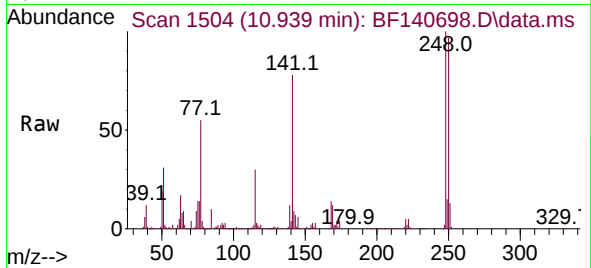




#67
4-Bromophenyl-phenylether
Concen: 52.335 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

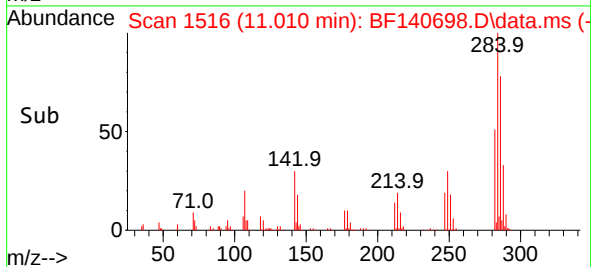
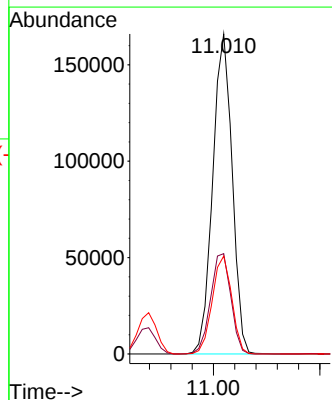
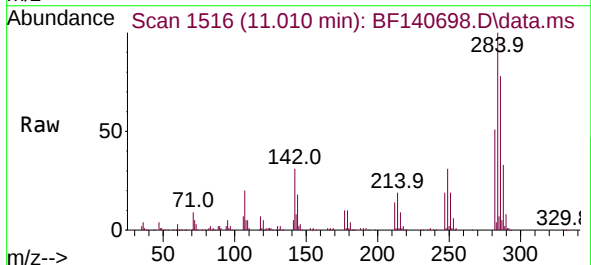
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:248 Resp: 181516
Ion Ratio Lower Upper
248 100
250 97.0 79.8 119.8
141 77.5 64.7 97.1



#68
Hexachlorobenzene
Concen: 52.248 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:284 Resp: 209827
Ion Ratio Lower Upper
284 100
142 31.4 25.3 37.9
249 30.6 24.8 37.2





#69

Atrazine

Concen: 63.217 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

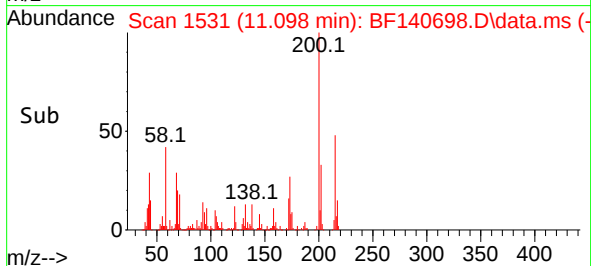
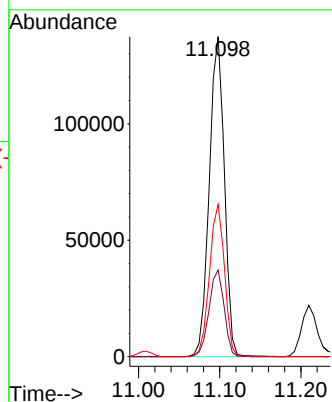
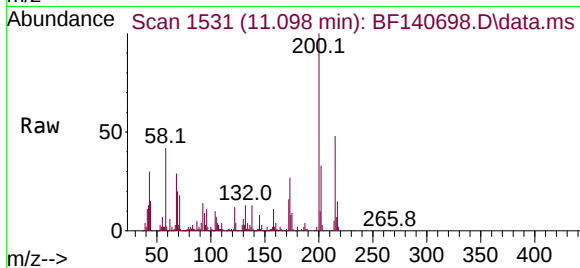
Tgt Ion:200 Resp: 177122

Ion Ratio Lower Upper

200 100

173 27.1 7.0 47.0

215 47.5 26.7 66.7



#70

Pentachlorophenol

Concen: 98.286 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

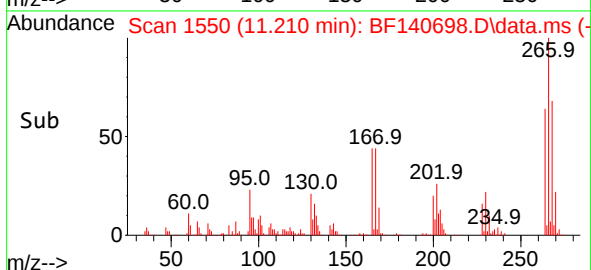
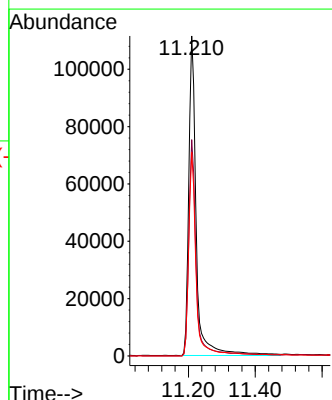
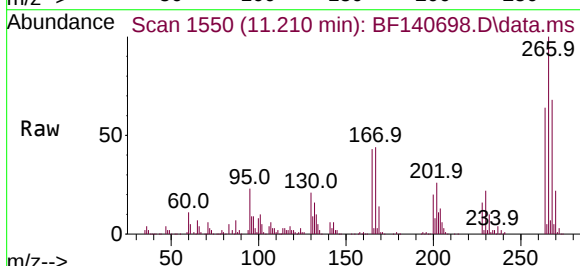
Tgt Ion:266 Resp: 173723

