

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141035.D
 Acq On : 30 Dec 2024 17:13
 Operator : RC/JU
 Sample : P5362-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD

Quant Time: Dec 30 18:24:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	266874	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1059947	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	575830	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	989877	20.000	ng	0.00
76) Chrysene-d12	13.986	240	628524	20.000	ng	0.00
86) Perylene-d12	15.439	264	549749	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	2557149	144.435	ng	0.02
7) Phenol-d6	6.457	99	3228344	141.549	ng	0.00
23) Nitrobenzene-d5	7.393	82	2113386	127.563	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	1029465	183.985	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	3607771	99.822	ng	0.00
79) Terphenyl-d14	12.933	244	3839033	101.454	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.799	88	359426	44.842	ng	# 84
3) Pyridine	3.493	79	644361	32.895	ng	99
4) n-Nitrosodimethylamine	3.428	42	473135	47.671	ng	100
6) Aniline	6.493	93	354414	17.424	ng	98
8) 2-Chlorophenol	6.610	128	996282	53.374	ng	99
9) Benzaldehyde	6.381	77	18092	Below Cal		95
10) Phenol	6.469	94	1158906	49.141	ng	97
11) bis(2-Chloroethyl)ether	6.569	93	914944	48.049	ng	98
12) 1,3-Dichlorobenzene	6.769	146	971568	47.163	ng	100
13) 1,4-Dichlorobenzene	6.845	146	984655	47.415	ng	100
14) 1,2-Dichlorobenzene	6.998	146	941227	48.612	ng	99
15) Benzyl Alcohol	6.969	79	819953	50.030	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1428863	49.618	ng	99
17) 2-Methylphenol	7.075	107	809939	52.230	ng	100
18) Hexachloroethane	7.340	117	365447	49.539	ng	96
19) n-Nitroso-di-n-propyla...	7.245	70	693888	49.661	ng	98
20) 3+4-Methylphenols	7.234	107	981539	50.017	ng	# 83
22) Acetophenone	7.240	105	1271748	48.910	ng	99
24) Nitrobenzene	7.410	77	1024161	55.323	ng	97
25) Isophorone	7.651	82	1858310	51.546	ng	99
26) 2-Nitrophenol	7.722	139	497748	63.664	ng	99
27) 2,4-Dimethylphenol	7.757	122	814166	61.793	ng	100
28) bis(2-Chloroethoxy)met...	7.857	93	1133390	49.619	ng	99
29) 2,4-Dichlorophenol	7.963	162	807332	54.027	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	818972	48.421	ng	99
31) Naphthalene	8.134	128	2702759	48.391	ng	100
32) Benzoic acid	7.875	122	623167	55.954	ng	96
33) 4-Chloroaniline	8.175	127	107445	5.318	ng	97
34) Hexachlorobutadiene	8.251	225	487950	48.937	ng	100
35) Caprolactam	8.539	113	139025	27.367	ng	97
36) 4-Chloro-3-methylphenol	8.651	107	875097	52.732	ng	99
37) 2-Methylnaphthalene	8.822	142	1792341	50.162	ng	100
38) 1-Methylnaphthalene	8.916	142	1685792	48.007	ng	99
40) 1,2,4,5-Tetrachloroben...	8.987	216	794053	50.124	ng	99
41) Hexachlorocyclopentadiene	8.975	237	868435	165.423	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	602565	57.150	ng	100

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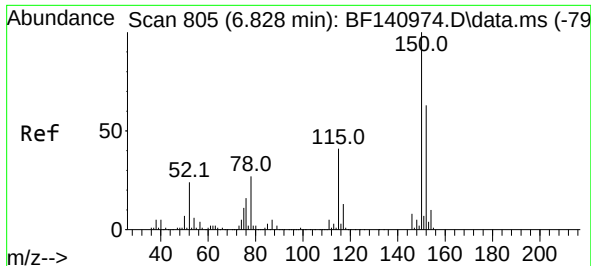
Quant Time: Dec 30 18:24:07 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	571889	53.011	ng	99
46) 1,1'-Biphenyl	9.287	154	2194698	49.777	ng	100
47) 2-Chloronaphthalene	9.310	162	1678203	49.076	ng	99
48) 2-Nitroaniline	9.398	65	533070	58.468	ng	98
49) Acenaphthylene	9.722	152	2578615	52.383	ng	99
50) Dimethylphthalate	9.586	163	2007342	52.997	ng	100
51) 2,6-Dinitrotoluene	9.645	165	453583	57.905	ng	95
52) Acenaphthene	9.898	154	1917734	57.626	ng	98
53) 3-Nitroaniline	9.810	138	104584	14.868	ng	# 92
54) 2,4-Dinitrophenol	9.922	184	487802	125.516	ng	# 1
55) Dibenzofuran	10.069	168	2383944	50.973	ng	99
56) 4-Nitrophenol	9.969	139	778468	120.152	ng	98
57) 2,4-Dinitrotoluene	10.051	165	609527	62.940	ng	96
58) Fluorene	10.410	166	1803331	49.724	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	521164	58.331	ng	99
60) Diethylphthalate	10.286	149	1940604	51.898	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	866956	49.680	ng	98
62) 4-Nitroaniline	10.428	138	383814	45.894	ng	94
63) Azobenzene	10.563	77	1951068	49.711	ng	98
65) 4,6-Dinitro-2-methylph...	10.457	198	328489	76.373	ng	91
66) n-Nitrosodiphenylamine	10.522	169	1508457	48.393	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	583667	54.545	ng	97
68) Hexachlorobenzene	10.957	284	637916	54.064	ng	100
69) Atrazine	11.045	200	341239	39.186	ng	99
70) Pentachlorophenol	11.151	266	836728	113.898	ng	99
71) Phenanthrene	11.375	178	2753546	52.853	ng	99
72) Anthracene	11.422	178	2781083	54.478	ng	99
73) Carbazole	11.575	167	2344701	47.778	ng	100
74) Di-n-butylphthalate	11.910	149	2964815	53.116	ng	99
75) Fluoranthene	12.557	202	2848048	50.405	ng	99
77) Benzidine	12.680	184	37552	2.827	ng	95
78) Pyrene	12.786	202	2908130	52.905	ng	100
80) Butylbenzylphthalate	13.410	149	1188667	59.220	ng	100
81) Benzo(a)anthracene	13.974	228	2090064	47.714	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	101907	7.743	ng	99
83) Chrysene	14.010	228	2012440	50.963	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	1401051	53.811	ng	99
85) Di-n-octyl phthalate	14.586	149	2084440	55.314	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	2127795	61.434	ng	98
88) Benzo(b)fluoranthene	15.016	252	1992745	51.973	ng	99
89) Benzo(k)fluoranthene	15.045	252	1579447	52.559	ng	99
90) Benzo(a)pyrene	15.380	252	1676183	56.323	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	1737665	61.892	ng	98
92) Benzo(g,h,i)perylene	17.333	276	1587770	54.525	ng	99

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

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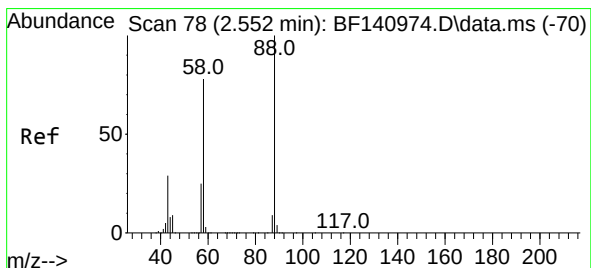
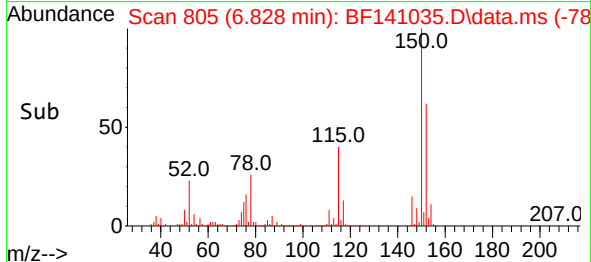
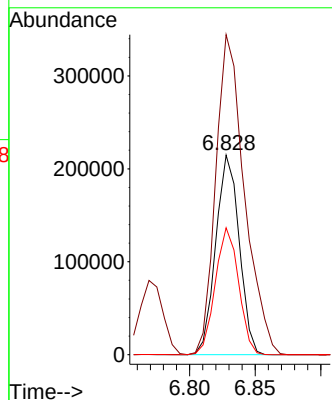
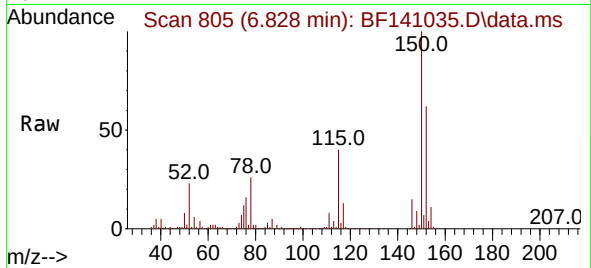




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

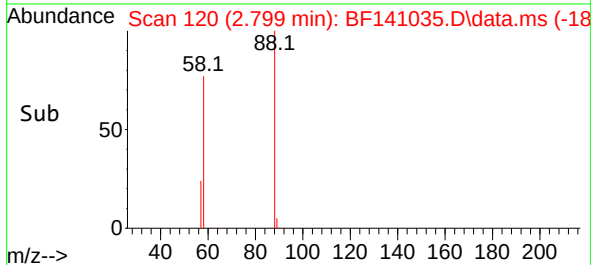
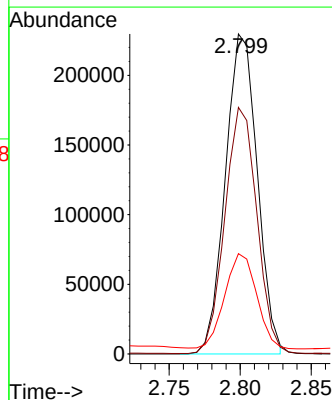
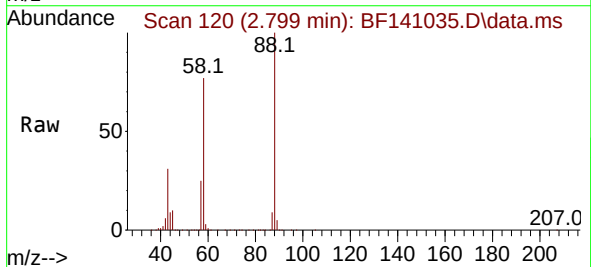
Instrument :
BNA_F
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WC-SOIL-20241219MSD

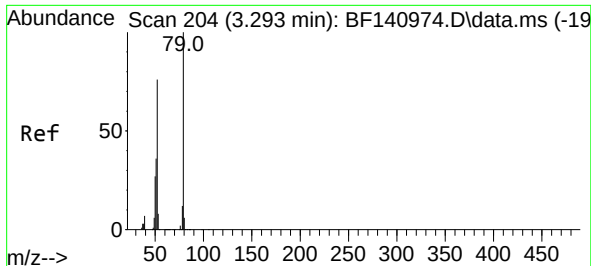
Tgt Ion:152 Resp: 266874
Ion Ratio Lower Upper
152 100
150 160.4 127.0 190.6
115 63.6 51.7 77.5



#2
1,4-Dioxane
Concen: 44.842 ng
RT: 2.799 min Scan# 120
Delta R.T. 0.247 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion: 88 Resp: 359426
Ion Ratio Lower Upper
88 100
58 76.9 63.0 94.4
43 0.0 23.4 35.2#

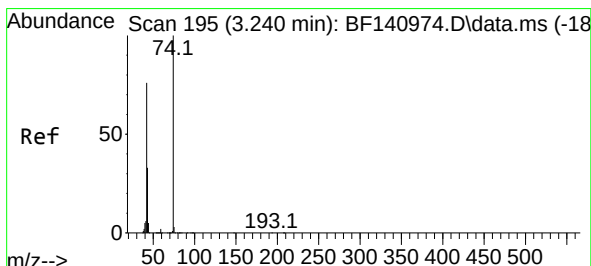
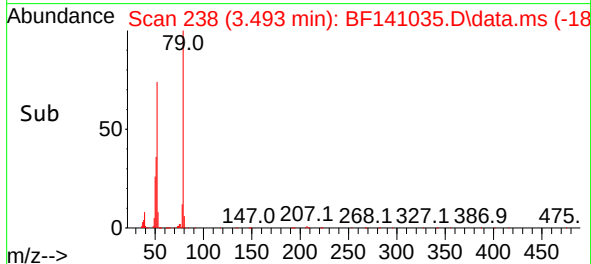
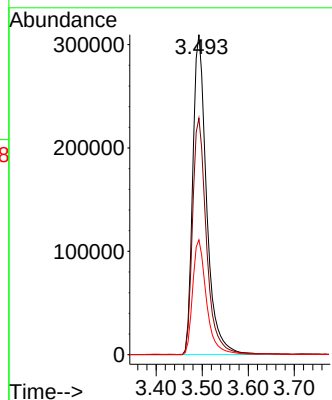
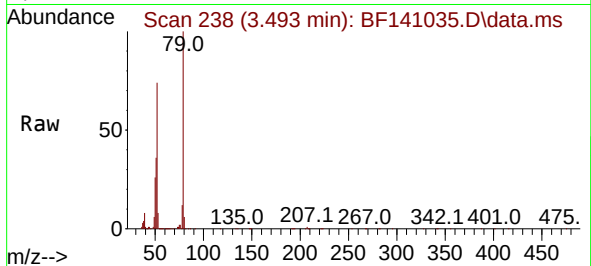




#3
Pyridine
Concen: 32.895 ng
RT: 3.493 min Scan# 21
Delta R.T. 0.200 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

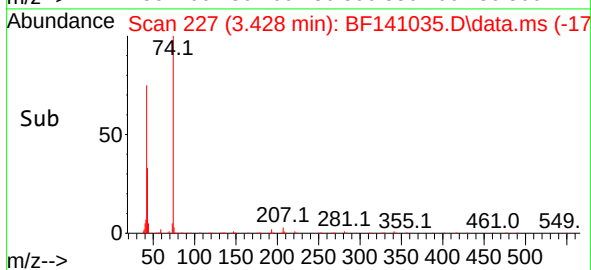
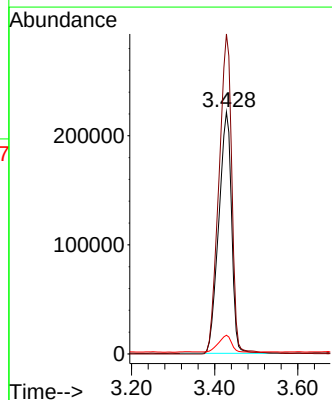
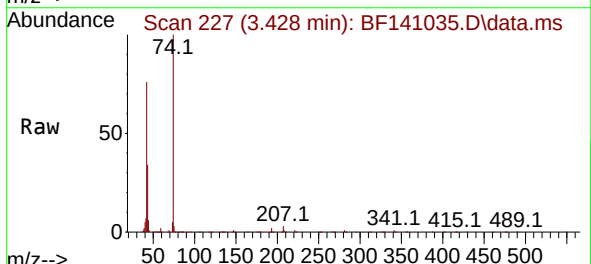
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

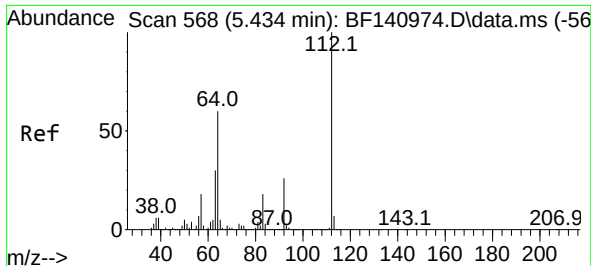
Tgt Ion: 79 Resp: 644361
Ion Ratio Lower Upper
79 100
52 73.9 60.4 90.6
51 35.9 28.8 43.2



#4
n-Nitrosodimethylamine
Concen: 47.671 ng
RT: 3.428 min Scan# 227
Delta R.T. 0.188 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion: 42 Resp: 473135
Ion Ratio Lower Upper
42 100
74 132.3 105.8 158.6
44 7.7 6.6 10.0

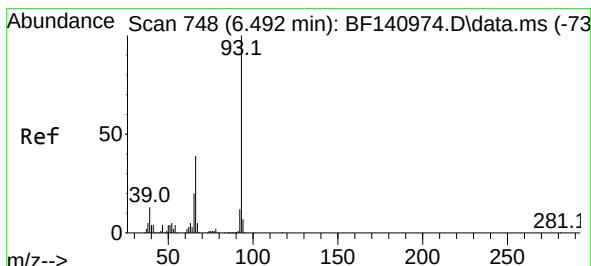
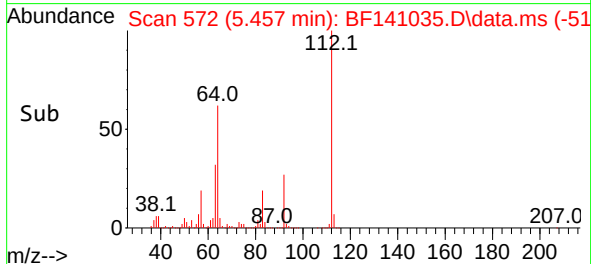
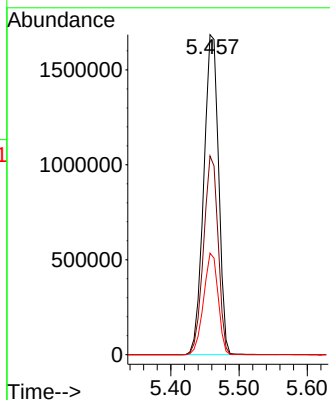
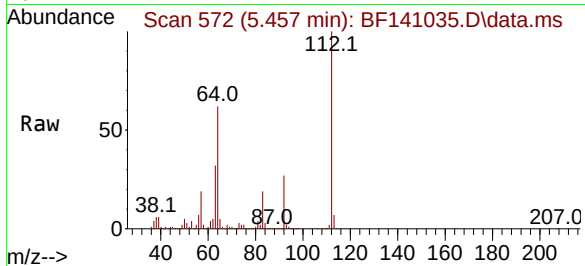




#5
2-Fluorophenol
Concen: 144.435 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

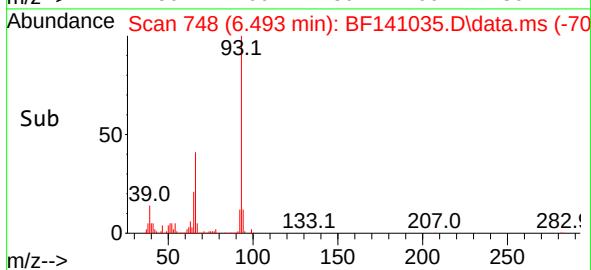
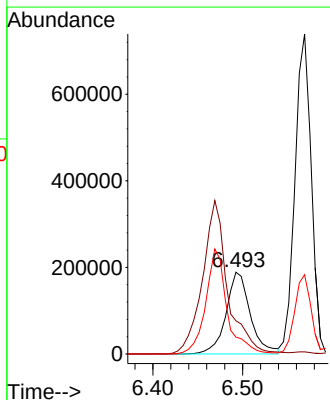
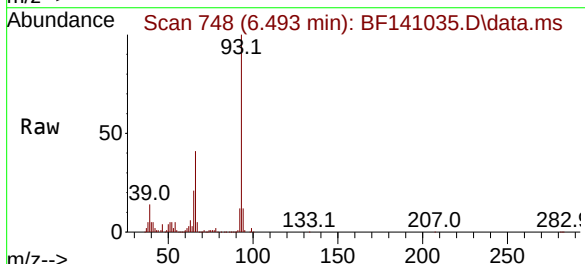
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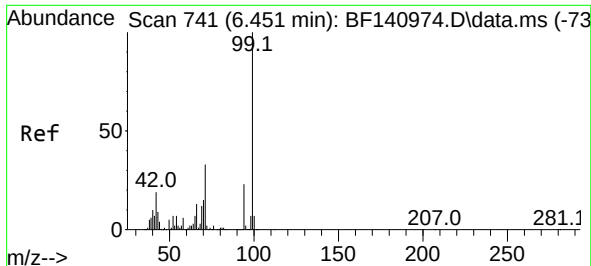
Tgt Ion:112 Resp: 2557149
Ion Ratio Lower Upper
112 100
64 62.1 47.7 71.5
63 31.7 24.2 36.2



#6
Aniline
Concen: 17.424 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion: 93 Resp: 354414
Ion Ratio Lower Upper
93 100
66 40.6 31.8 47.8
65 20.5 15.4 23.0





#7

Phenol-d6

Concen: 141.549 ng

RT: 6.457 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF141035.D

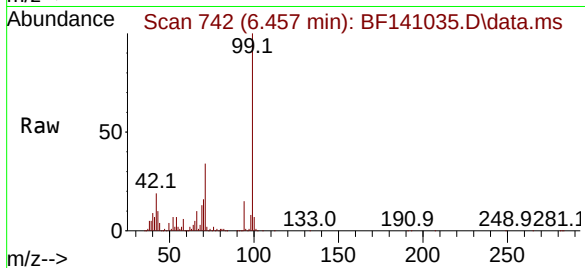
Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

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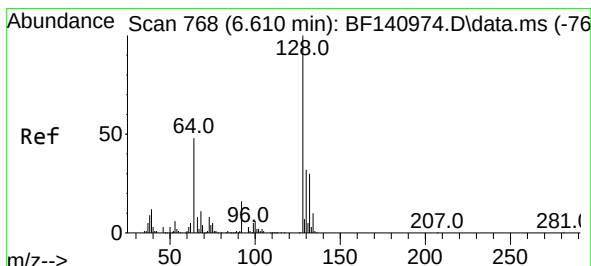
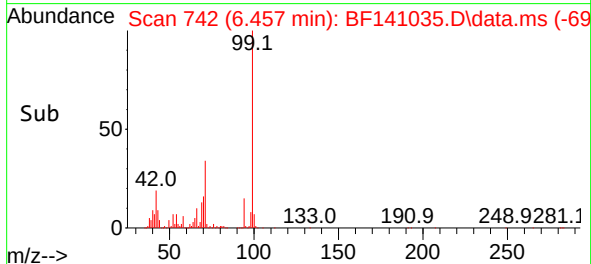
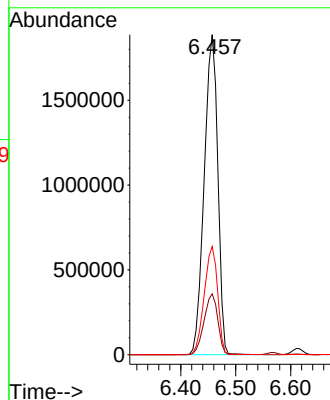
Tgt Ion: 99 Resp: 3228344

Ion Ratio Lower Upper

99 100

42 19.0 15.0 22.4

71 33.8 26.2 39.2



#8

2-Chlorophenol

Concen: 53.374 ng

RT: 6.610 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

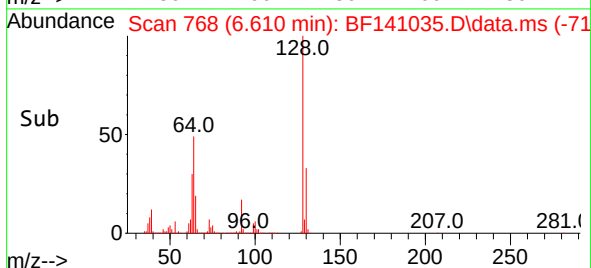
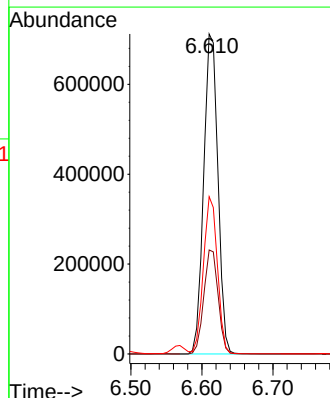
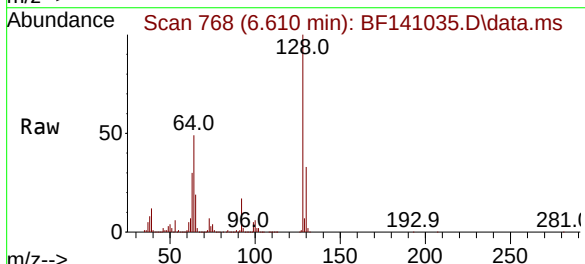
Tgt Ion: 128 Resp: 996282

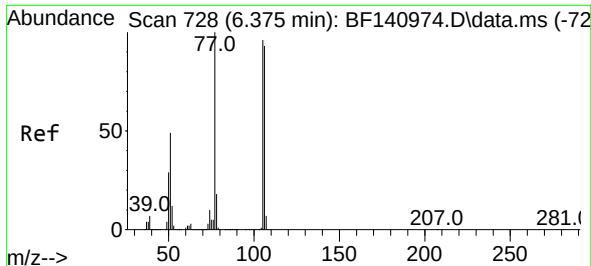
Ion Ratio Lower Upper

128 100

130 32.5 12.2 52.2

64 49.1 30.3 70.3





#9

Benzaldehyde

Concen: Below Cal

RT: 6.381 min Scan# 729

Delta R.T. 0.006 min

Lab File: BF141035.D

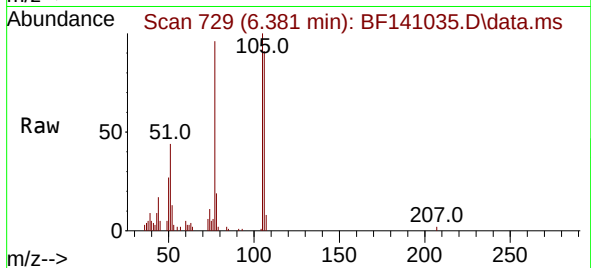
Acq: 30 Dec 2024 17:13

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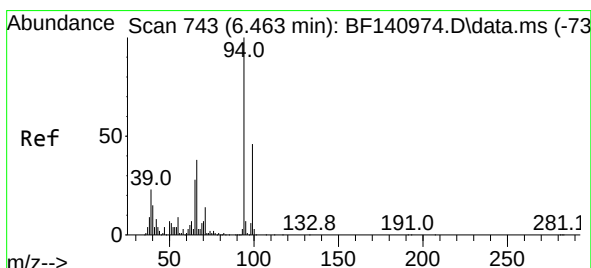
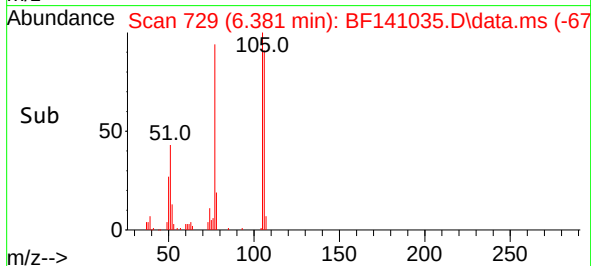
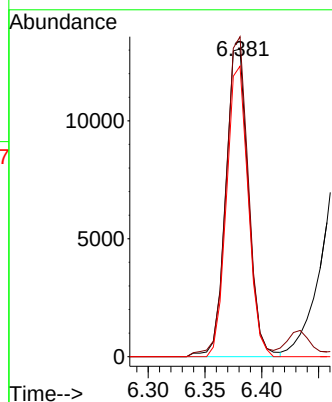
Tgt Ion: 77 Resp: 18092

Ion Ratio Lower Upper

77 100

105 104.0 76.2 116.2

106 94.4 73.4 113.4



#10

Phenol

Concen: 49.141 ng

RT: 6.469 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

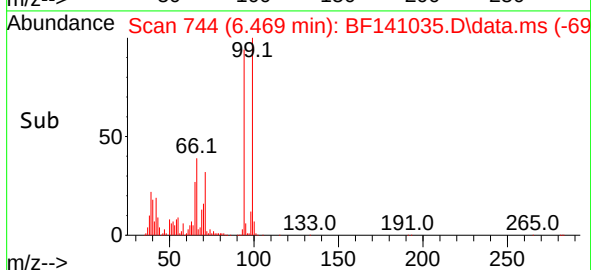
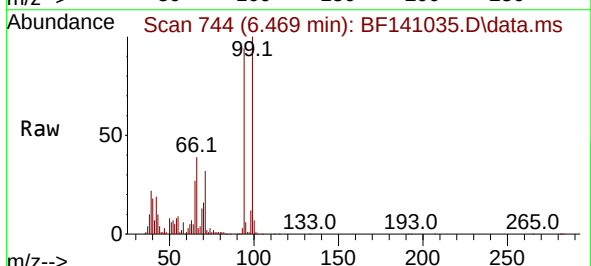
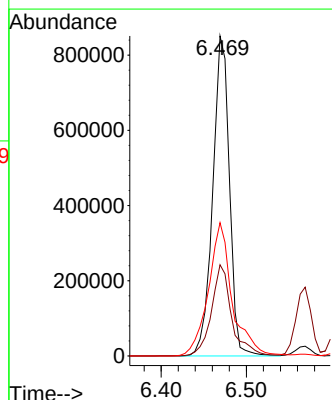
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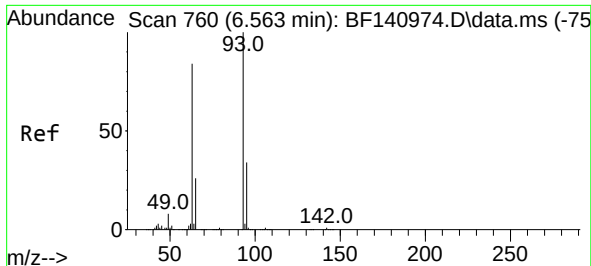
Ion Ratio Lower Upper

94 100

65 28.5 8.1 48.1

66 41.6 18.7 58.7

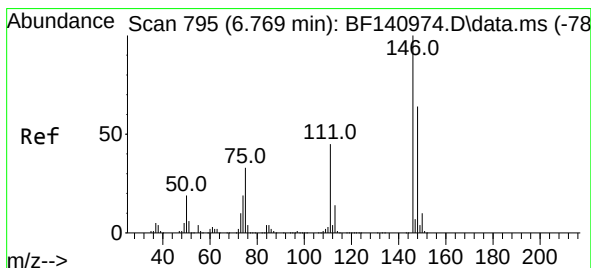
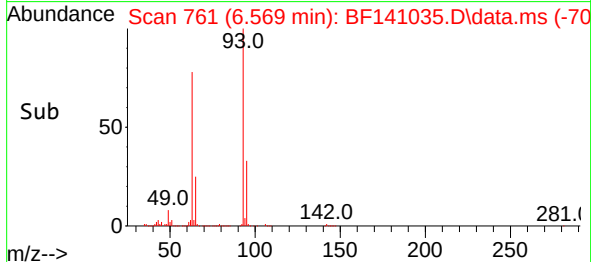
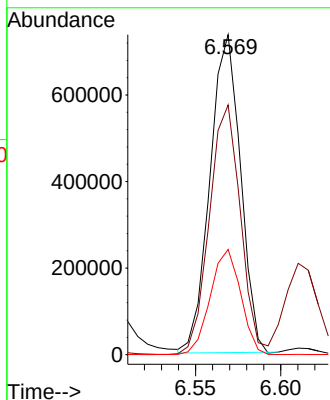
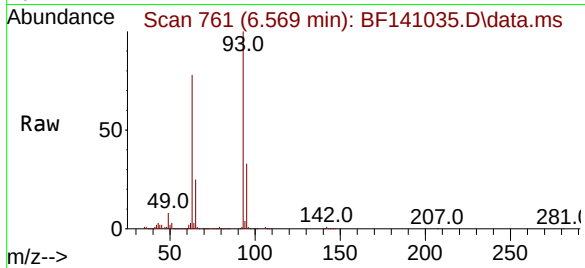




#11
bis(2-Chloroethyl)ether
Concen: 48.049 ng
RT: 6.569 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

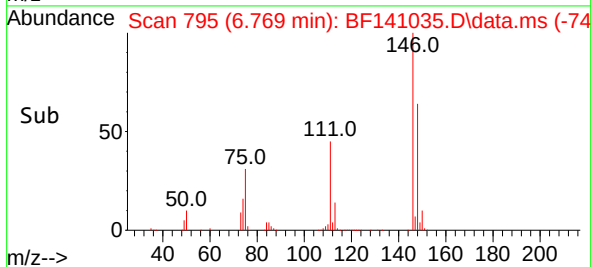
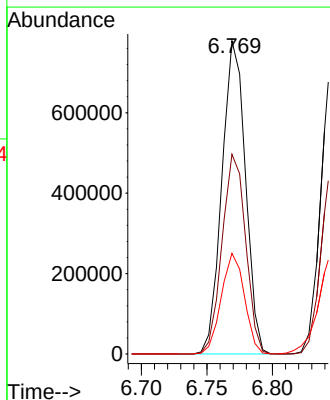
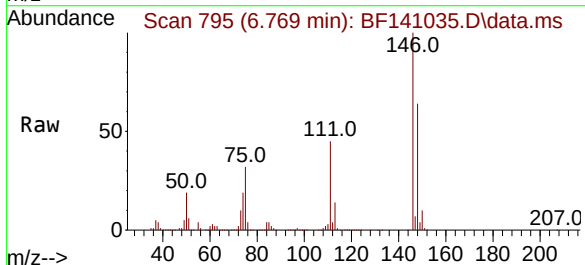
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

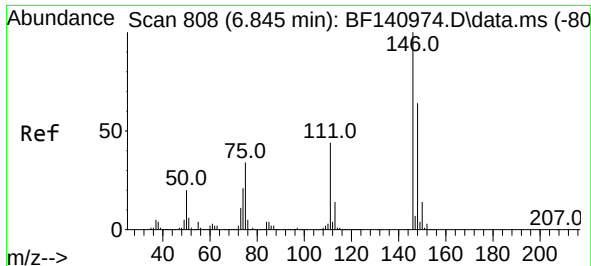
Tgt Ion: 93 Resp: 914944
Ion Ratio Lower Upper
93 100
63 78.1 60.3 100.3
95 32.9 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 47.163 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:146 Resp: 971568
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.4
75 32.2 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 47.415 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF141035.D

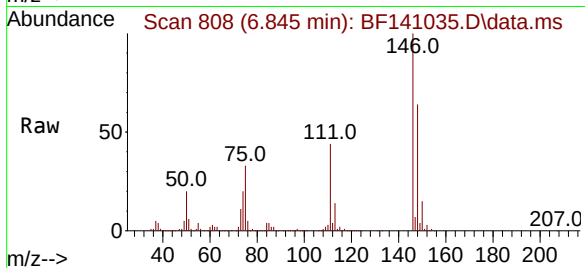
Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD



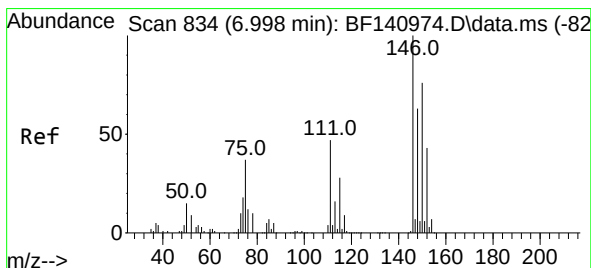
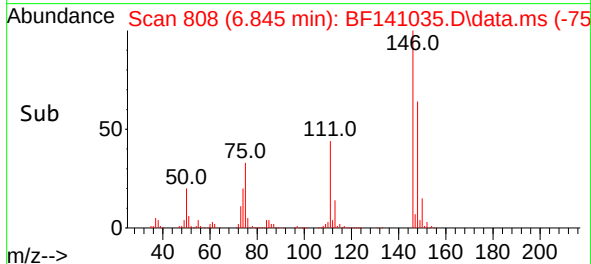
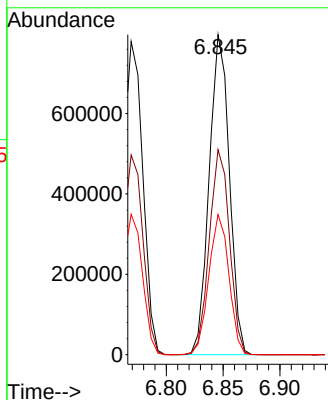
Tgt Ion:146 Resp: 984655

Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

111 43.8 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 48.612 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

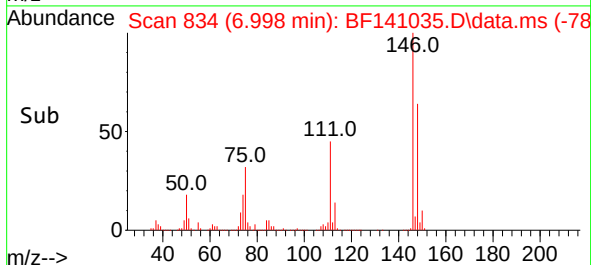
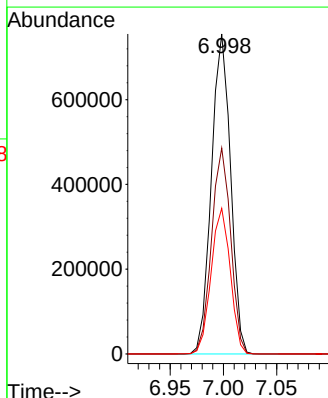
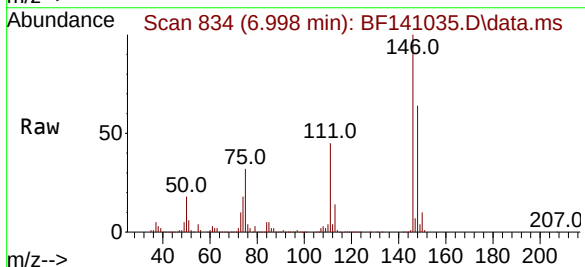
Tgt Ion:146 Resp: 941227

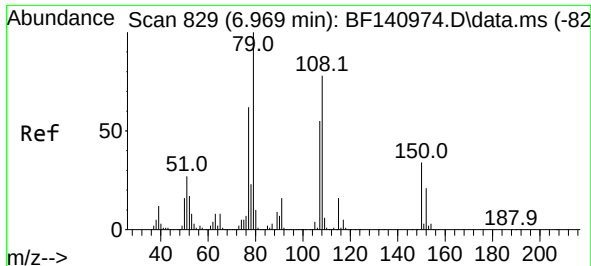
Ion Ratio Lower Upper

146 100

148 64.3 50.6 76.0

111 45.5 37.3 55.9

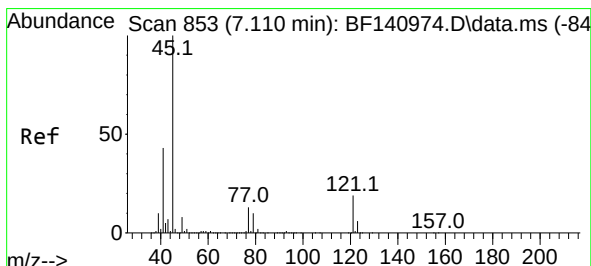
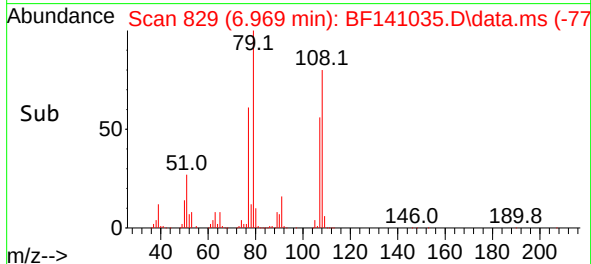
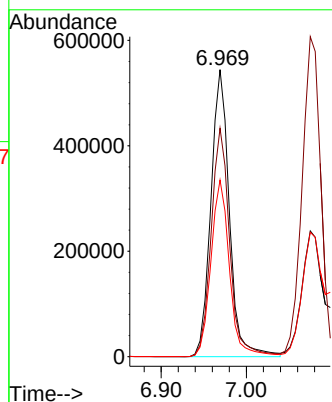
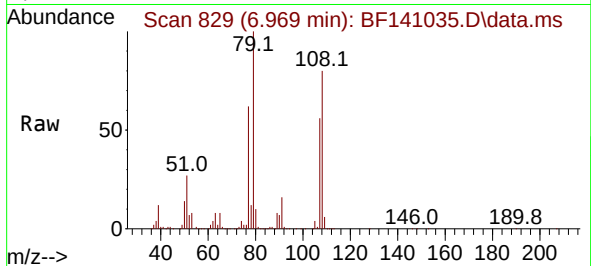




#15
Benzyl Alcohol
Concen: 50.030 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

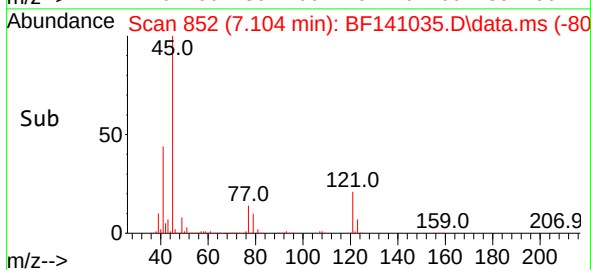
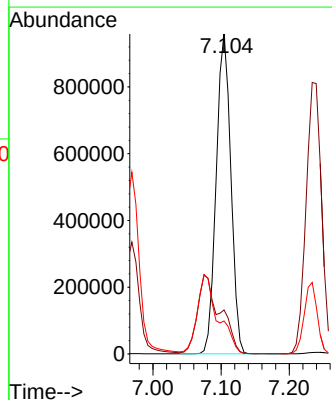
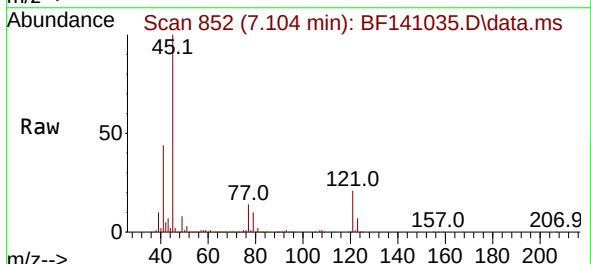
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