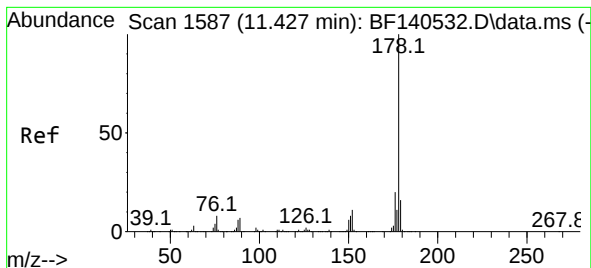
Ion Ratio Lower Upper

266 100

268 67.6 53.7 80.5

264 63.6 49.8 74.8





#71

Phenanthrene

Concen: 54.541 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

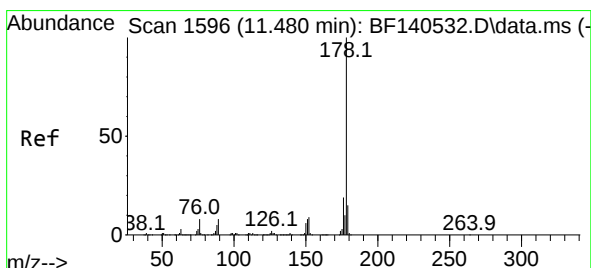
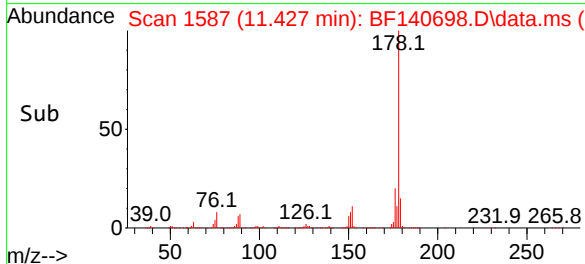
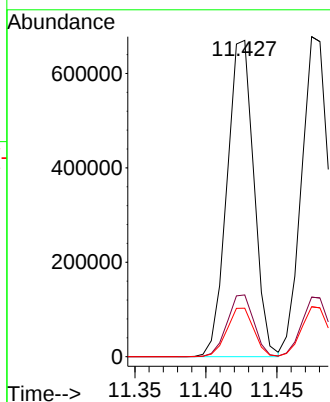
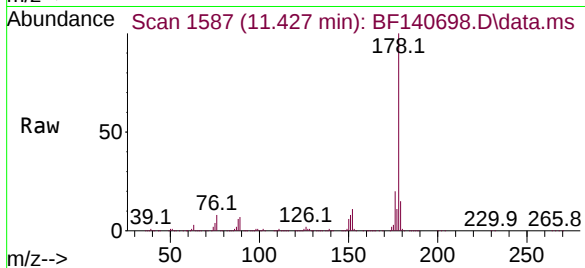
Tgt Ion:178 Resp: 882952

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.6

179 15.3 12.4 18.6



#72

Anthracene

Concen: 56.872 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

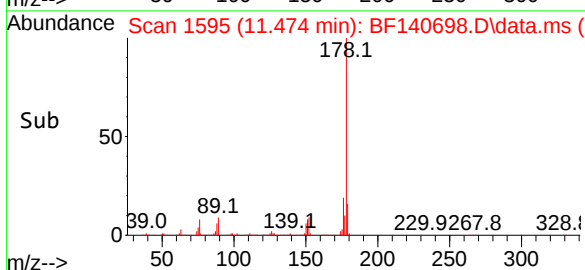
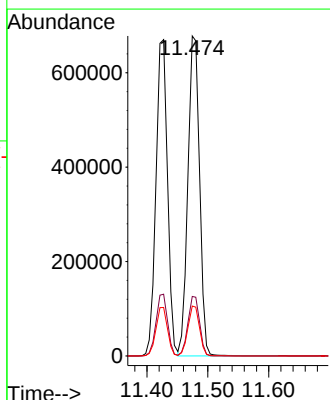
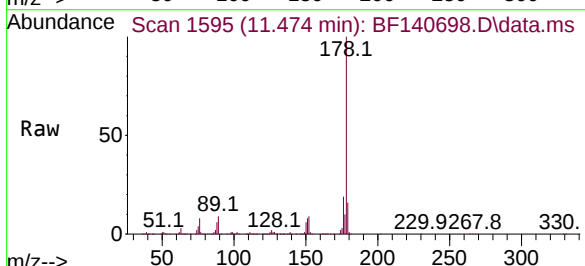
Tgt Ion:178 Resp: 900612

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.6 12.2 18.4





#73

Carbazole

Concen: 54.503 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

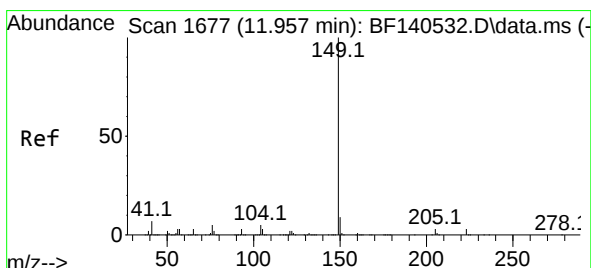
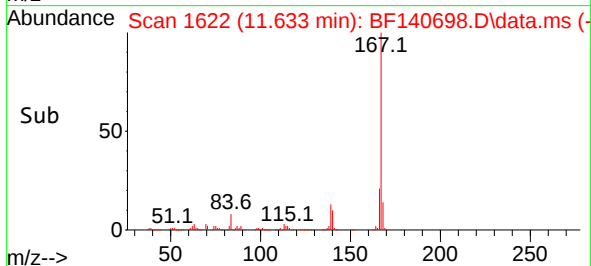
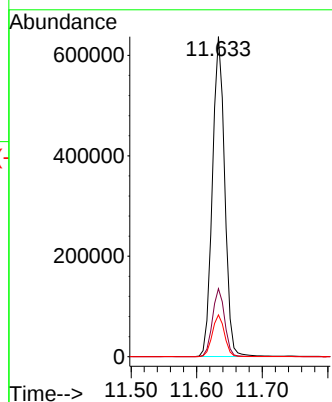
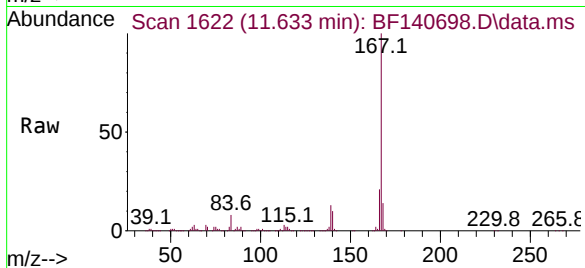
Tgt Ion:167 Resp: 830304

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 13.1 10.6 15.8



#74

Di-n-butylphthalate

Concen: 54.987 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

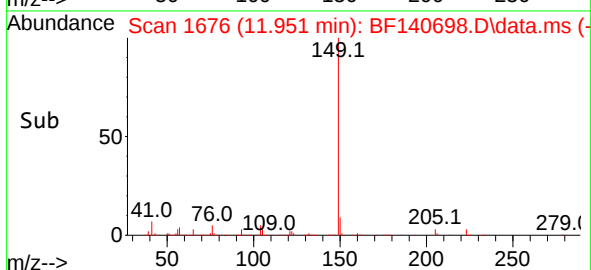
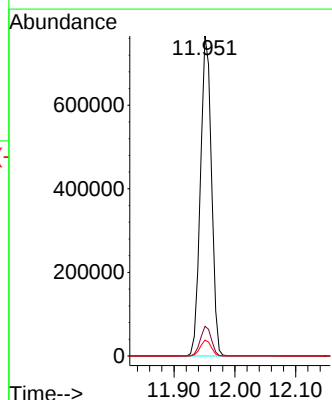
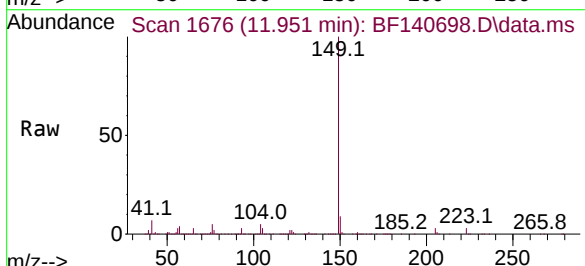
Tgt Ion:149 Resp: 967085

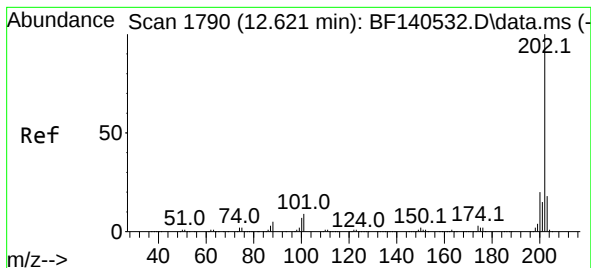
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 5.0 4.1 6.1





#75

Fluoranthene

Concen: 56.154 ng

RT: 12.615 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

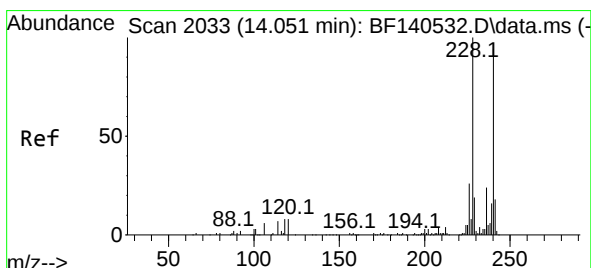
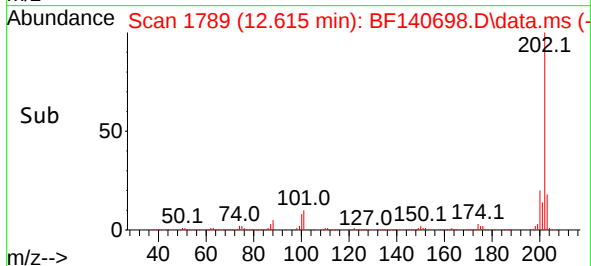
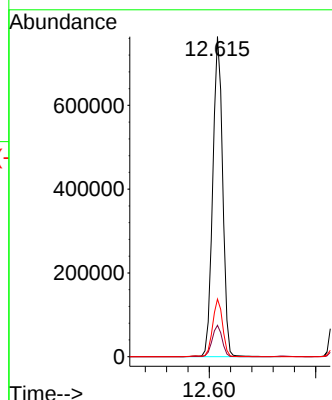
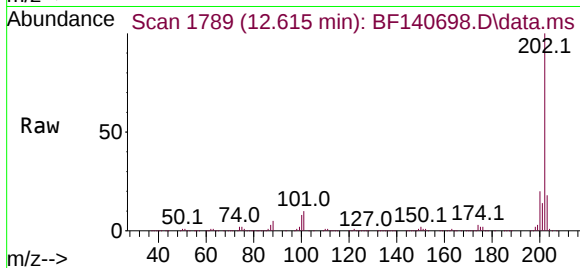
Tgt Ion:202 Resp: 987002

Ion Ratio Lower Upper

202 100

101 9.8 0.0 28.9

203 18.0 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: BF140698.D

Acq: 02 Dec 2024 19:23

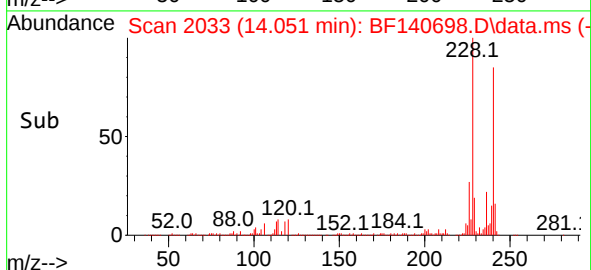
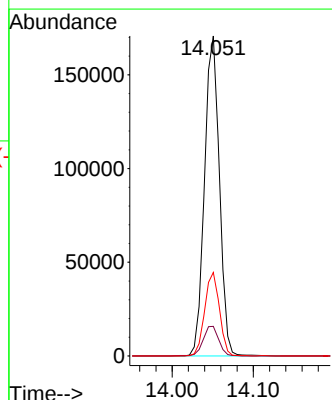
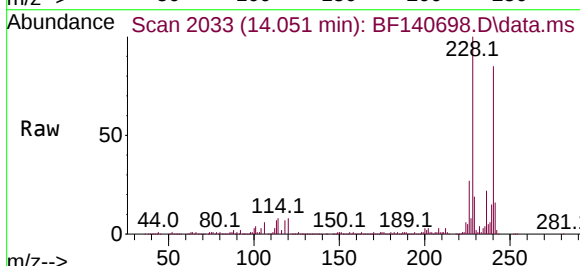
Tgt Ion:240 Resp: 217135

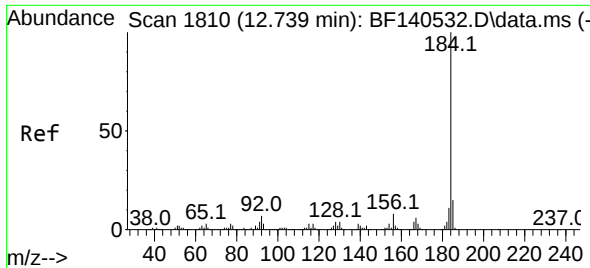
Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 26.1 20.6 31.0