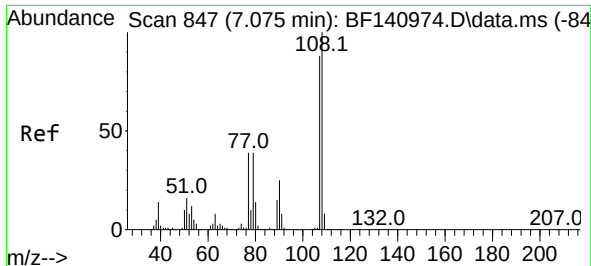
Tgt Ion: 79 Resp: 819953
Ion Ratio Lower Upper
79 100
108 79.6 62.5 93.7
77 61.5 49.3 73.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.618 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion: 45 Resp: 1428863
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.1
79 10.3 0.0 30.1





#17

2-Methylphenol

Concen: 52.230 ng

RT: 7.075 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF141035.D

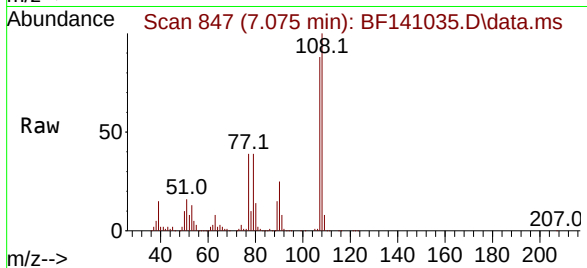
Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD



Tgt Ion:107 Resp: 809939

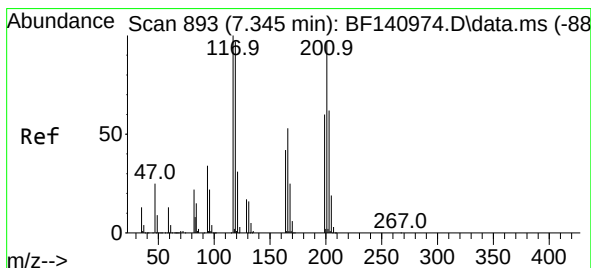
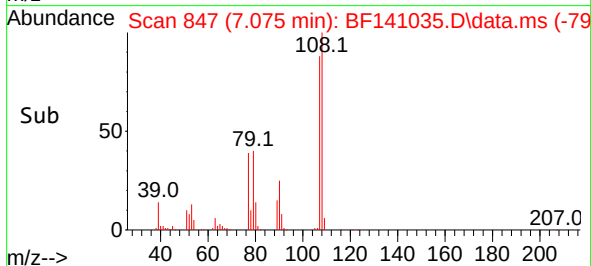
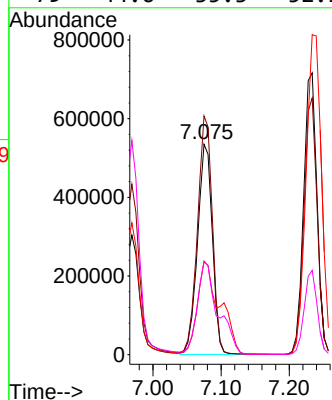
Ion	Ratio	Lower	Upper
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107	100		
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108	113.5	90.6	136.0
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77	44.2	35.3	52.9
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79	44.6	35.3	52.9
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#18

Hexachloroethane

Concen: 49.539 ng

RT: 7.340 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

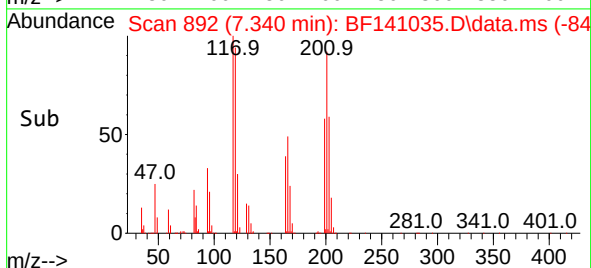
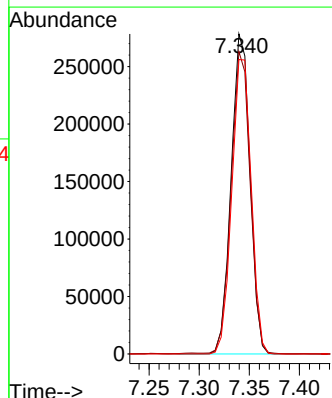
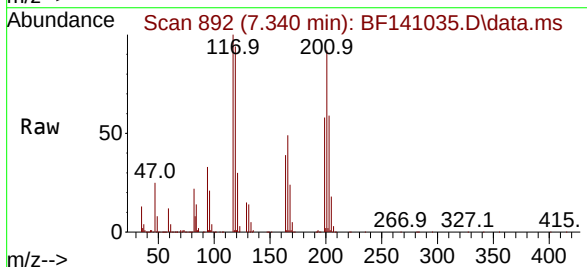
Tgt Ion:117 Resp: 365447

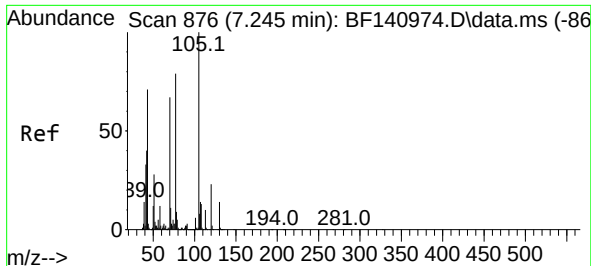
Ion	Ratio	Lower	Upper
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117	100		
-----	-----	--	--

119	94.5	77.5	116.3
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201	92.0	77.4	116.2
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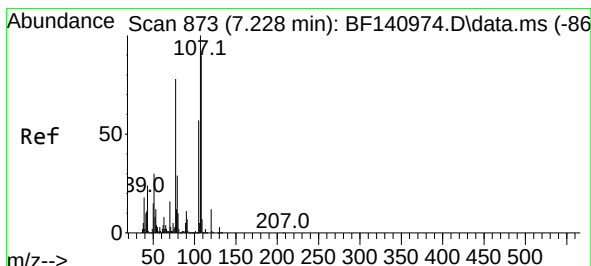
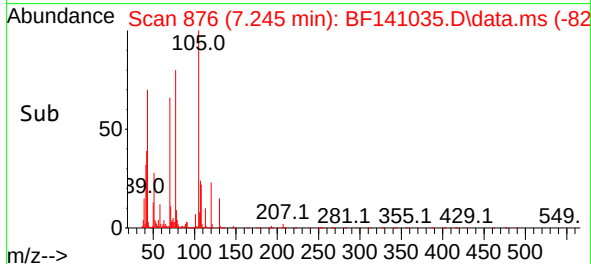
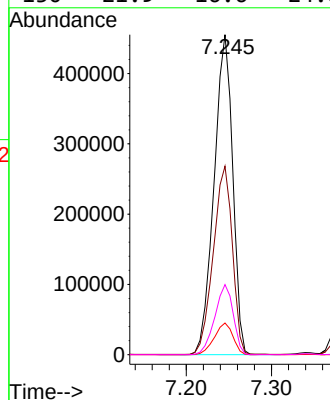
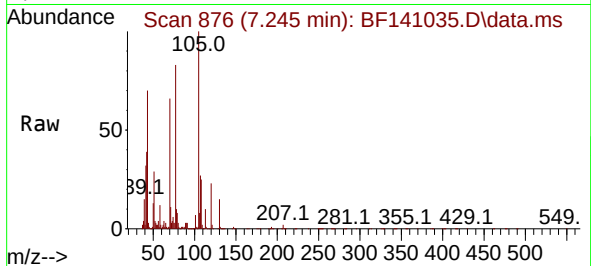




#19
n-Nitroso-di-n-propylamine
Concen: 49.661 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

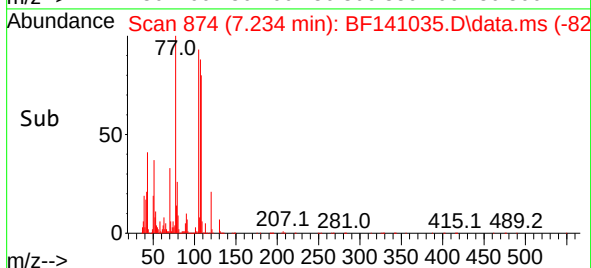
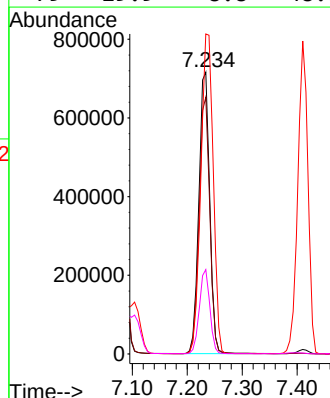
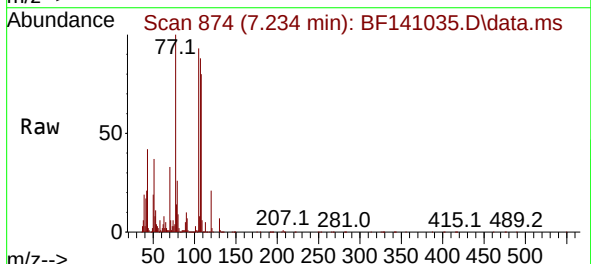
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

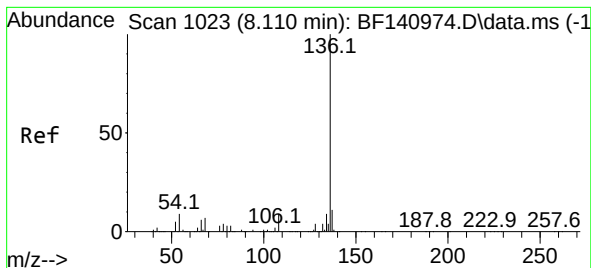
Tgt Ion: 70 Resp: 693888
Ion Ratio Lower Upper
70 100
42 58.9 48.1 72.1
101 9.9 7.6 11.4
130 21.9 16.6 24.8



#20
3+4-Methylphenols
Concen: 50.017 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion: 107 Resp: 981539
Ion Ratio Lower Upper
107 100
108 91.1 69.6 109.6
77 113.6 57.6 97.6#
79 29.9 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:136 Resp: 1059947

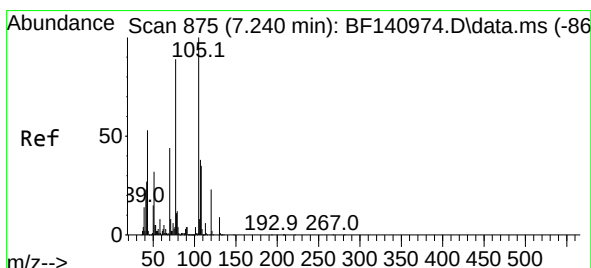
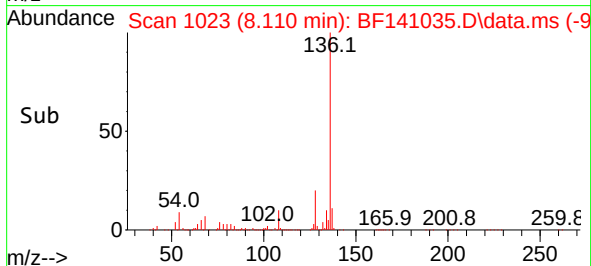
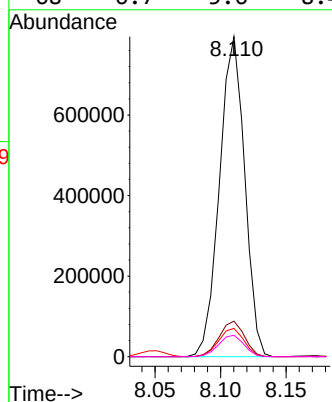
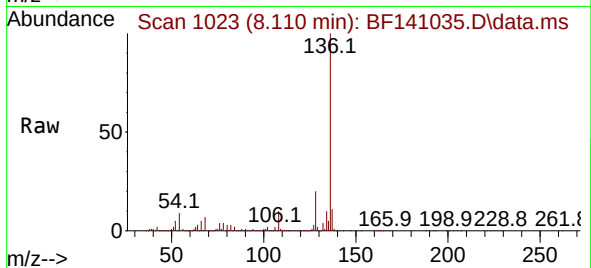
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.8 7.6 11.4

68 6.7 5.6 8.4



#22

Acetophenone

Concen: 48.910 ng

RT: 7.240 min Scan# 875

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Tgt Ion:105 Resp: 1271748

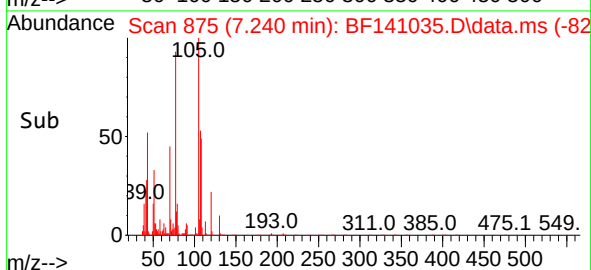
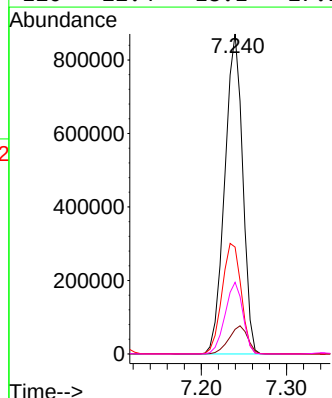
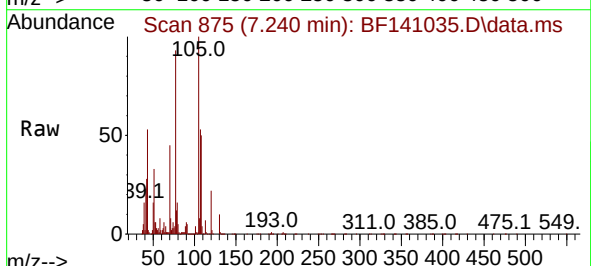
Ion Ratio Lower Upper

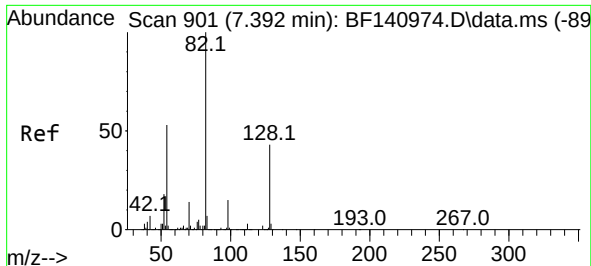
105 100

71 7.7 6.1 9.1

51 33.4 25.8 38.6

120 22.4 18.1 27.1





#23

Nitrobenzene-d5

Concen: 127.563 ng

RT: 7.393 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

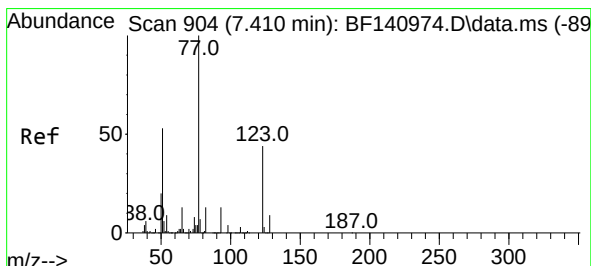
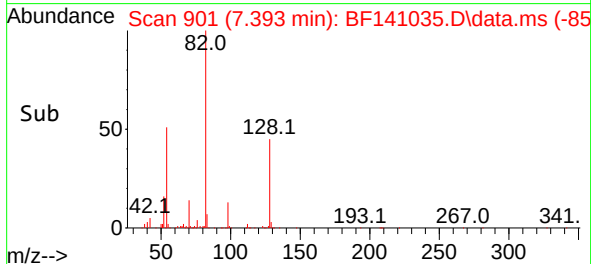
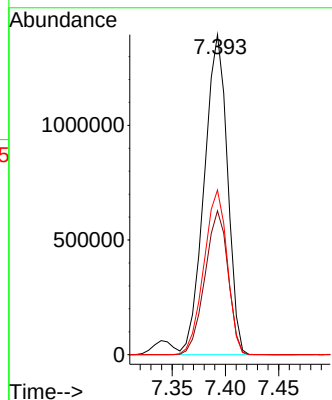
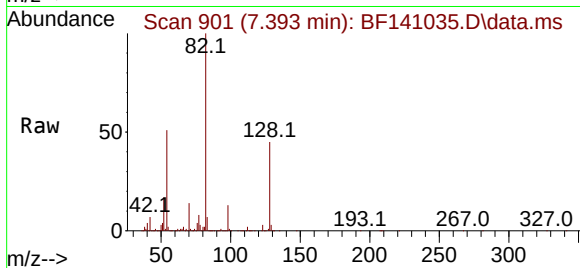
BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion: 82 Resp: 2113386

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.4	51.6
54	51.4	42.4	63.6



#24

Nitrobenzene

Concen: 55.323 ng

RT: 7.410 min Scan# 904

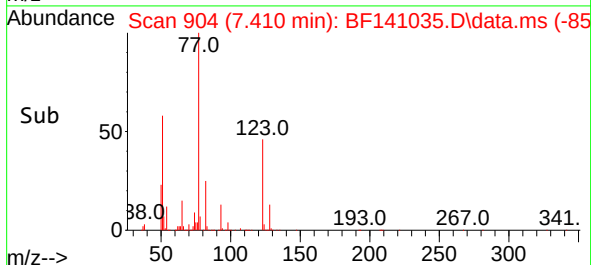
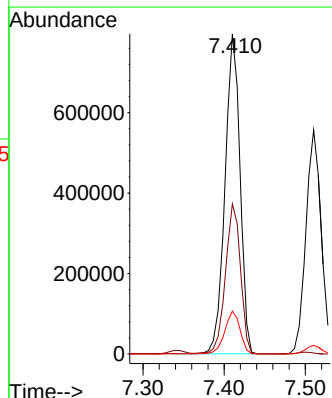
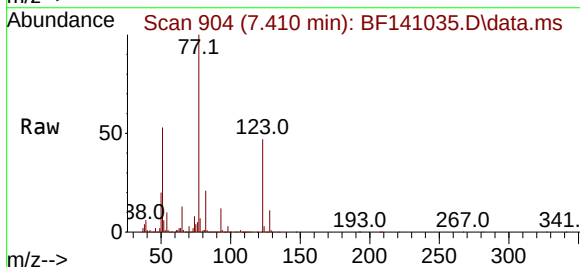
Delta R.T. 0.000 min

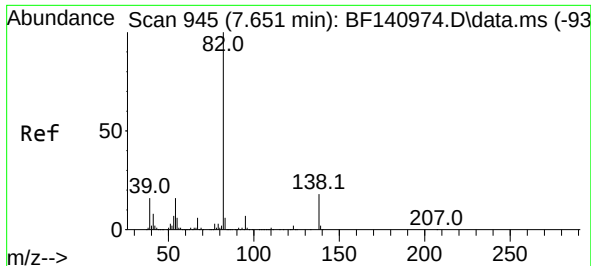
Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Tgt Ion: 77 Resp: 1024161

Ion	Ratio	Lower	Upper
77	100		
123	46.9	35.4	53.2
65	13.4	10.7	16.1

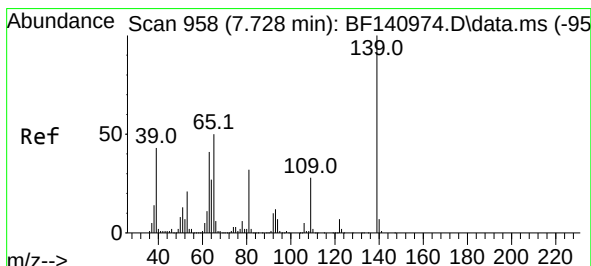
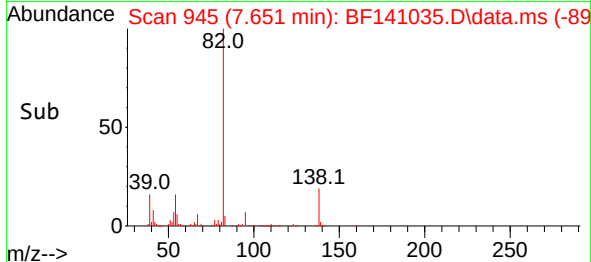
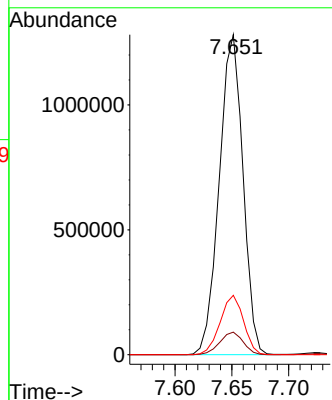
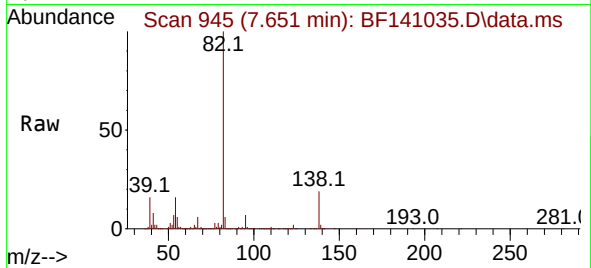




#25
Isophorone
Concen: 51.546 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