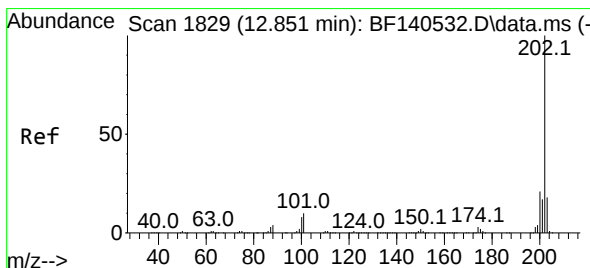
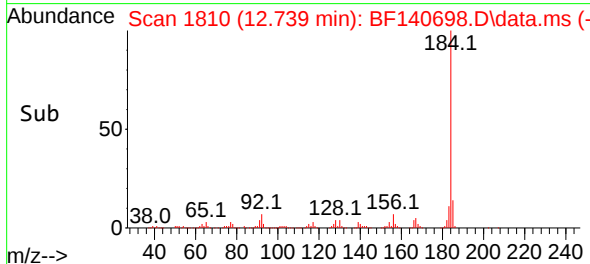
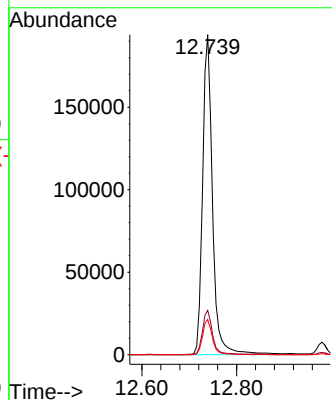
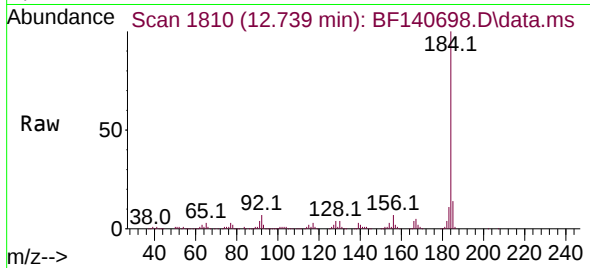




#77
Benzidine
Concen: 44.847 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

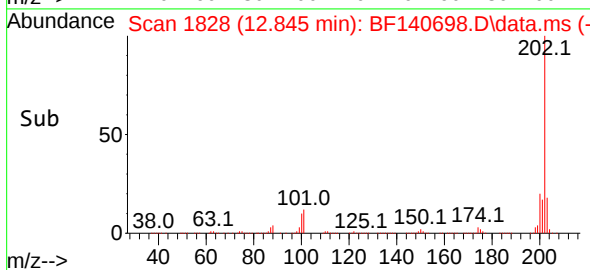
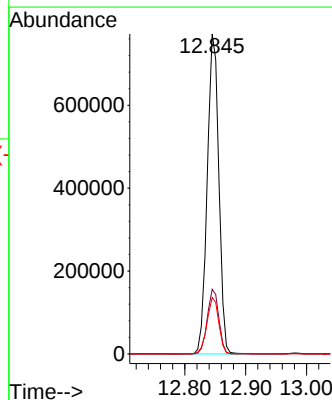
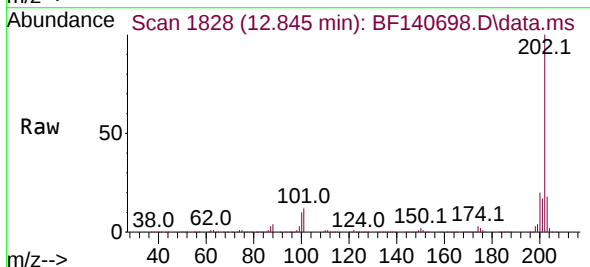
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

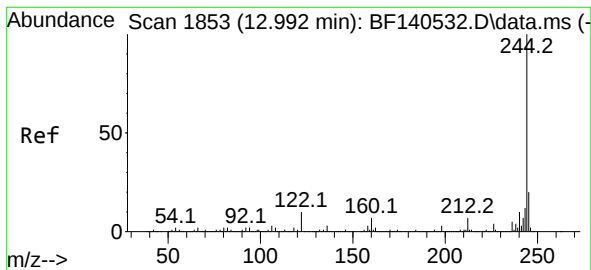
Tgt Ion:184 Resp: 283123
Ion Ratio Lower Upper
184 100
185 13.9 11.7 17.5
183 11.0 8.8 13.2



#78
Pyrene
Concen: 50.675 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:202 Resp: 1017400
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 51.240 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

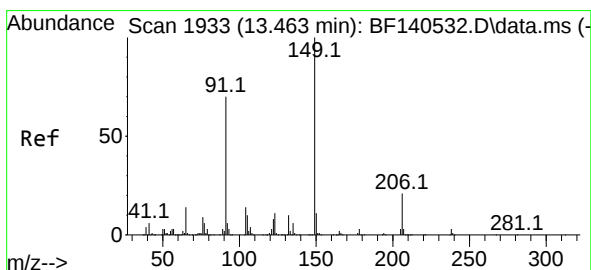
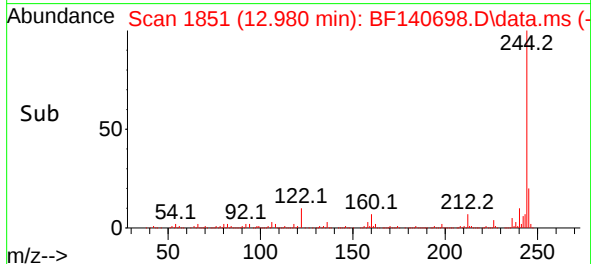
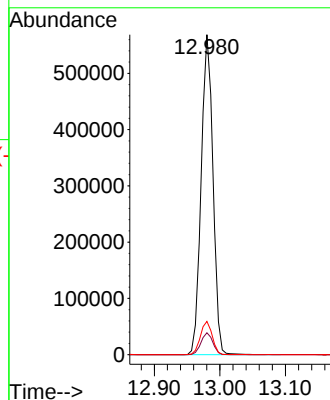
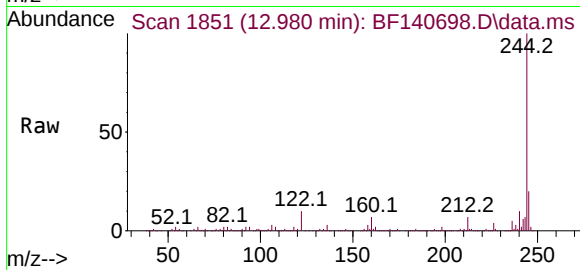
Tgt Ion:244 Resp: 714513

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.4 8.0 12.0



#80

Butylbenzylphthalate

Concen: 53.857 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

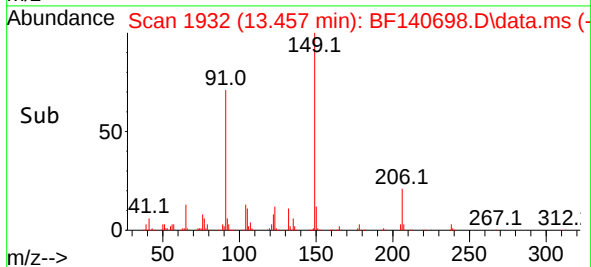
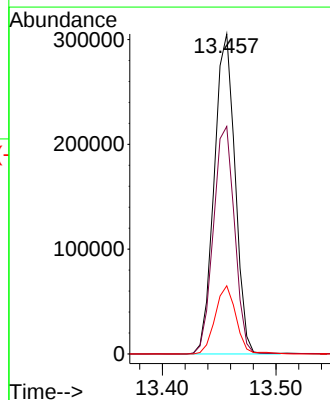
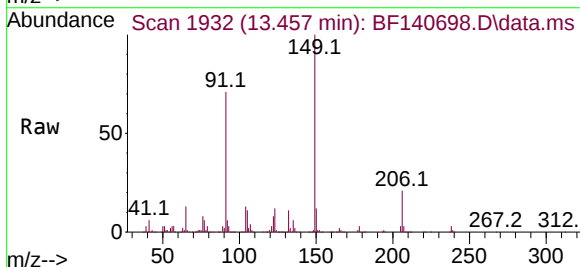
Tgt Ion:149 Resp: 389520

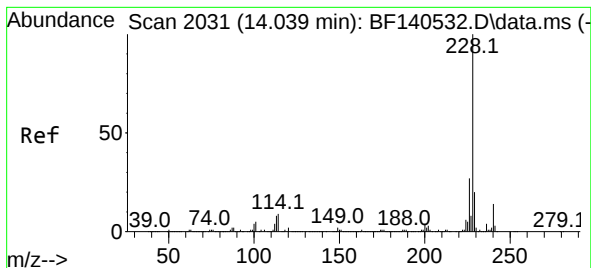
Ion Ratio Lower Upper

149 100

91 71.1 56.2 84.2

206 21.3 16.4 24.6





#81

Benzo(a)anthracene

Concen: 54.506 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

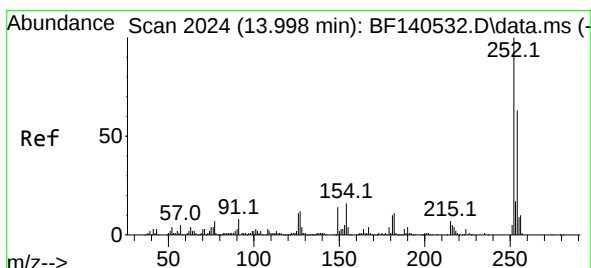
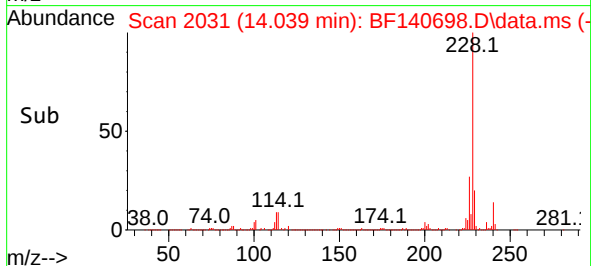
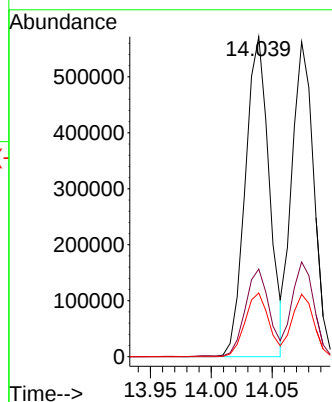
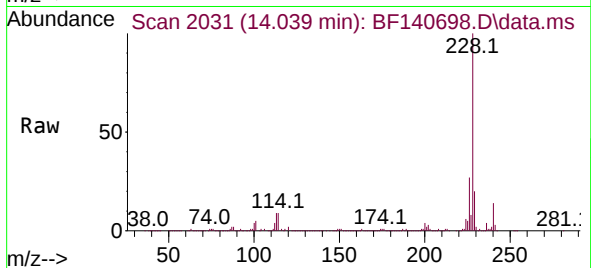
Tgt Ion:228 Resp: 783436

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 19.9 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 31.265 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

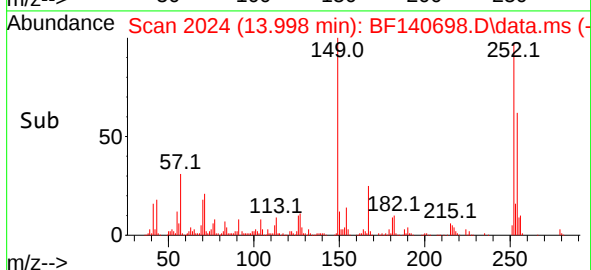
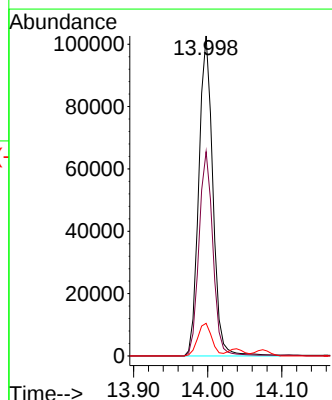
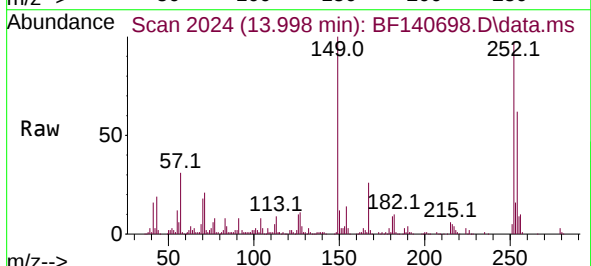
Tgt Ion:252 Resp: 134922