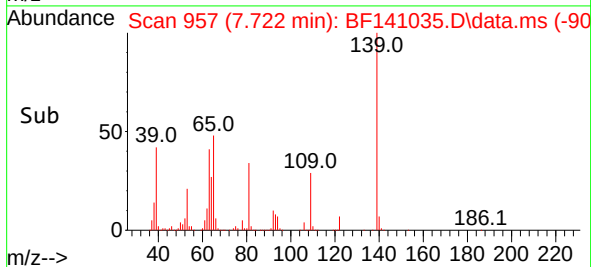
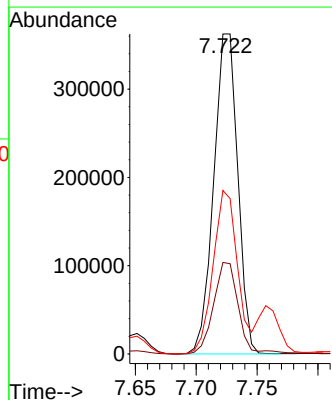
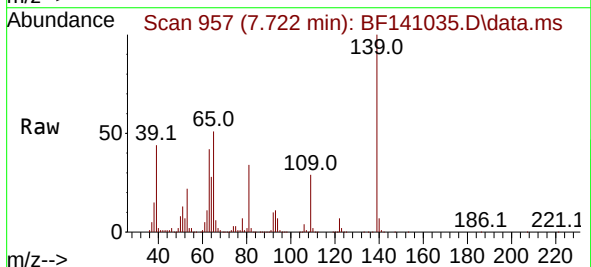
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

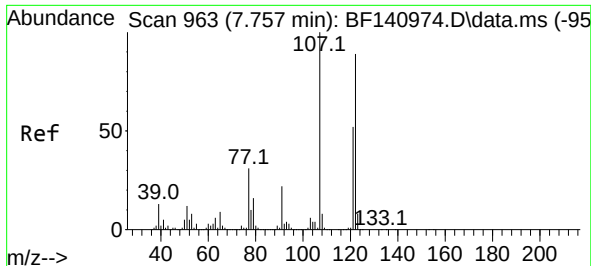
Tgt Ion: 82 Resp: 1858310
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 18.6 14.6 21.8



#26
2-Nitrophenol
Concen: 63.664 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:139 Resp: 497748
Ion Ratio Lower Upper
139 100
109 28.6 22.2 33.4
65 51.1 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 61.793 ng

RT: 7.757 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

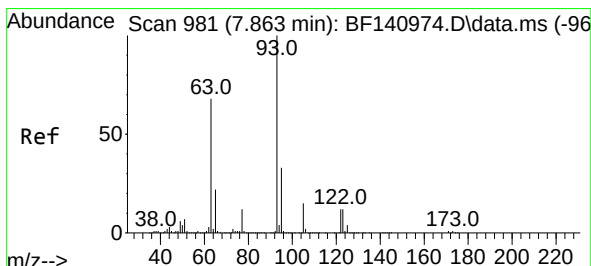
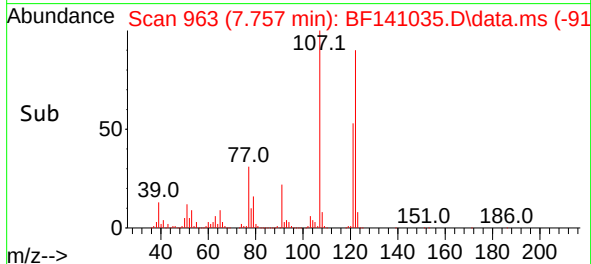
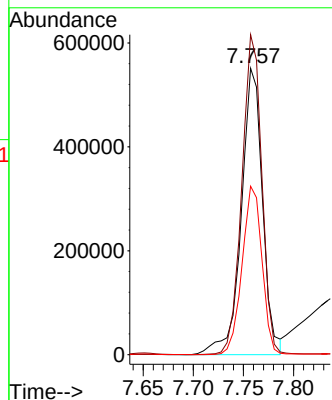
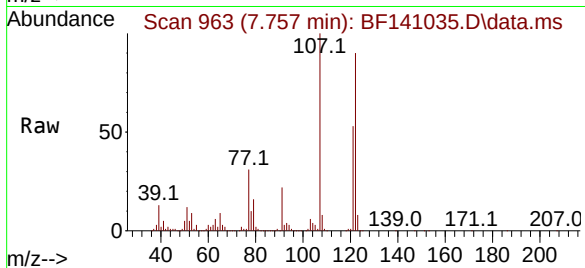
Tgt Ion:122 Resp: 814166

Ion Ratio Lower Upper

122 100

107 111.7 89.4 134.2

121 58.8 46.7 70.1



#28

bis(2-Chloroethoxy)methane

Concen: 49.619 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

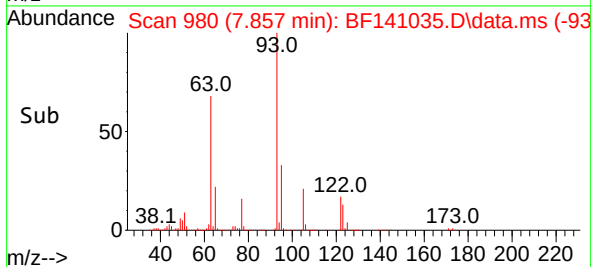
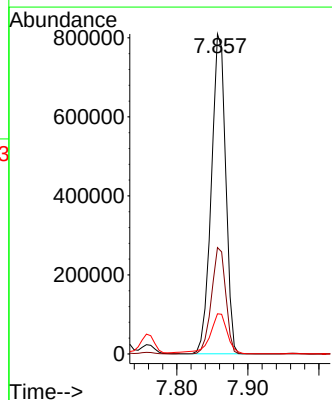
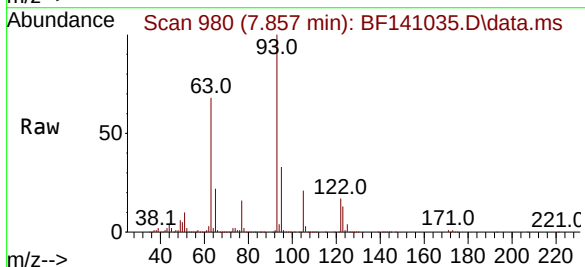
Tgt Ion: 93 Resp: 1133390

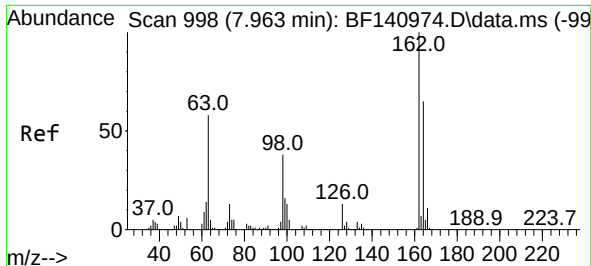
Ion Ratio Lower Upper

93 100

95 33.2 26.2 39.4

123 12.5 9.9 14.9

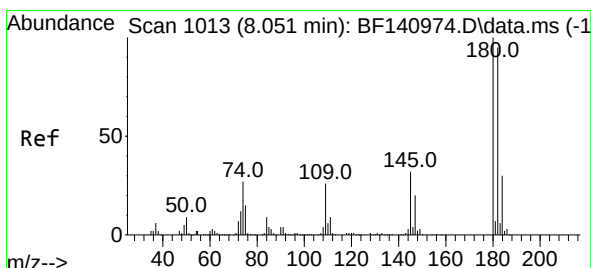
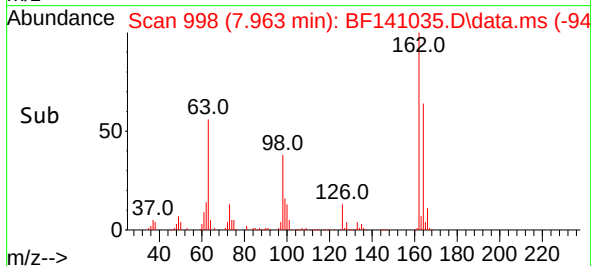
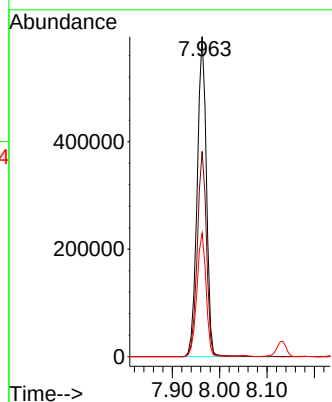
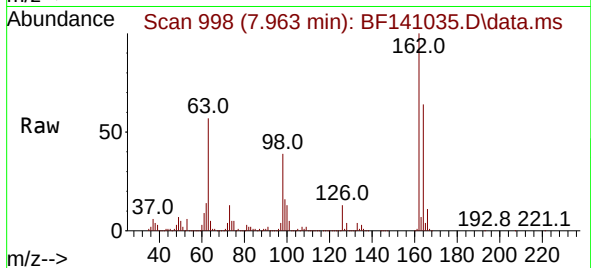




#29
2,4-Dichlorophenol
Concen: 54.027 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

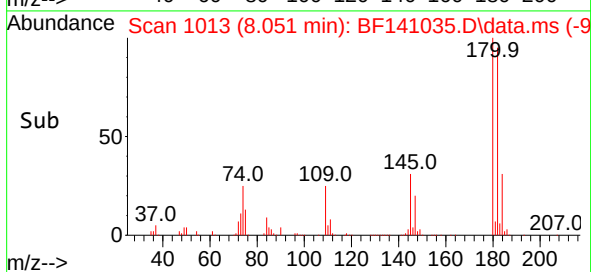
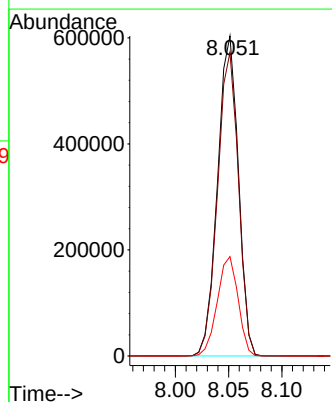
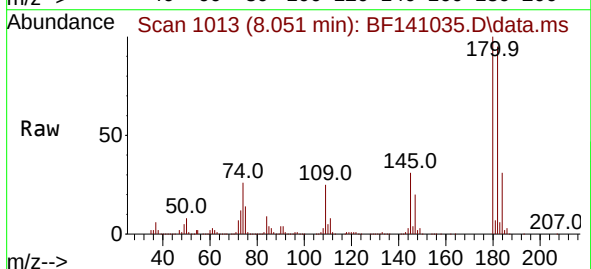
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

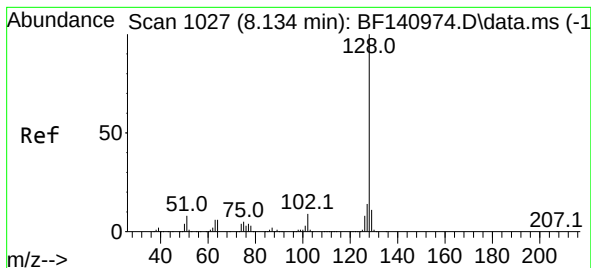
Tgt Ion:162 Resp: 807332
Ion Ratio Lower Upper
162 100
164 64.2 44.8 84.8
98 38.5 18.6 58.6



#30
1,2,4-Trichlorobenzene
Concen: 48.421 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:180 Resp: 818972
Ion Ratio Lower Upper
180 100
182 94.9 76.2 114.4
145 31.1 25.4 38.2





#31

Naphthalene

Concen: 48.391 ng

RT: 8.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

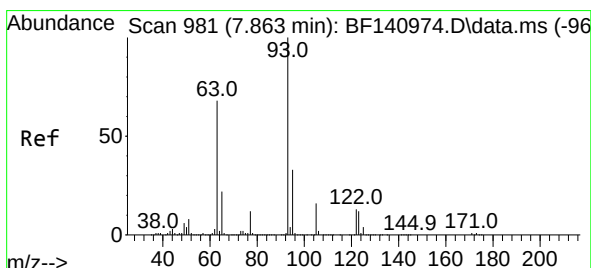
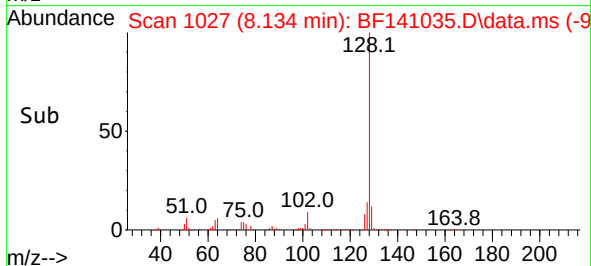
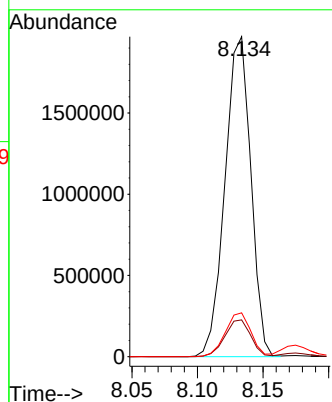
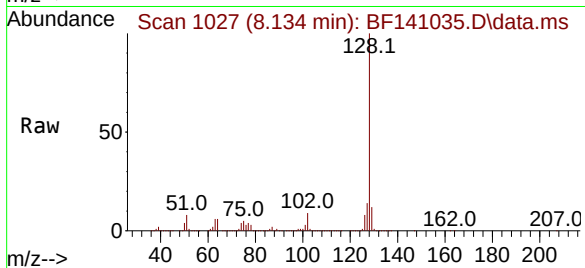
Tgt Ion:128 Resp: 2702759

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.7 11.0 16.4



#32

Benzoic acid

Concen: 55.954 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.012 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

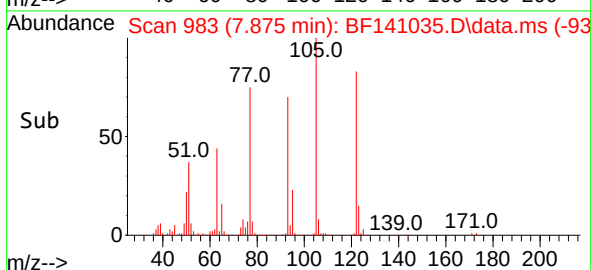
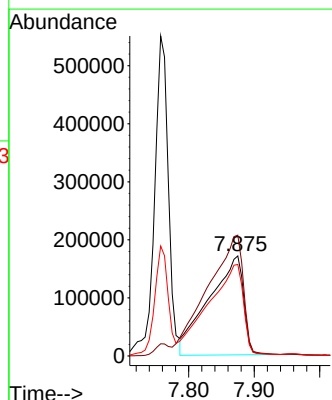
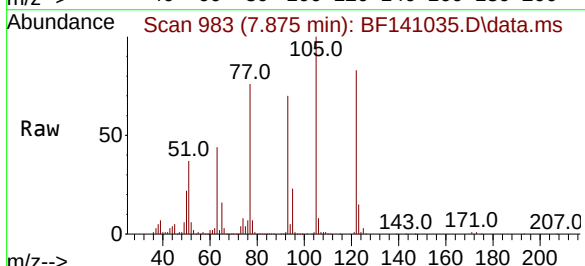
Tgt Ion:122 Resp: 623167

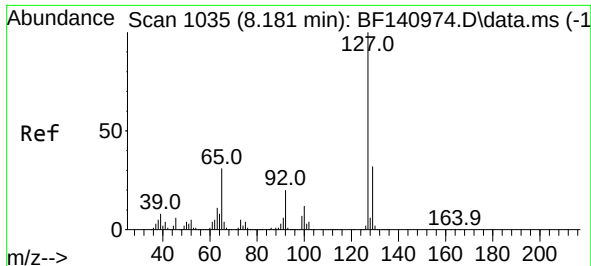
Ion Ratio Lower Upper

122 100

105 120.8 105.4 145.4

77 91.5 76.4 116.4

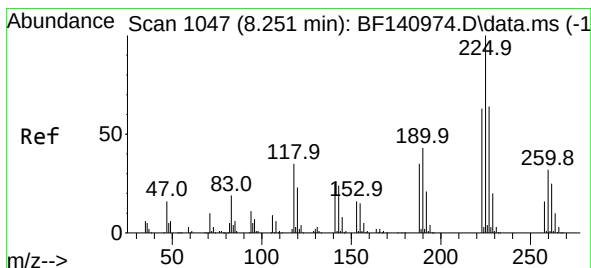
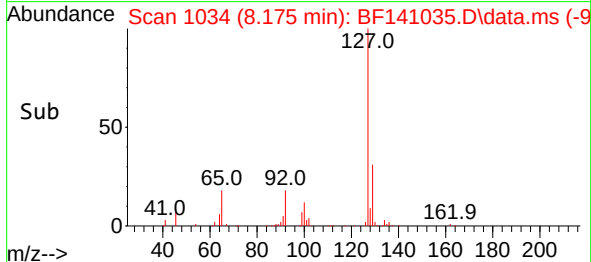
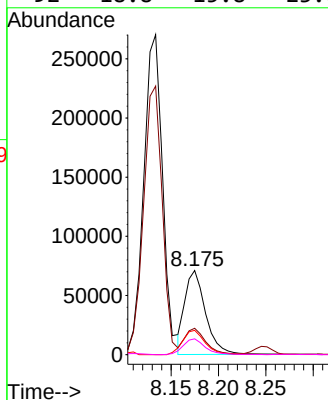
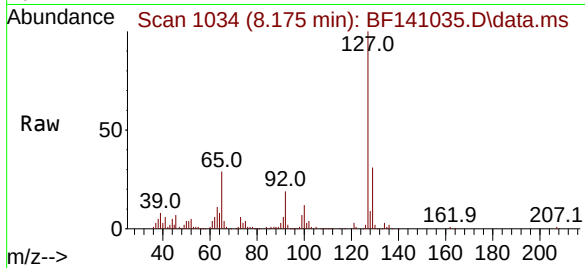




#33
4-Chloroaniline
Concen: 5.318 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

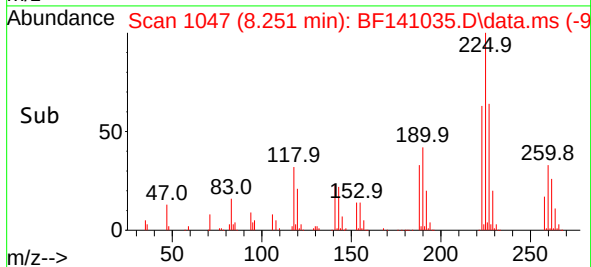
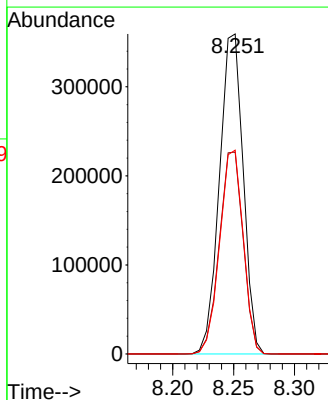
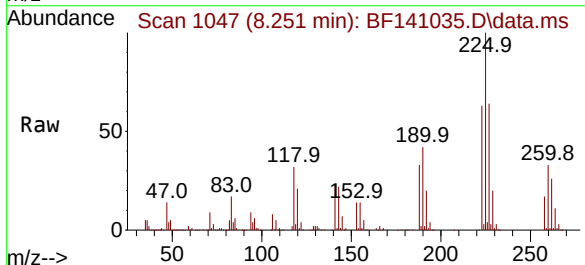
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

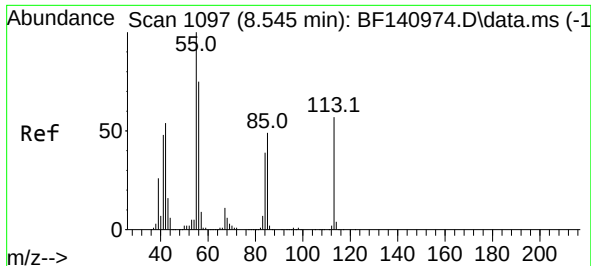
Tgt	Ion:127	Resp:	107445
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.1	39.1
65	29.0	24.6	37.0
92	18.8	15.8	23.6



#34
Hexachlorobutadiene
Concen: 48.937 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

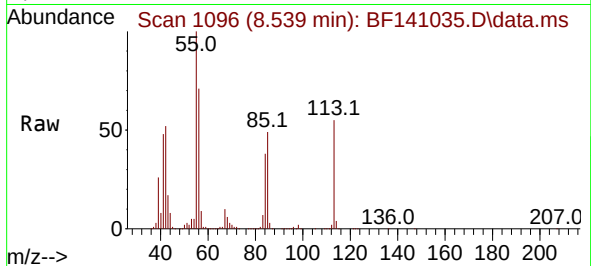
Tgt Ion:225	Resp: 487950
Ion Ratio	Lower Upper
225 100	
223 63.1	50.3 75.5
227 63.7	50.8 76.2



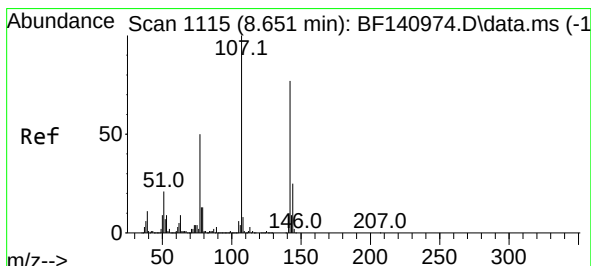
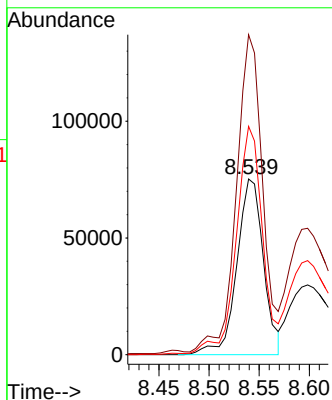
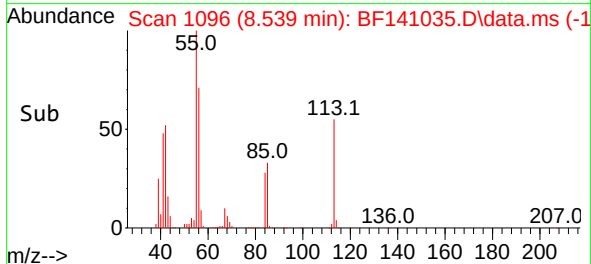


#35
Caprolactam
Concen: 27.367 ng
RT: 8.539 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

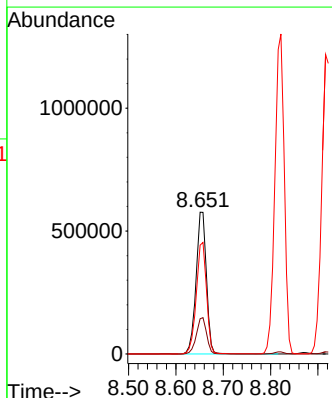
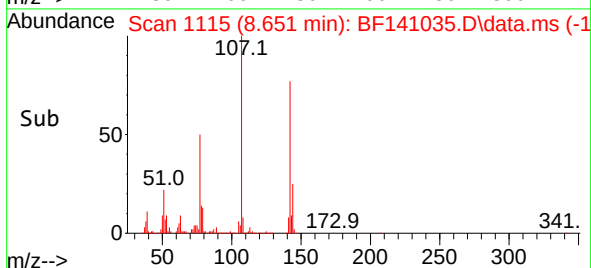
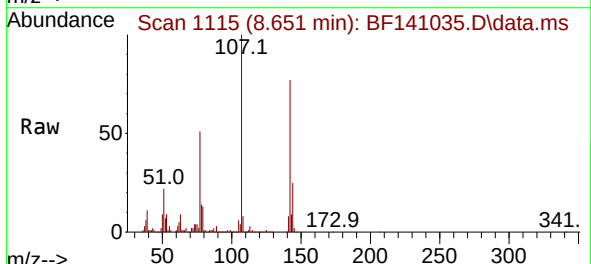


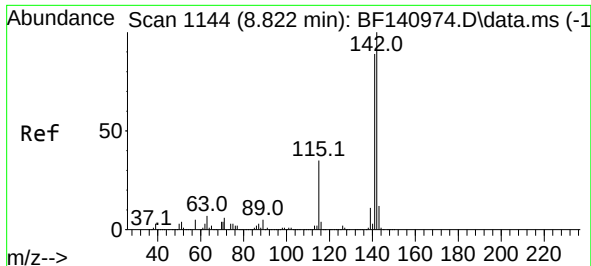
Tgt Ion:113 Resp: 139025
Ion Ratio Lower Upper
113 100
55 182.1 156.6 196.6
56 130.0 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 52.732 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:107 Resp: 875097
Ion Ratio Lower Upper
107 100
144 24.8 19.9 29.9
142 76.8 61.8 92.8

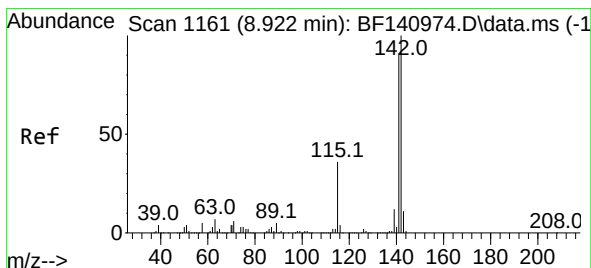
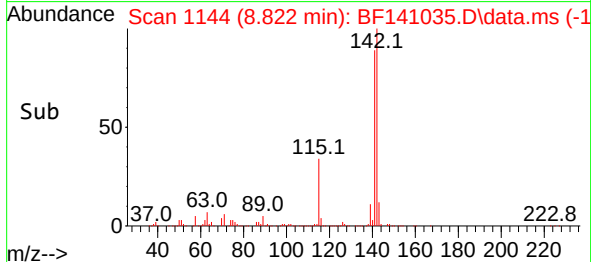
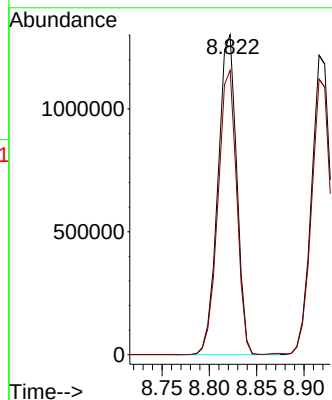
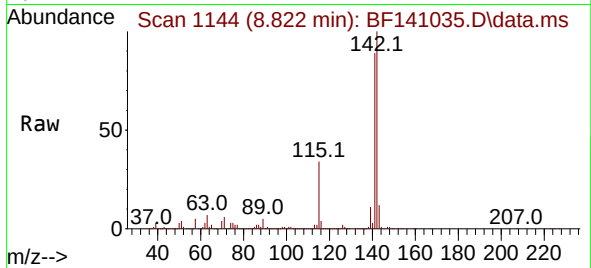




#37
2-Methylnaphthalene
Concen: 50.162 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

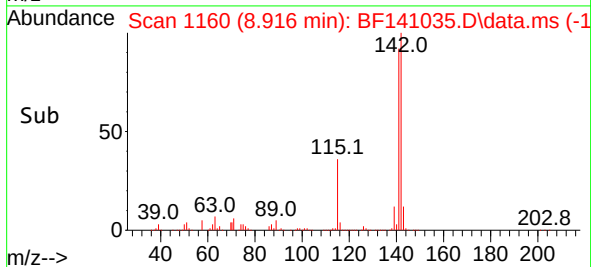
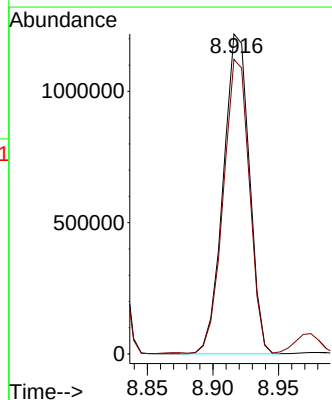
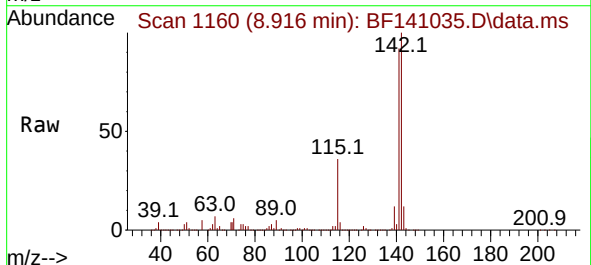
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

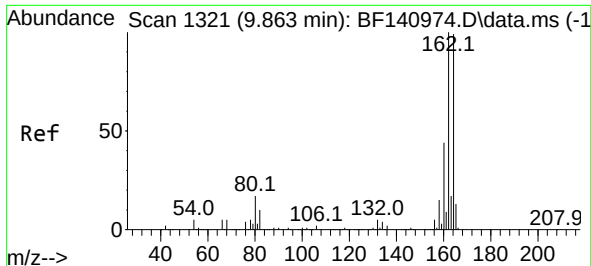
Tgt Ion:142 Resp: 1792341
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7



#38
1-Methylnaphthalene
Concen: 48.007 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:142 Resp: 1685792
Ion Ratio Lower Upper
142 100
141 92.1 72.7 109.1

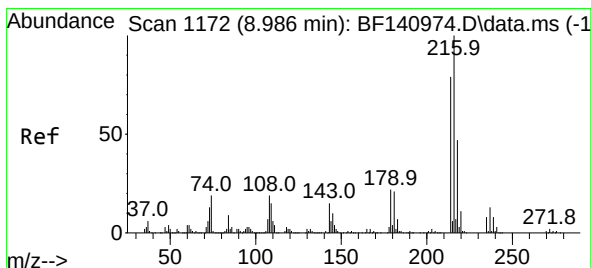
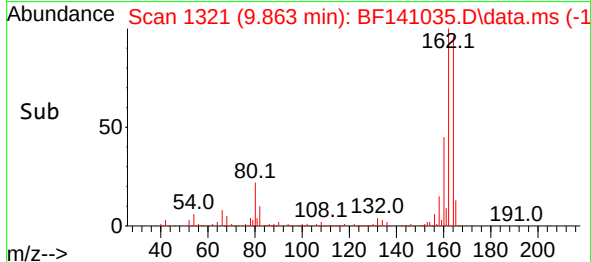
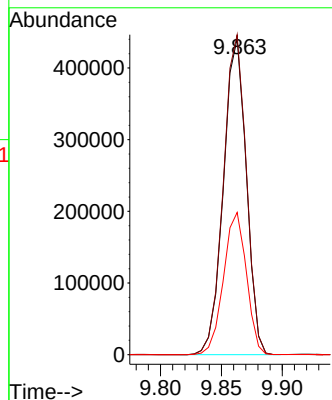
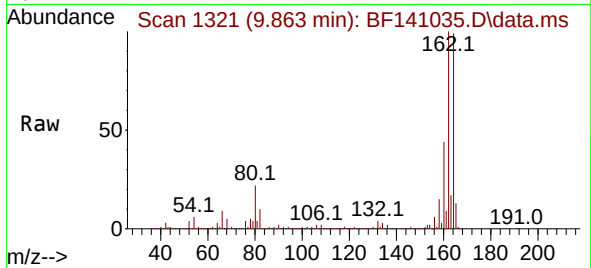




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

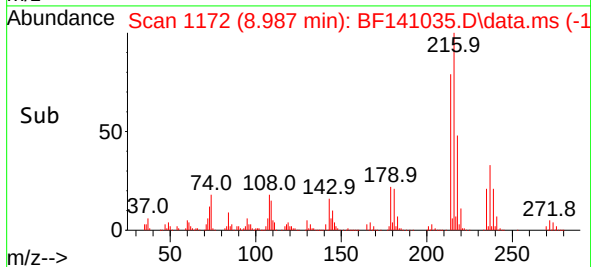
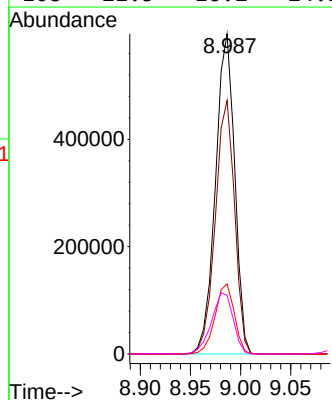
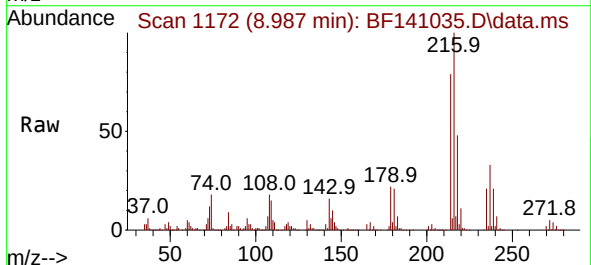
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

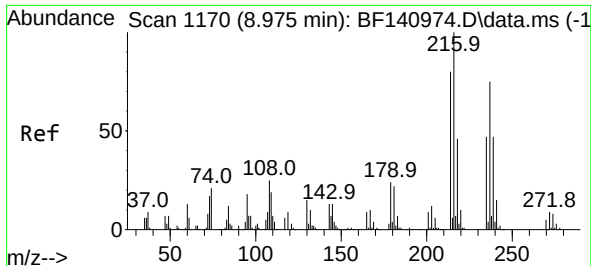
Tgt Ion:164 Resp: 575830
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.0 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.124 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

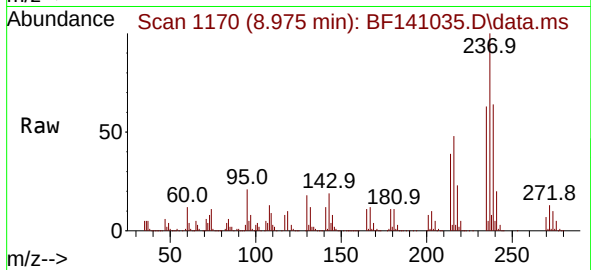
Tgt Ion:216 Resp: 794053
Ion Ratio Lower Upper
216 100
214 79.3 63.0 94.6
179 22.0 17.9 26.9
108 21.5 16.2 24.2



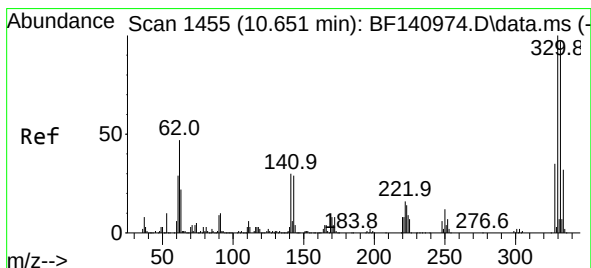
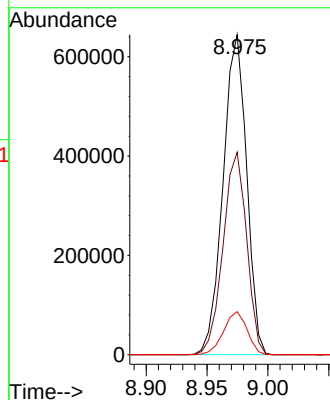
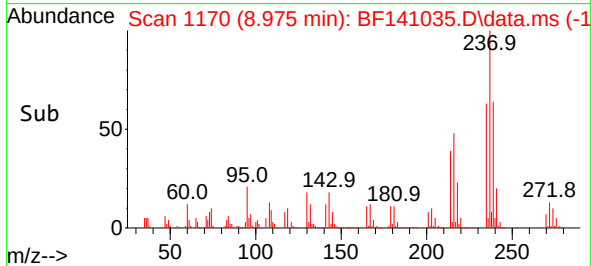


#41
Hexachlorocyclopentadiene
Concen: 165.423 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

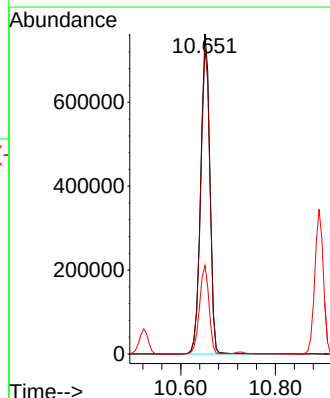
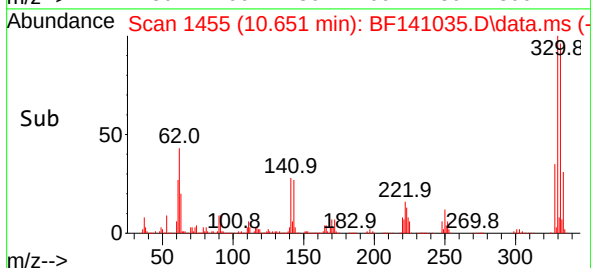
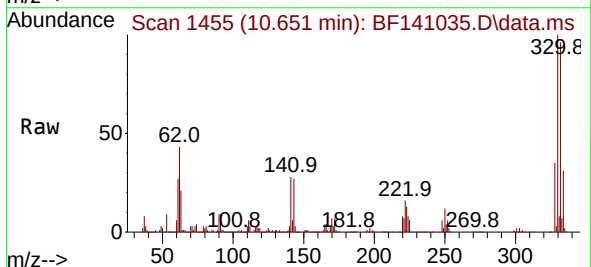


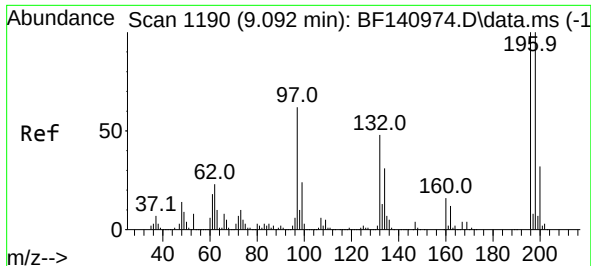
Tgt Ion:237 Resp: 868435
Ion Ratio Lower Upper
237 100
235 63.2 43.4 83.4
272 13.4 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 183.985 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:330 Resp: 1029465
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 28.4 26.4 39.6

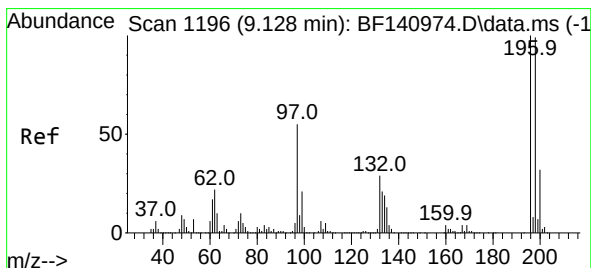
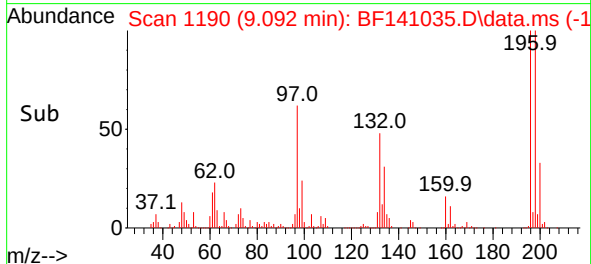
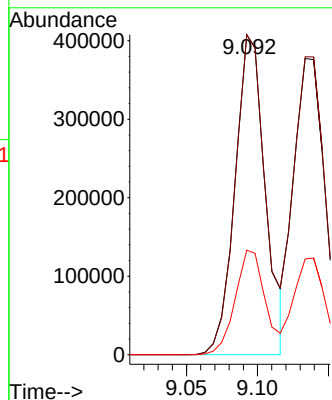
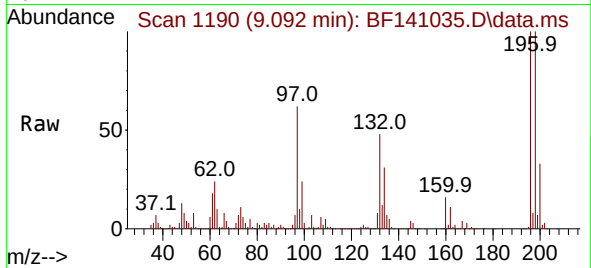




#43
2,4,6-Trichlorophenol
Concen: 57.150 ng
RT: 9.092 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

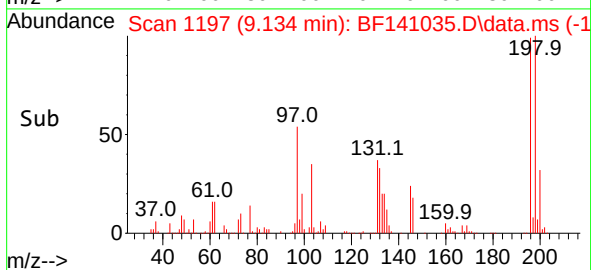
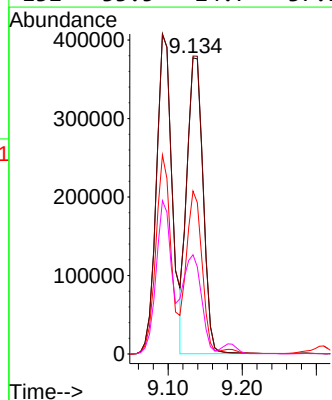
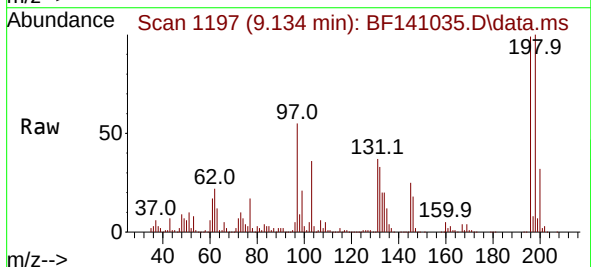
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

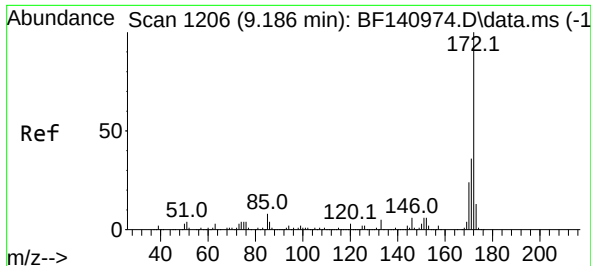
Tgt Ion:196 Resp: 602565
Ion Ratio Lower Upper
196 100
198 99.9 80.2 120.4
200 32.7 25.8 38.6