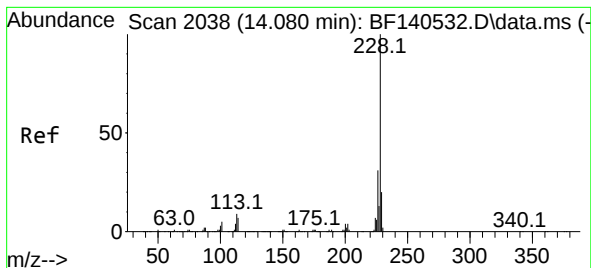
Ion Ratio Lower Upper

252 100

254 63.9 50.8 76.2

126 10.2 8.6 13.0





#83

Chrysene

Concen: 53.762 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

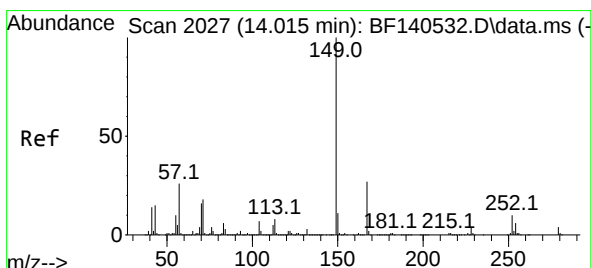
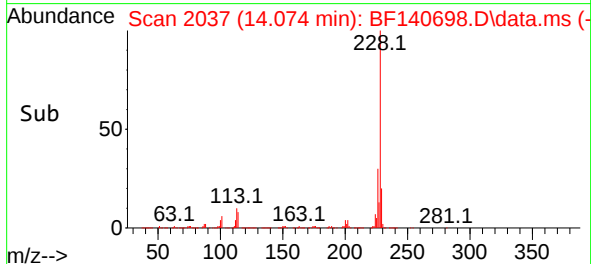
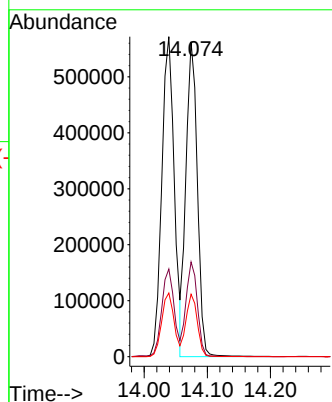
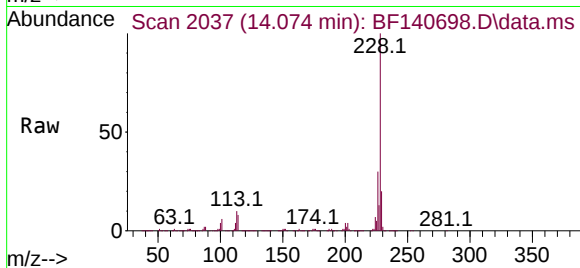
Tgt Ion:228 Resp: 706592

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.702 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

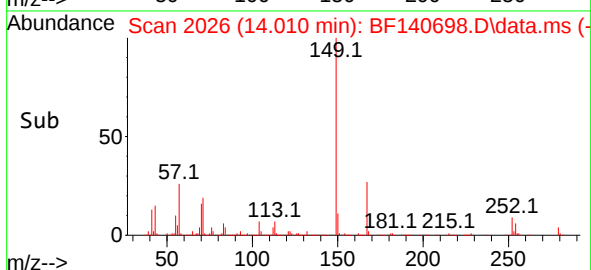
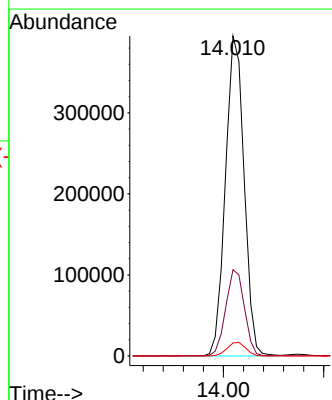
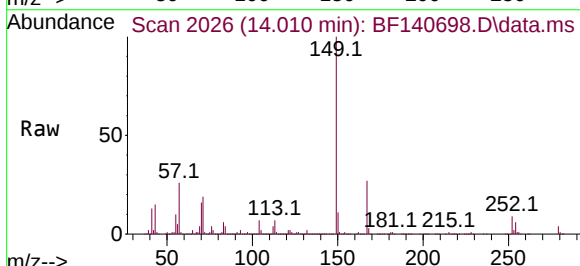
Tgt Ion:149 Resp: 508699

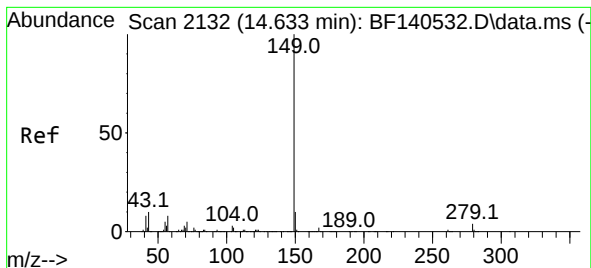
Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

279 4.1 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 57.216 ng

RT: 14.633 min Scan# 2132

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

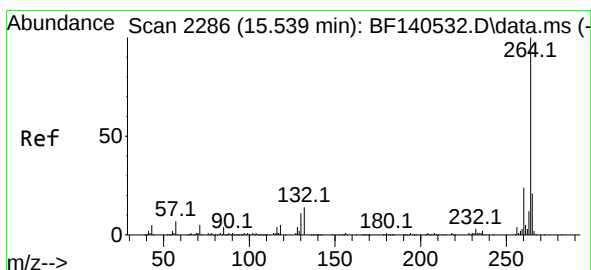
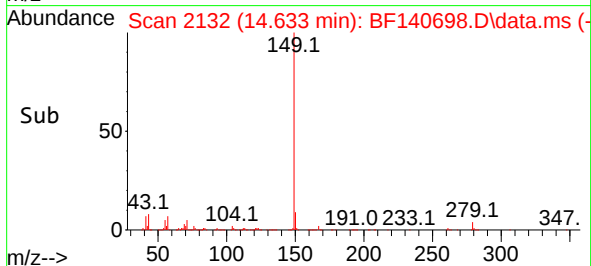
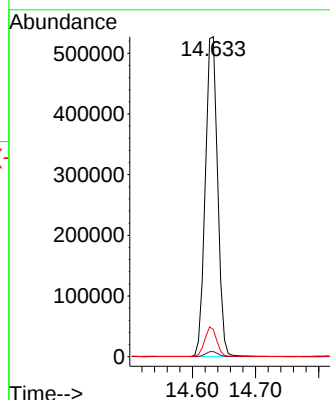
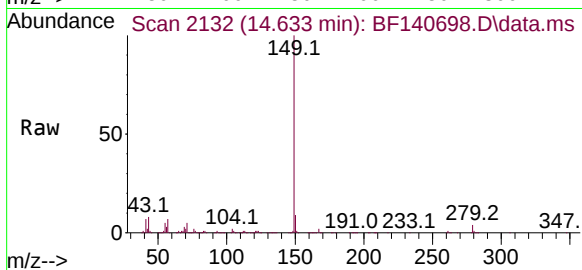
Tgt Ion:149 Resp: 714100

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.9 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: BF140698.D