#44
2,4,5-Trichlorophenol
Concen: 53.011 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:196 Resp: 571889
Ion Ratio Lower Upper
196 100
198 100.6 79.9 119.9
97 55.0 44.3 66.5
132 33.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 99.822 ng

RT: 9.187 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

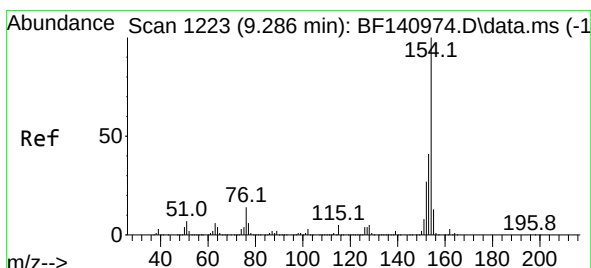
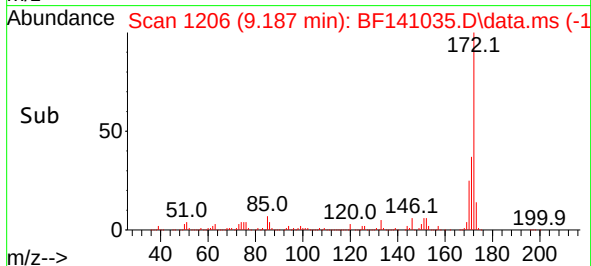
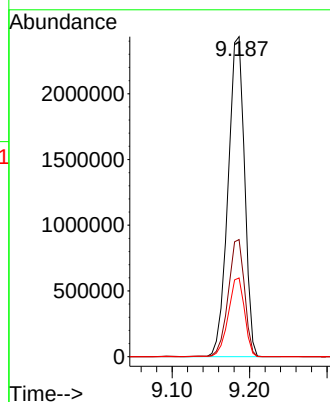
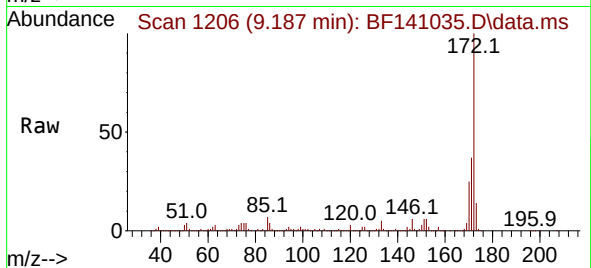
Tgt Ion:172 Resp: 3607771

Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.4

170 24.6 19.6 29.4



#46

1,1'-Biphenyl

Concen: 49.777 ng

RT: 9.287 min Scan# 1223

Delta R.T. 0.001 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

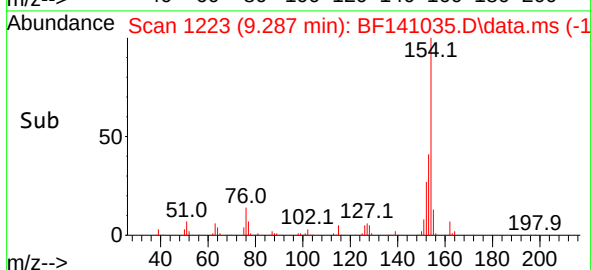
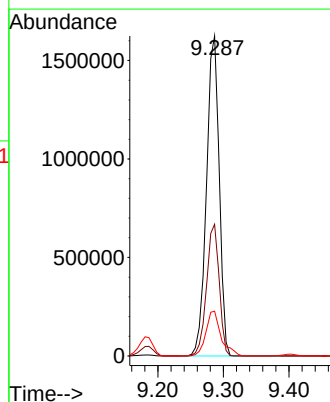
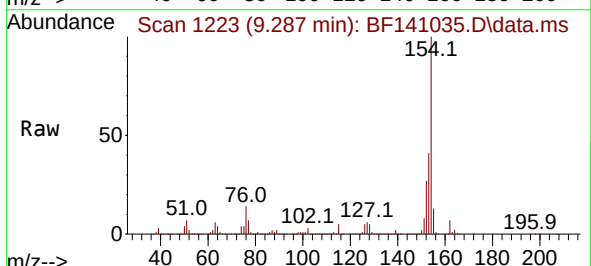
Tgt Ion:154 Resp: 2194698

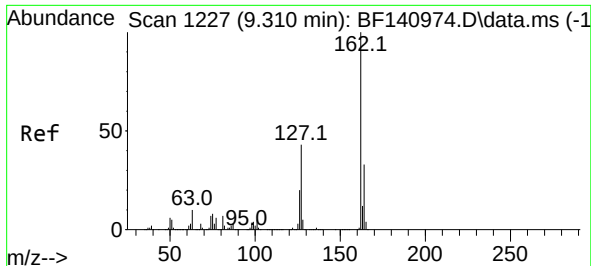
Ion Ratio Lower Upper

154 100

153 41.1 20.9 60.9

76 14.0 0.0 34.0

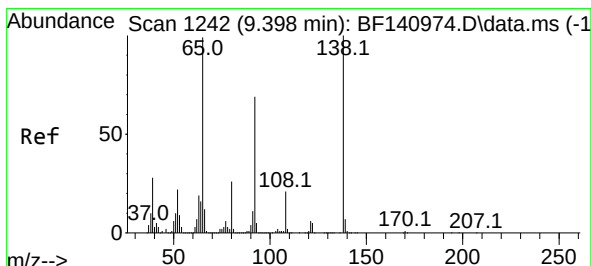
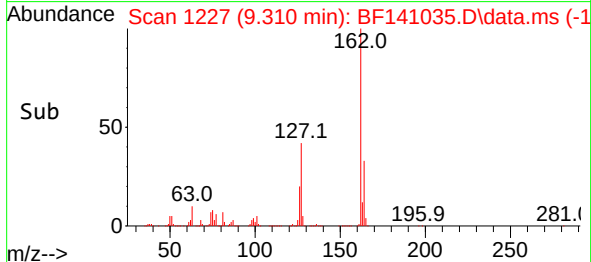
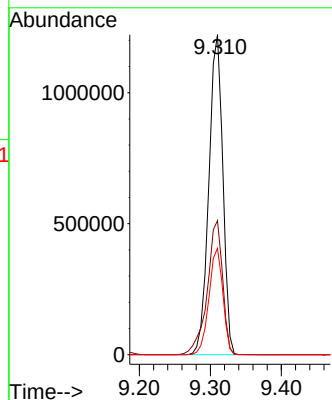
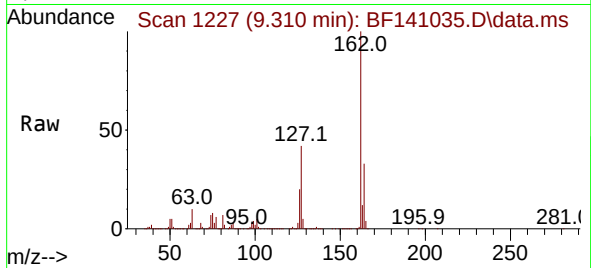




#47
2-Chloronaphthalene
Concen: 49.076 ng
RT: 9.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

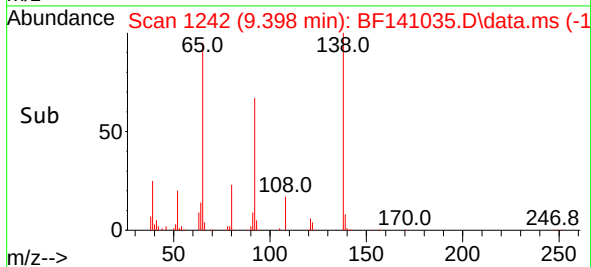
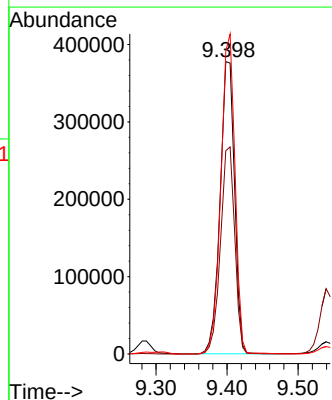
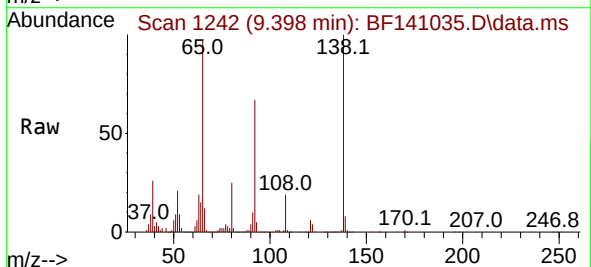
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

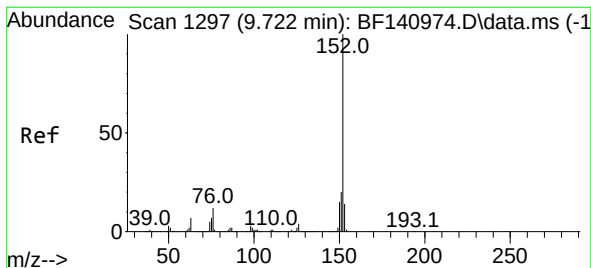
Tgt Ion:162 Resp: 1678203
Ion Ratio Lower Upper
162 100
127 41.9 34.2 51.4
164 33.3 26.6 40.0



#48
2-Nitroaniline
Concen: 58.468 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion: 65 Resp: 533070
Ion Ratio Lower Upper
65 100
92 69.5 55.6 83.4
138 103.6 80.5 120.7





#49

Acenaphthylene

Concen: 52.383 ng

RT: 9.722 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

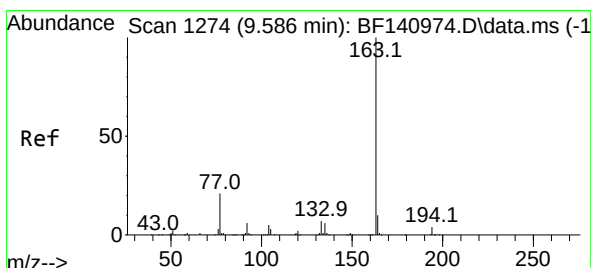
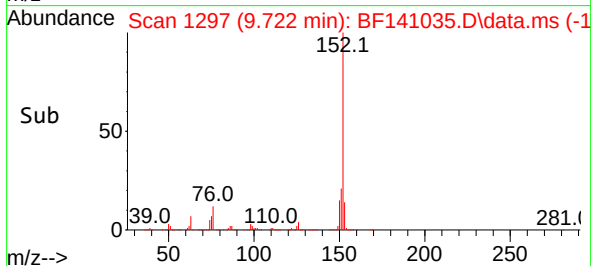
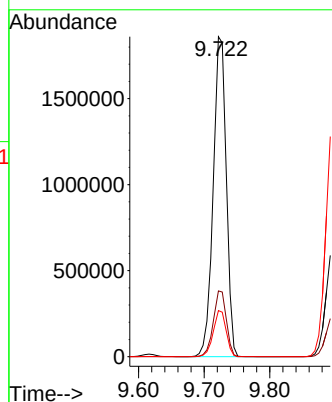
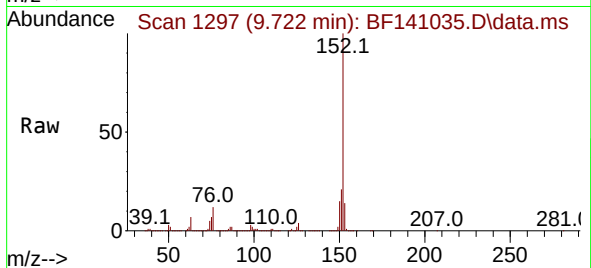
Tgt Ion:152 Resp: 2578615

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

153 14.4 11.4 17.0



#50

Dimethylphthalate

Concen: 52.997 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

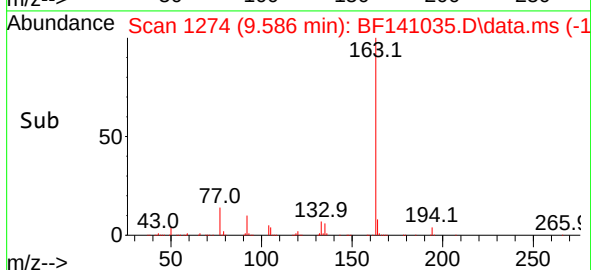
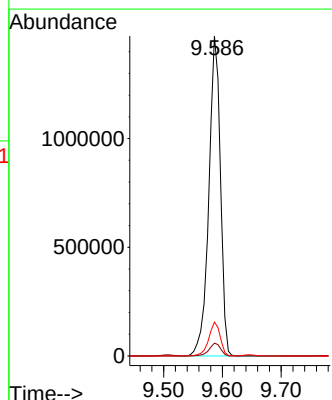
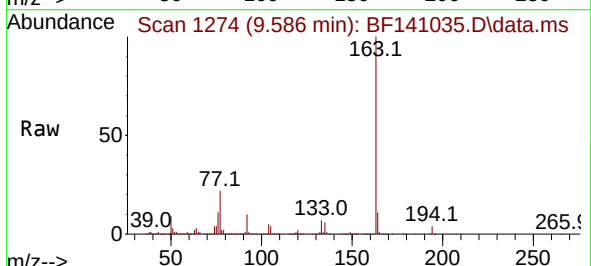
Tgt Ion:163 Resp: 2007342

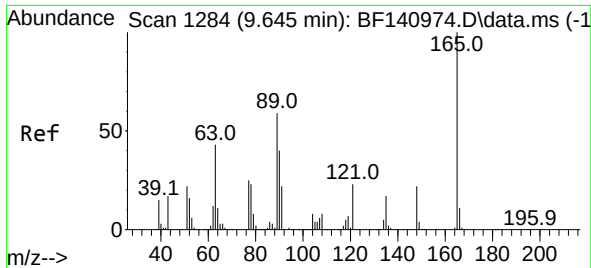
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.6 8.3 12.5

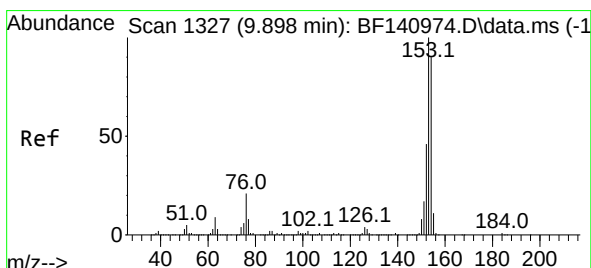
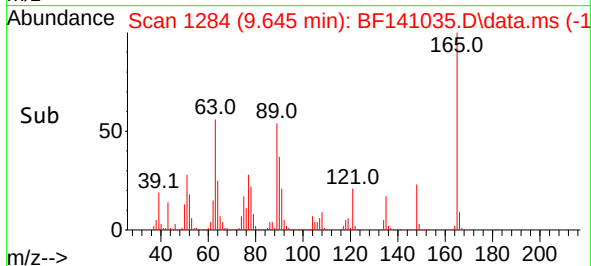
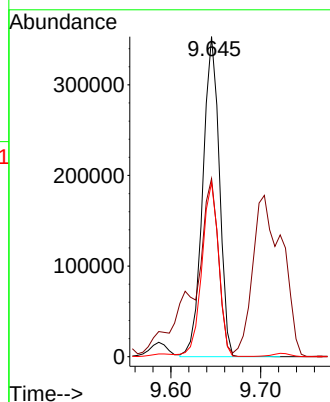
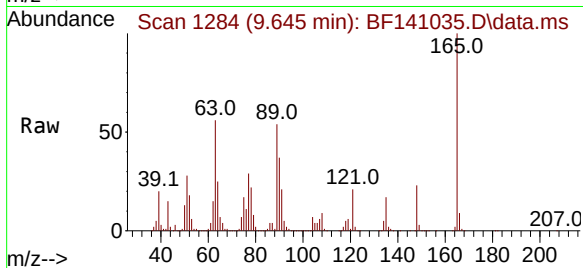




#51
2,6-Dinitrotoluene
Concen: 57.905 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

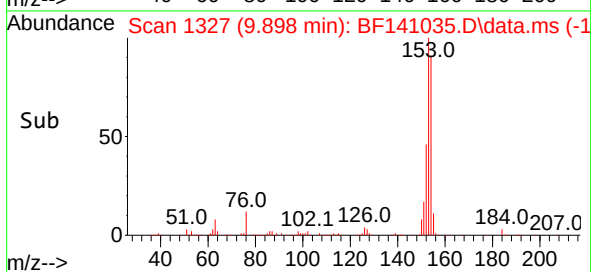
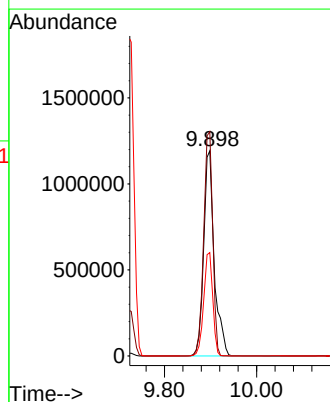
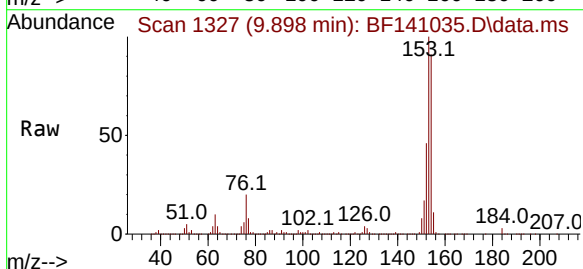
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

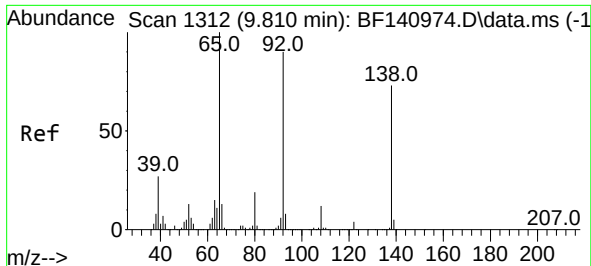
Tgt Ion:165 Resp: 453583
Ion Ratio Lower Upper
165 100
63 55.6 47.1 70.7
89 54.5 47.0 70.4



#52
Acenaphthene
Concen: 57.626 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:154 Resp: 1917734
Ion Ratio Lower Upper
154 100
153 109.3 89.2 133.8
152 50.4 40.9 61.3

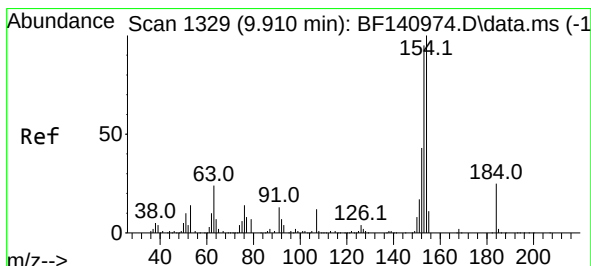
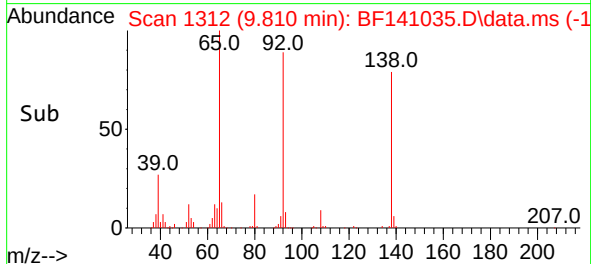
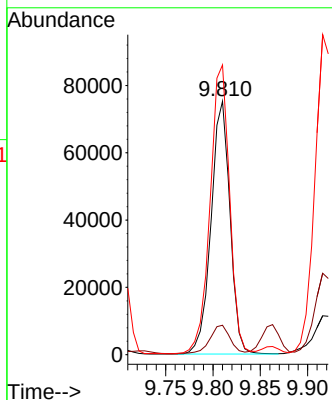
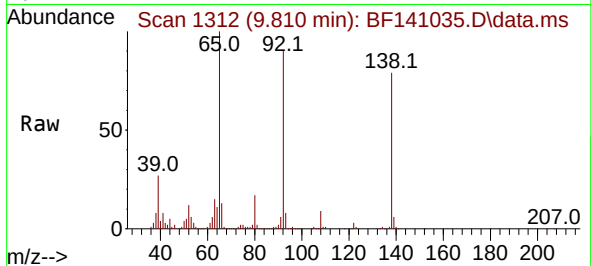




#53
3-Nitroaniline
Concen: 14.868 ng
RT: 9.810 min Scan# 111
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

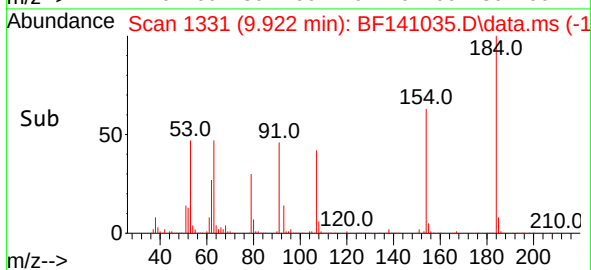
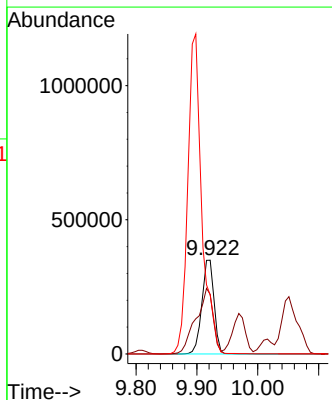
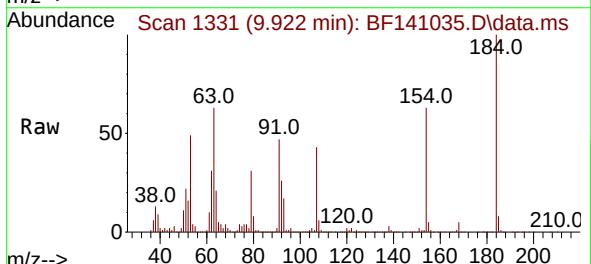
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

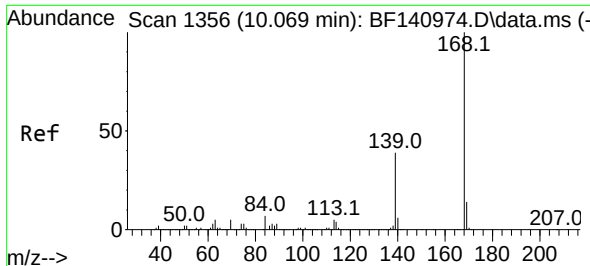
Tgt Ion:138 Resp: 104584
Ion Ratio Lower Upper
138 100
108 11.6 13.5 20.3#
92 114.3 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 125.516 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:184 Resp: 487802
Ion Ratio Lower Upper
184 100
63 63.5 81.6 122.4#
154 62.9 363.5 545.3#

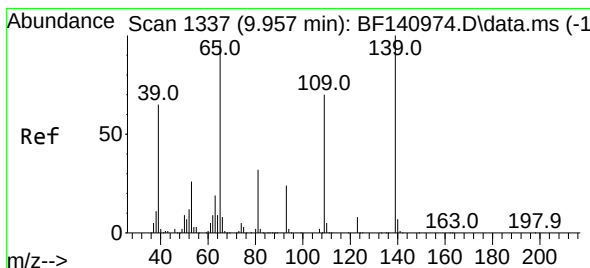
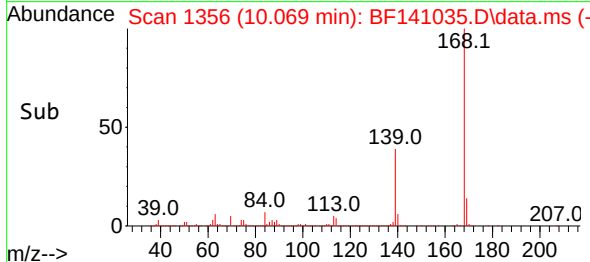
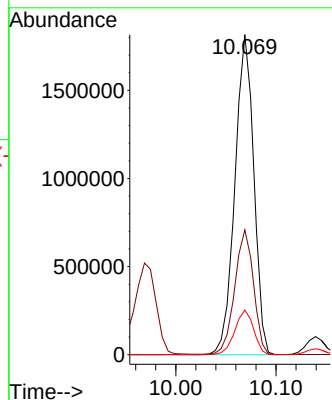
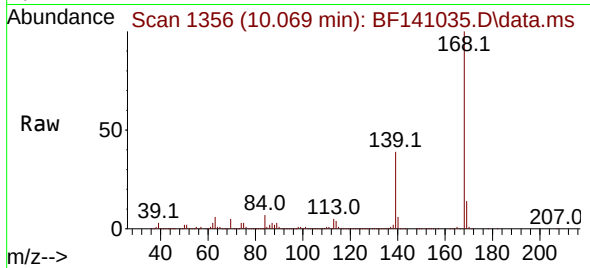




#55
Dibenzenofuran
Concen: 50.973 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

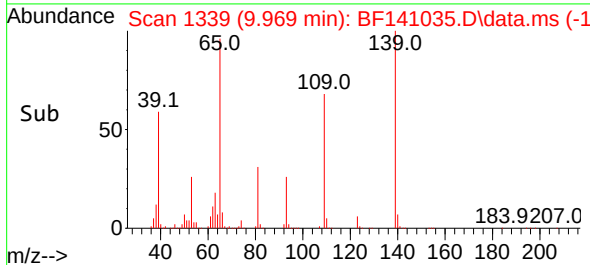
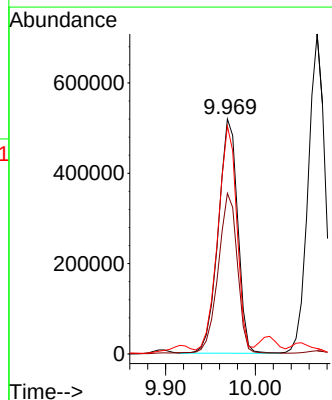
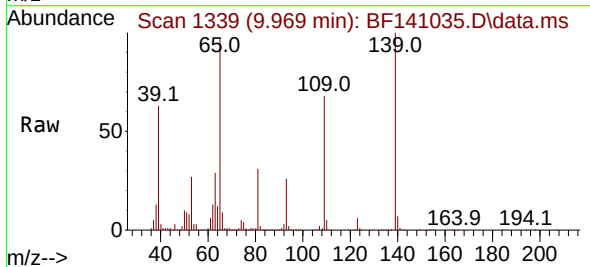
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

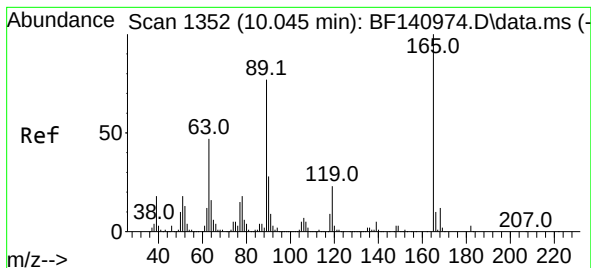
Tgt Ion:168 Resp: 2383944
Ion Ratio Lower Upper
168 100
139 39.0 31.6 47.4
169 14.0 11.0 16.6



#56
4-Nitrophenol
Concen: 120.152 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:139 Resp: 778468
Ion Ratio Lower Upper
139 100
109 68.3 50.8 90.8
65 97.0 78.5 118.5





#57

2,4-Dinitrotoluene

Concen: 62.940 ng

RT: 10.051 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:165 Resp: 609527

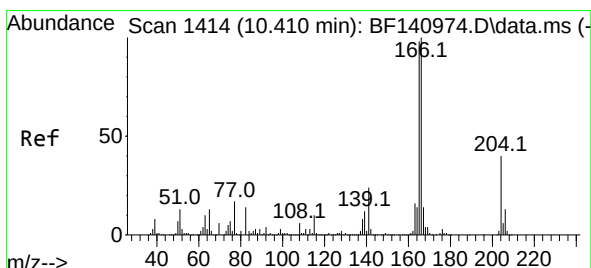
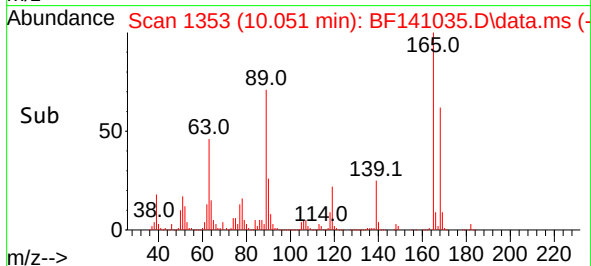
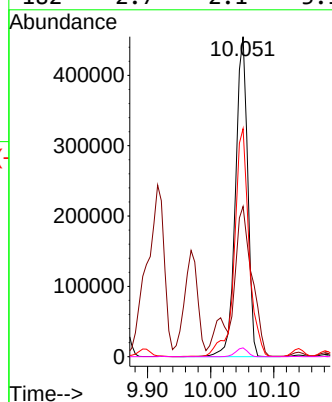
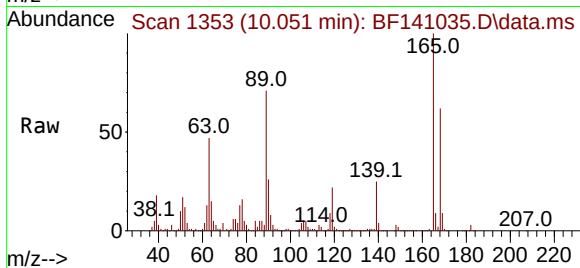
Ion Ratio Lower Upper

165 100

63 46.9 38.1 57.1

89 71.3 61.4 92.2

182 2.7 2.1 3.1



#58

Fluorene

Concen: 49.724 ng

RT: 10.410 min Scan# 1414

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

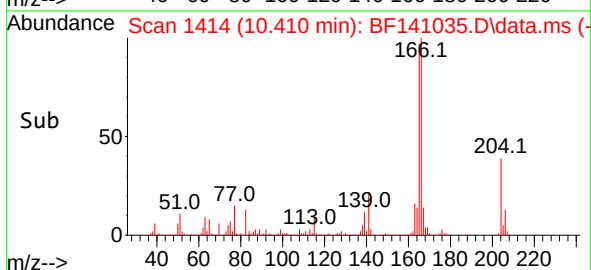
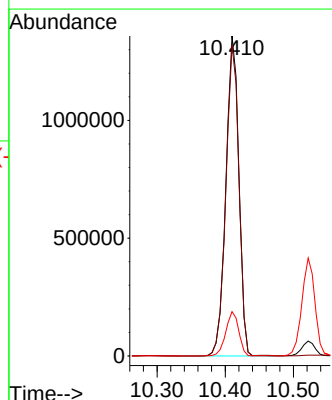
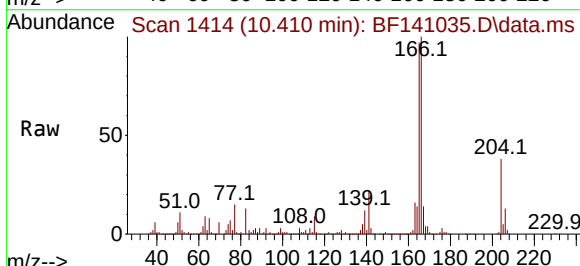
Tgt Ion:166 Resp: 1803331

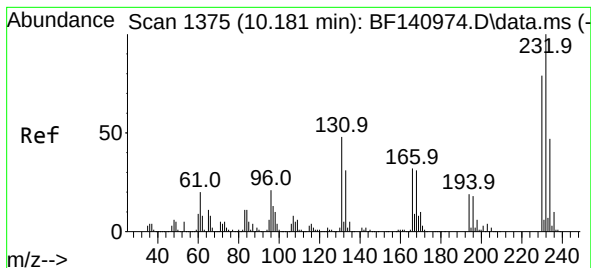
Ion Ratio Lower Upper

166 100

165 97.1 78.3 117.5

167 13.9 10.9 16.3

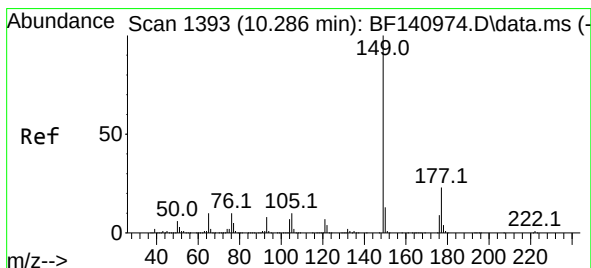
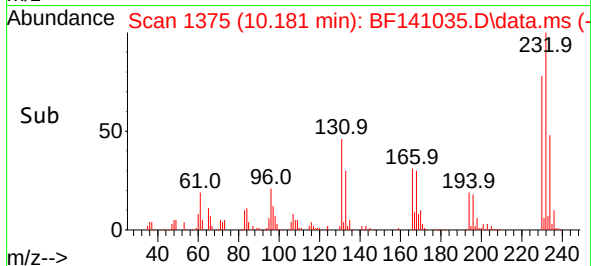
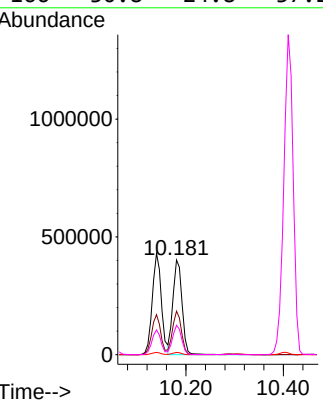
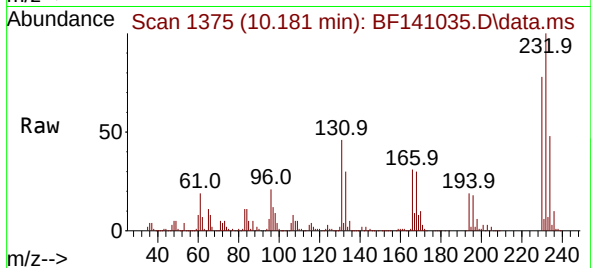




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.331 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

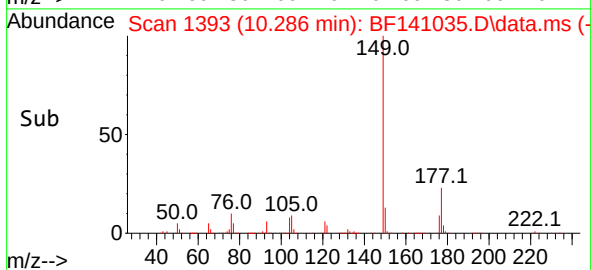
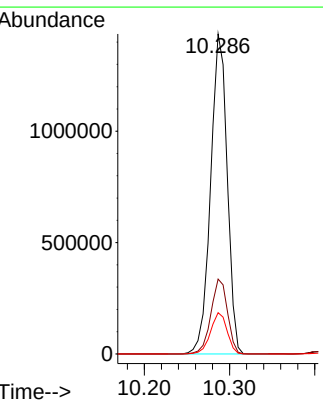
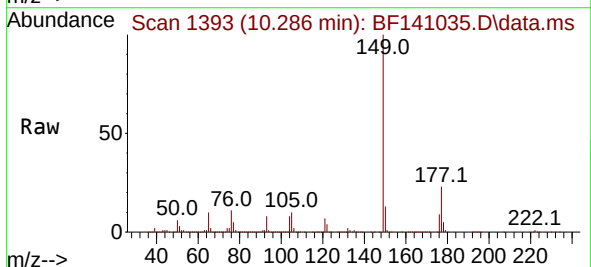
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

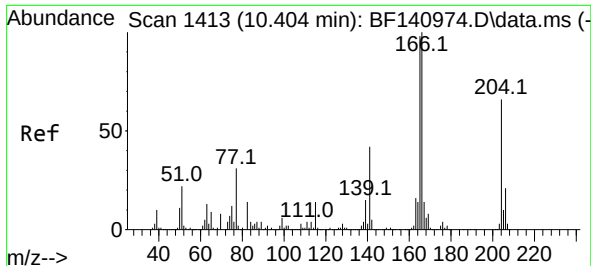
Tgt Ion:232 Resp: 521164
Ion Ratio Lower Upper
232 100
131 45.5 37.4 56.2
130 2.3 1.8 2.8
166 30.8 24.8 37.2



#60
Diethylphthalate
Concen: 51.898 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:149 Resp: 1940604
Ion Ratio Lower Upper
149 100
177 23.4 18.3 27.5
150 12.9 10.4 15.6

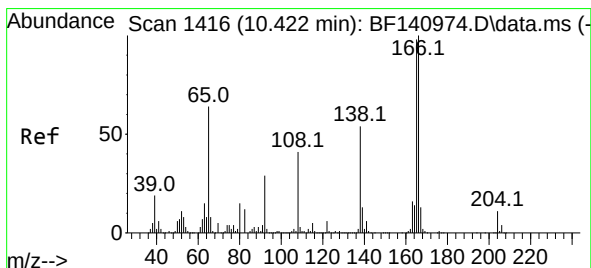
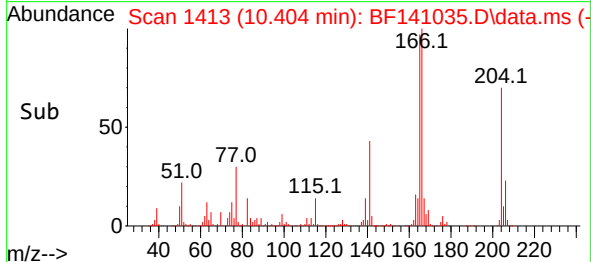
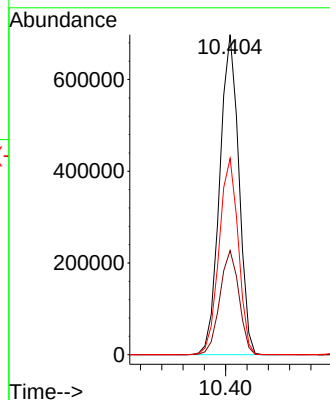
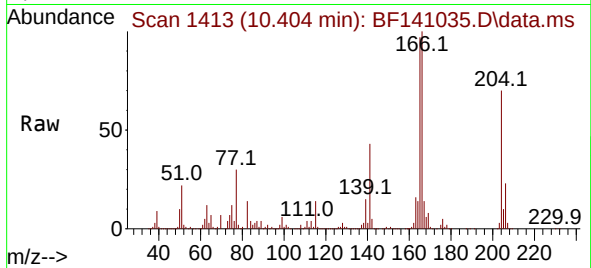




#61
4-Chlorophenyl-phenylether
Concen: 49.680 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

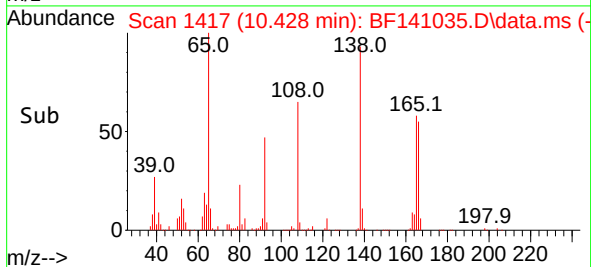
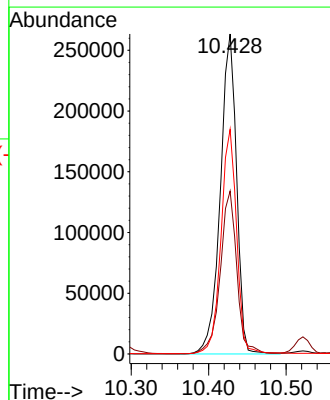
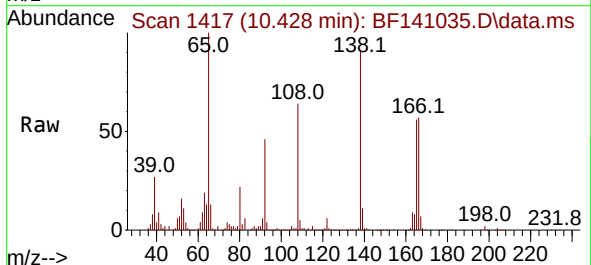
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

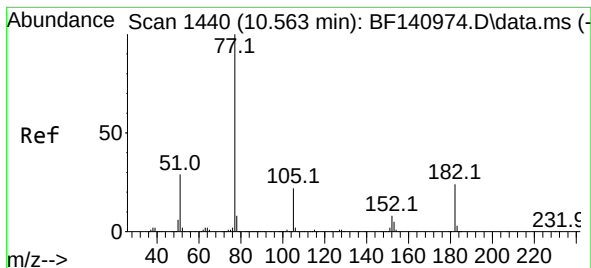
Tgt Ion:204 Resp: 866956
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.6
141 61.3 51.2 76.8



#62
4-Nitroaniline
Concen: 45.894 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:138 Resp: 383814
Ion Ratio Lower Upper
138 100
92 50.9 34.8 74.8
108 70.2 55.9 95.9





#63

Azobenzene

Concen: 49.711 ng

RT: 10.563 min Scan# 1440

Delta R.T. 0.000 min

Lab File: BF141035.D

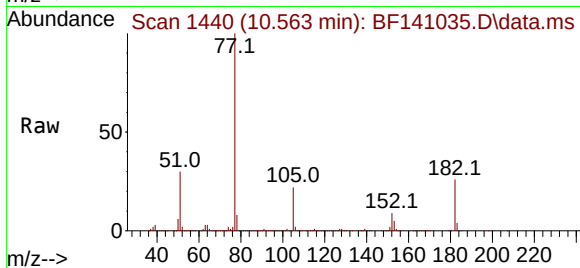
Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

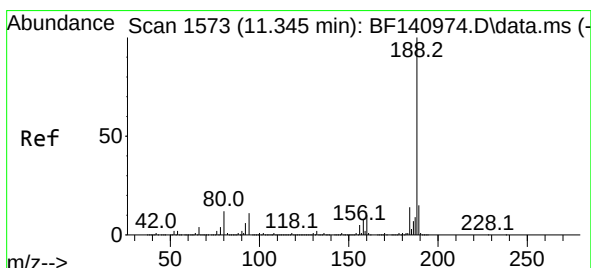
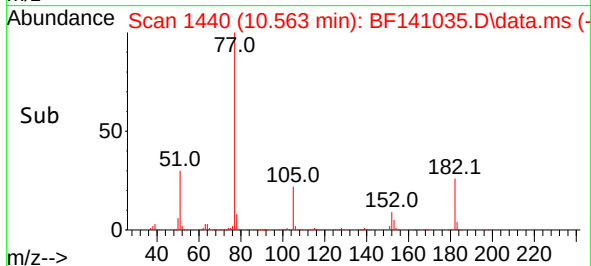
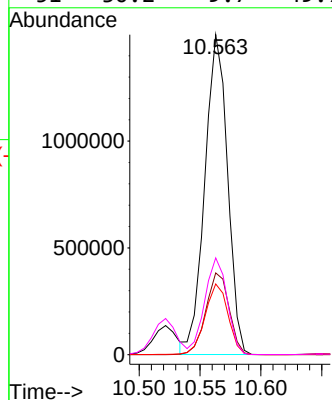
ClientSampleId :