Acq: 02 Dec 2024 19:23

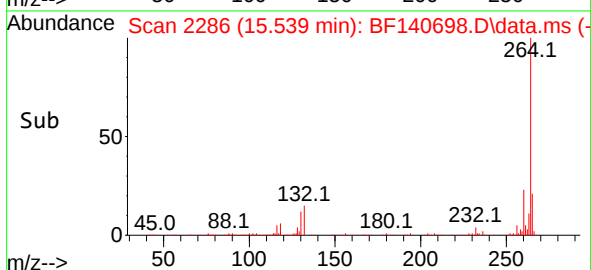
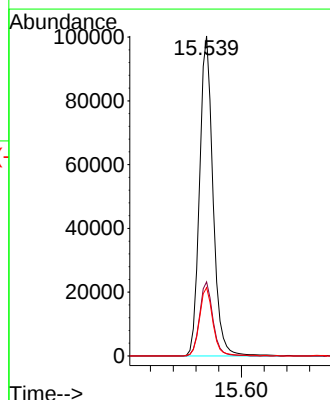
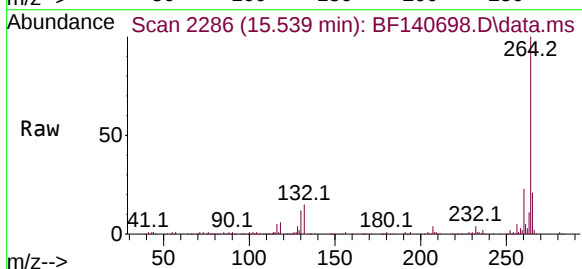
Tgt Ion:264 Resp: 164773

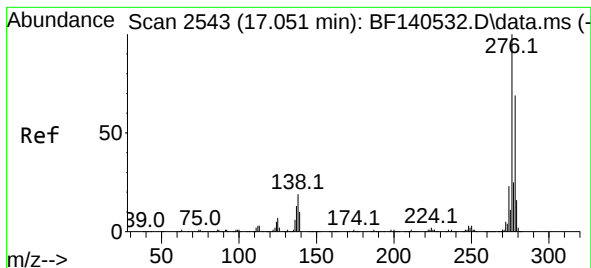
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 21.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.099 ng

RT: 17.056 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

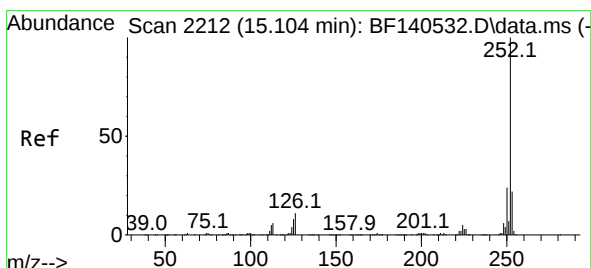
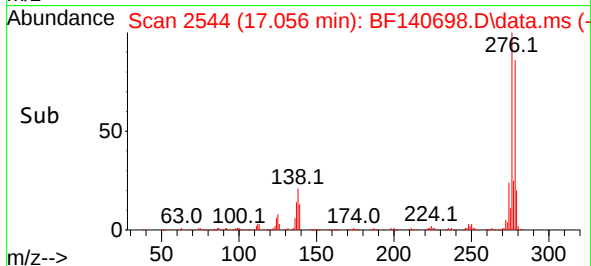
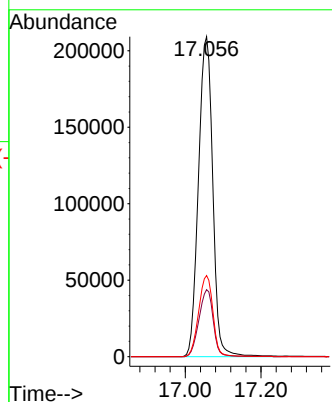
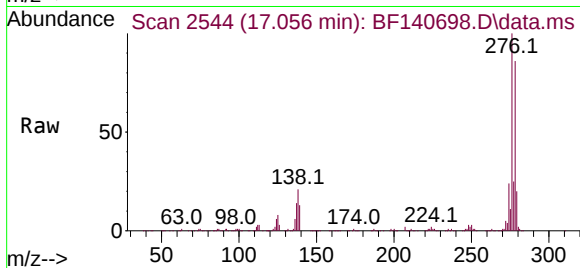
Tgt Ion:276 Resp: 548707

Ion Ratio Lower Upper

276 100

138 20.9 15.5 23.3

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 56.623 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

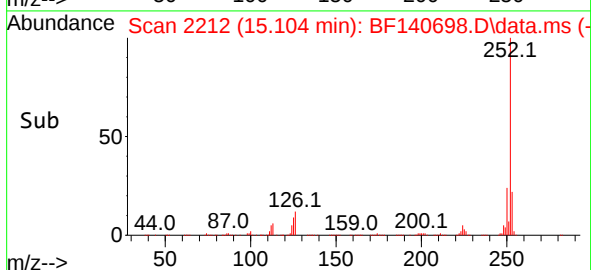
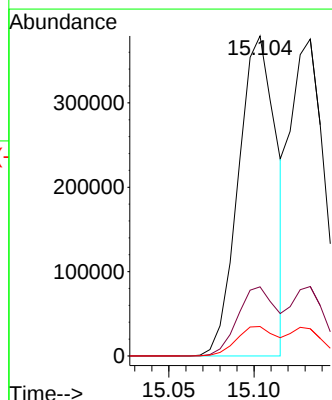
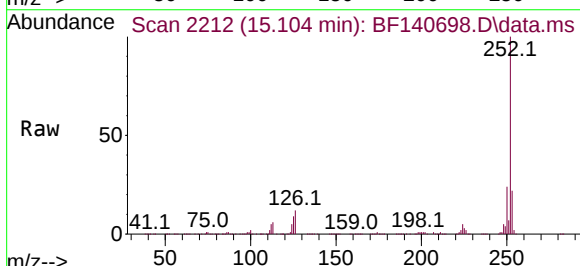
Tgt Ion:252 Resp: 586026

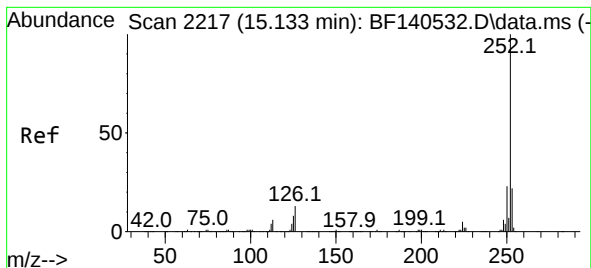
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 9.2 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 57.740 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

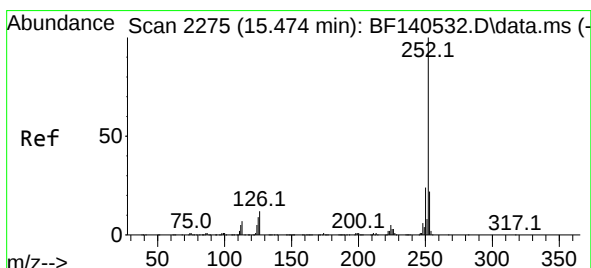
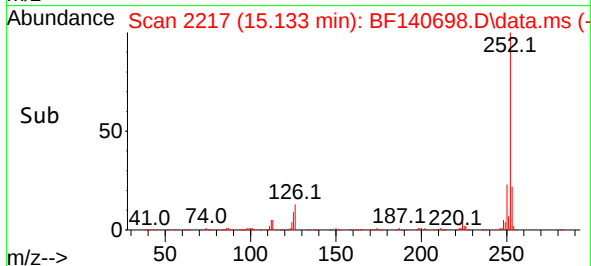
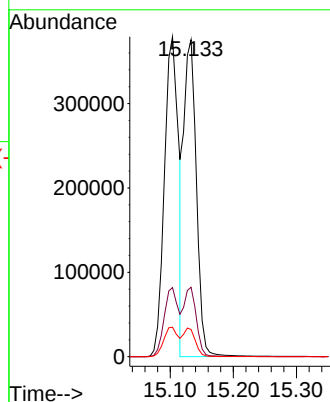
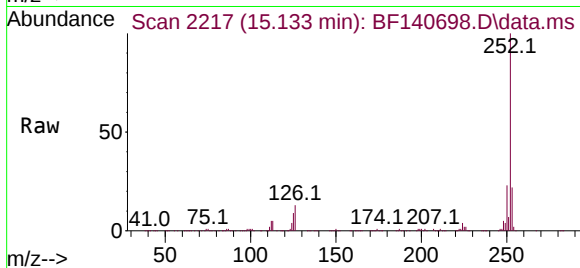
Tgt Ion:252 Resp: 522940

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.6 6.5 9.7



#90

Benzo(a)pyrene

Concen: 62.845 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

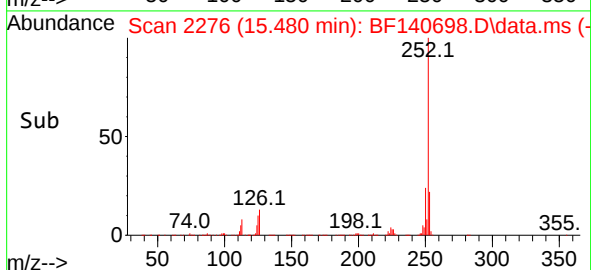
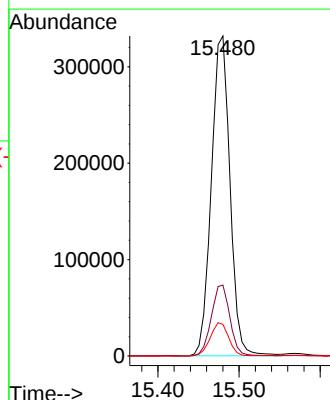
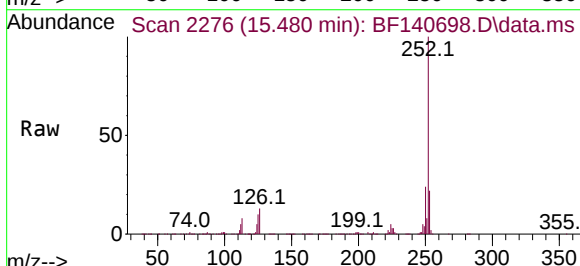
Tgt Ion:252 Resp: 528843

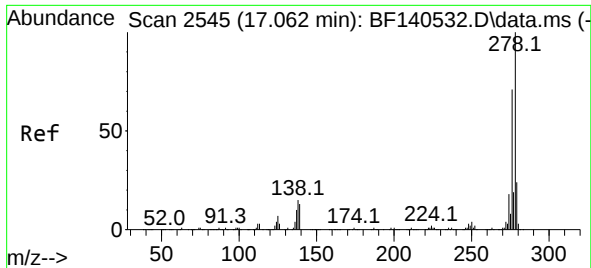
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 9.9 7.0 10.6

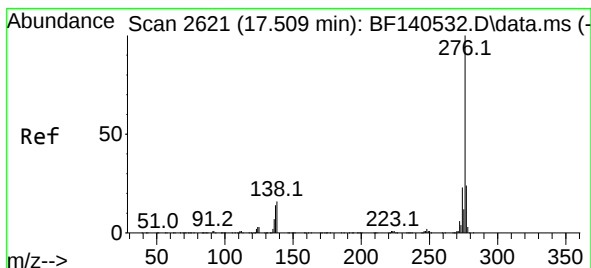
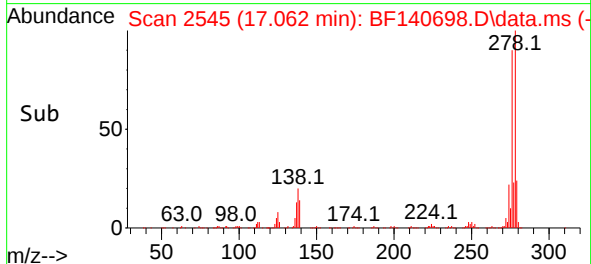
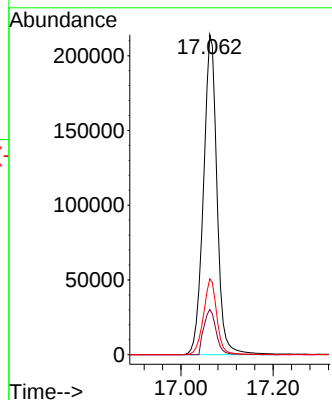
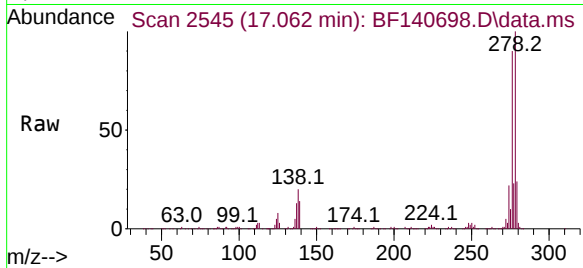




#91
Dibenzo(a,h)anthracene
Concen: 49.999 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:278 Resp: 439698
Ion Ratio Lower Upper
278 100
139 14.1 10.2 15.4
279 23.7 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 46.808 ng
RT: 17.509 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:276 Resp: 420045
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 18.7 13.2 19.8