WC-SOIL-20241219MSD



Tgt Ion: 77 Resp: 1951068

Ion	Ratio	Lower	Upper
77	100		
182	25.6	4.1	44.1
105	22.1	1.8	41.8
51	30.2	9.7	49.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

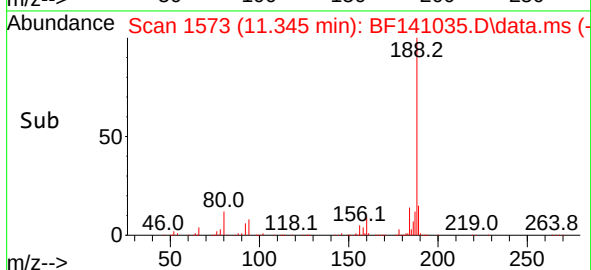
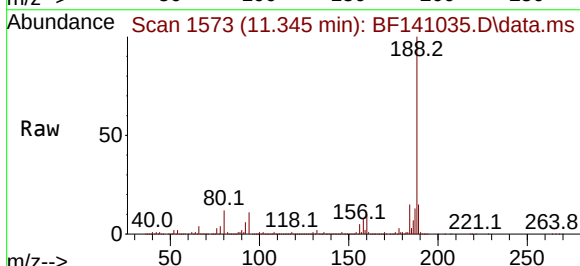
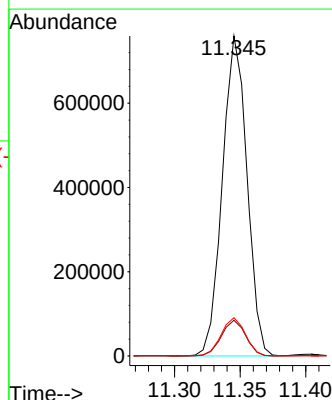
Delta R.T. 0.000 min

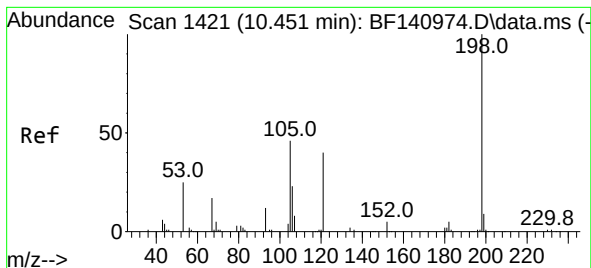
Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Tgt Ion: 188 Resp: 989877

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	11.9	9.8	14.6

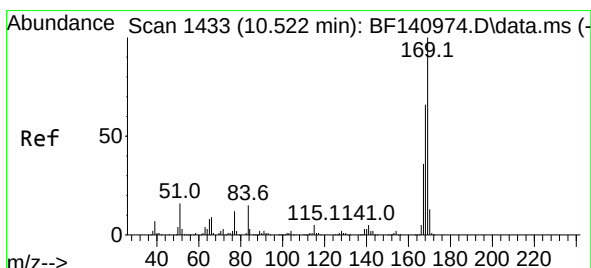
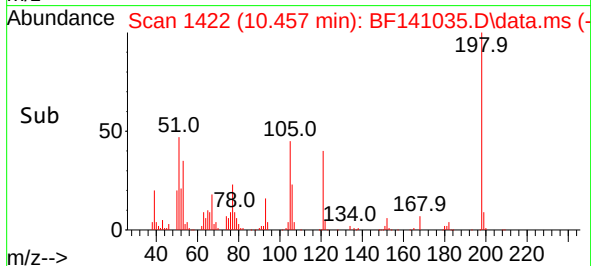
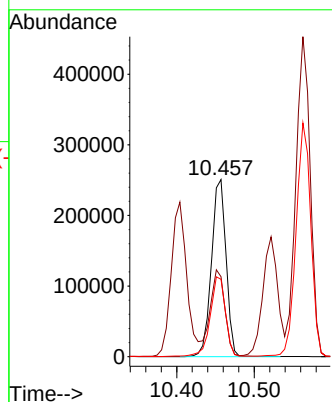
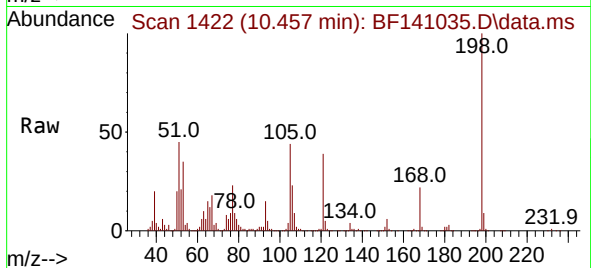




#65
4,6-Dinitro-2-methylphenol
Concen: 76.373 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

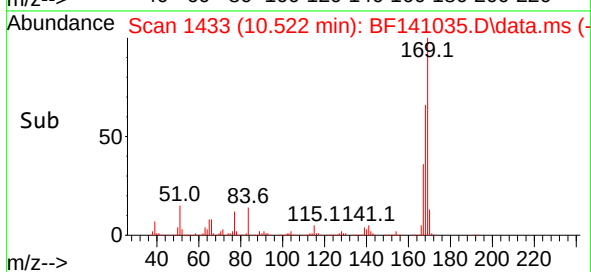
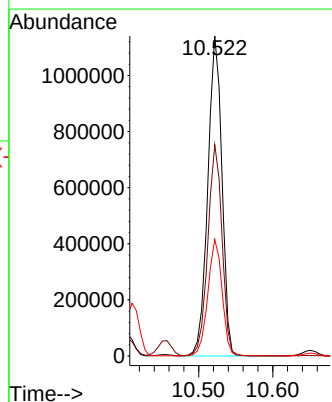
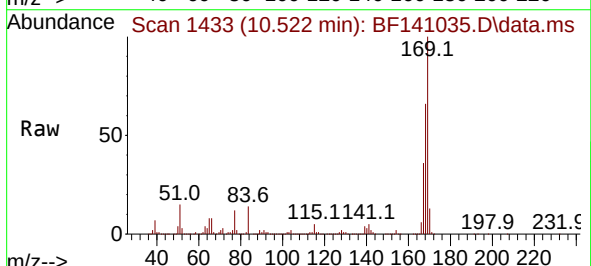
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

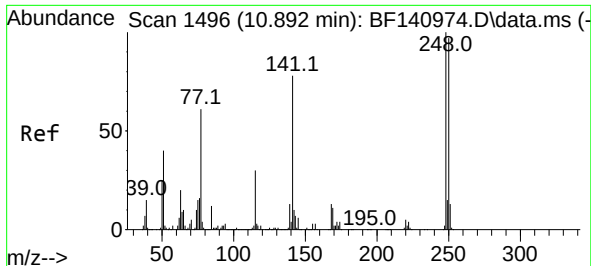
Tgt Ion:198 Resp: 328489
Ion Ratio Lower Upper
198 100
51 45.2 32.3 72.3
105 43.8 28.4 68.4



#66
n-Nitrosodiphenylamine
Concen: 48.393 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:169 Resp: 1508457
Ion Ratio Lower Upper
169 100
168 66.1 52.6 79.0
167 36.4 29.0 43.4





#67

4-Bromophenyl-phenylether

Concen: 54.545 ng

RT: 10.892 min Scan# 1496

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

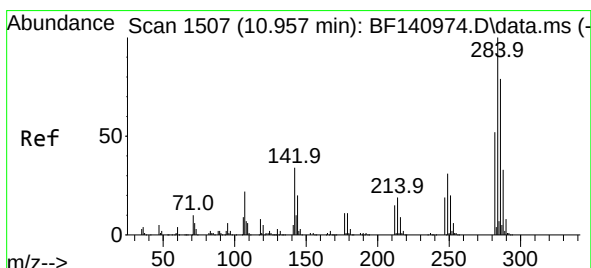
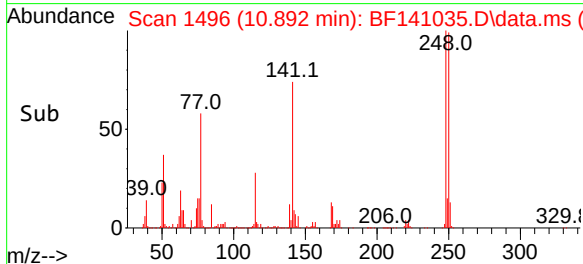
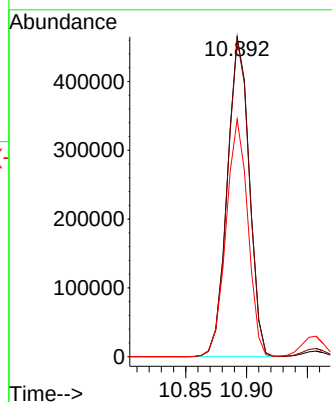
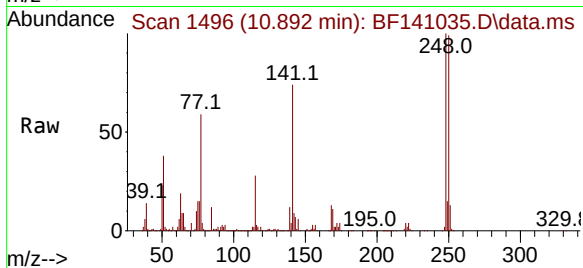
Tgt Ion:248 Resp: 583667

Ion Ratio Lower Upper

248 100

250 99.1 77.7 116.5

141 74.2 62.1 93.1



#68

Hexachlorobenzene

Concen: 54.064 ng

RT: 10.957 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

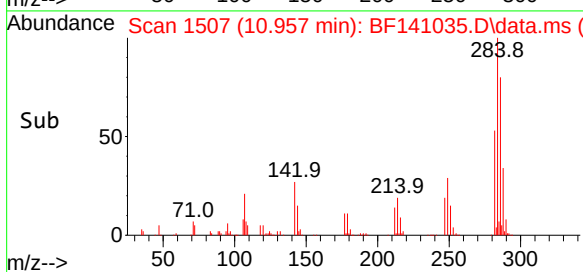
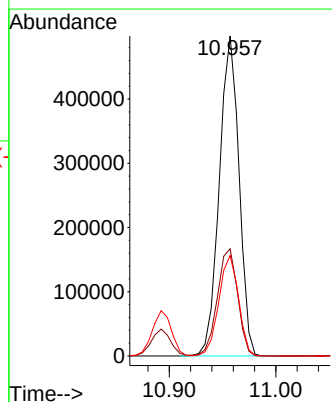
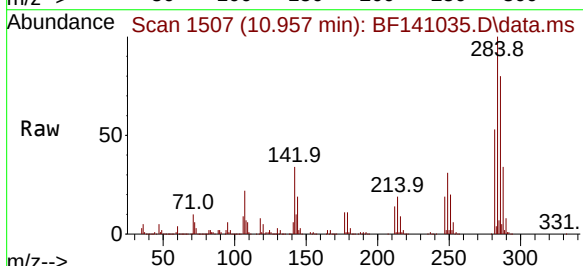
Tgt Ion:284 Resp: 637916

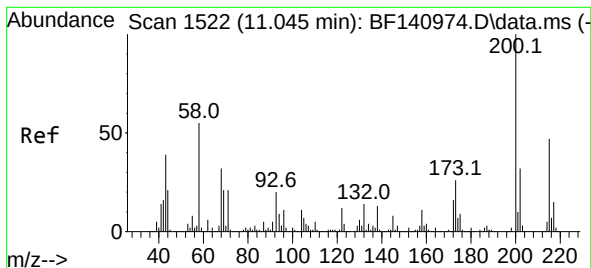
Ion Ratio Lower Upper

284 100

142 33.5 27.1 40.7

249 31.4 25.1 37.7





#69

Atrazine

Concen: 39.186 ng

RT: 11.045 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

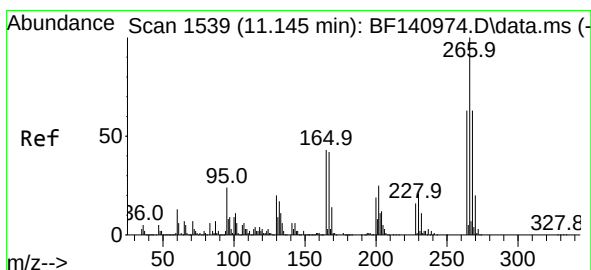
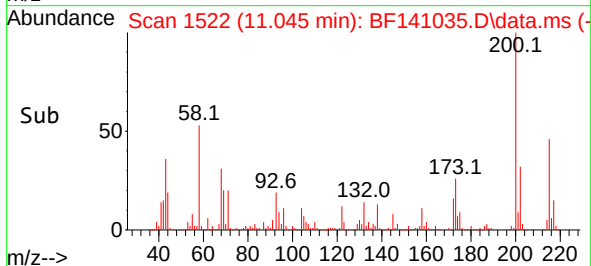
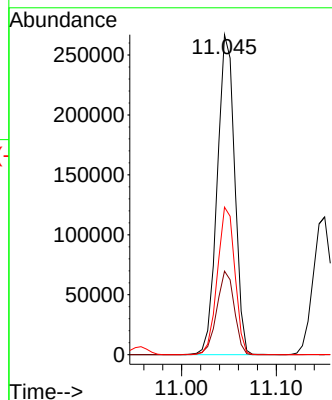
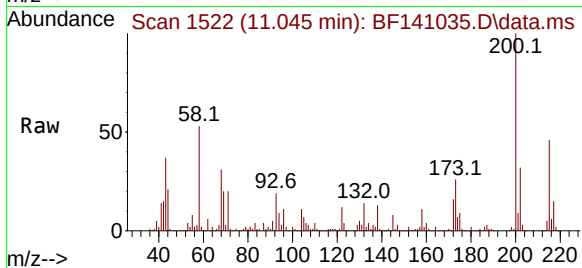
Tgt Ion:200 Resp: 341239

Ion Ratio Lower Upper

200 100

173 26.1 6.4 46.4

215 46.1 27.2 67.2



#70

Pentachlorophenol

Concen: 113.898 ng

RT: 11.151 min Scan# 1540

Delta R.T. 0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

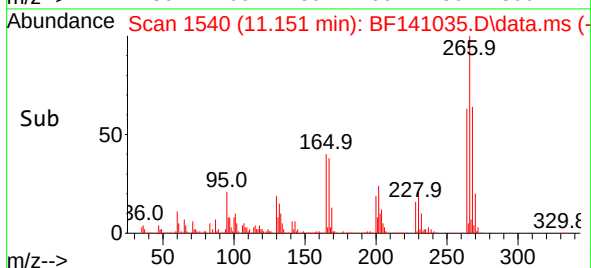
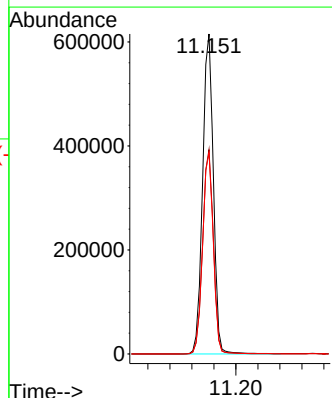
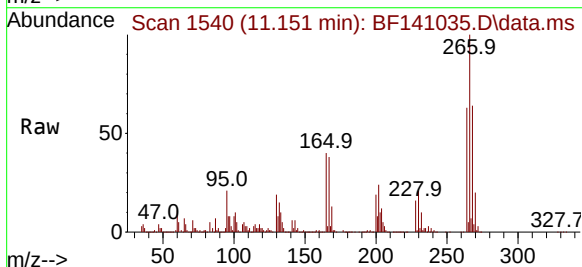
Tgt Ion:266 Resp: 836728

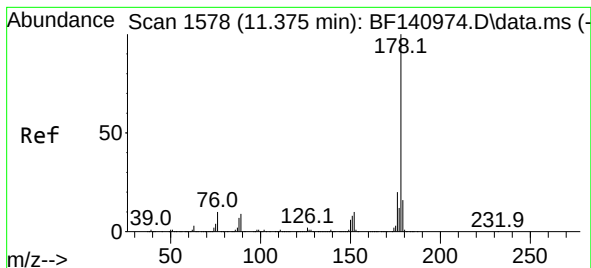
Ion Ratio Lower Upper

266 100

268 63.9 50.5 75.7

264 62.9 50.2 75.4





#71

Phenanthrene

Concen: 52.853 ng

RT: 11.375 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

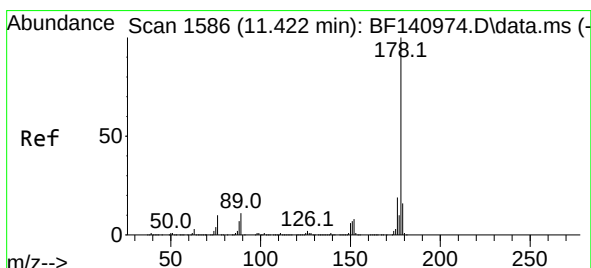
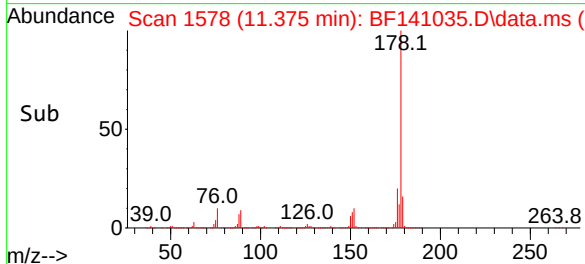
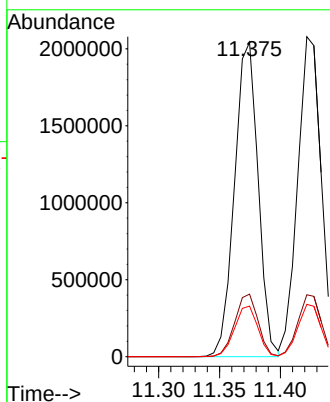
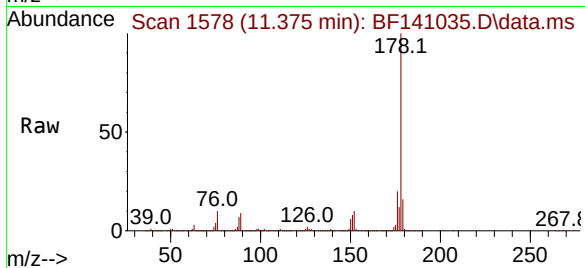
Tgt Ion:178 Resp: 2753546

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

179 16.1 12.6 19.0



#72

Anthracene

Concen: 54.478 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

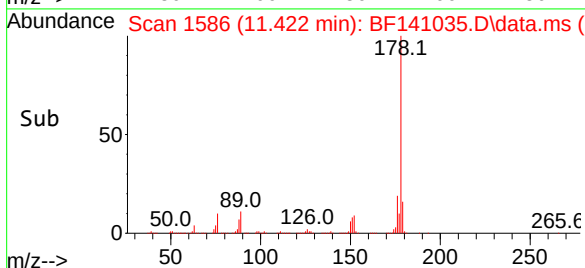
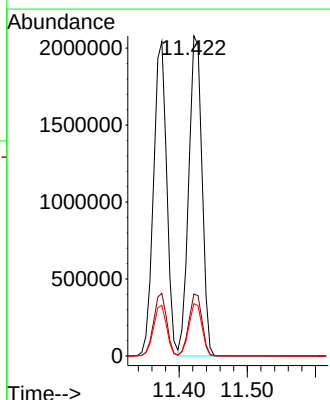
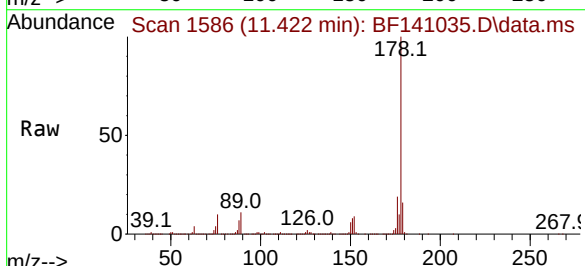
Tgt Ion:178 Resp: 2781083

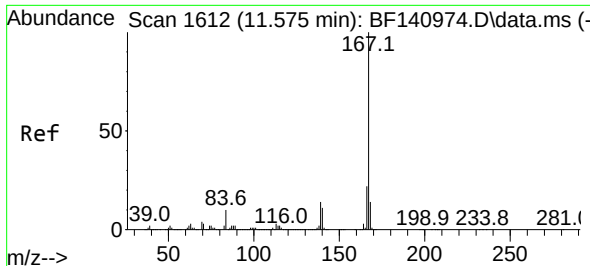
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 16.4 12.9 19.3

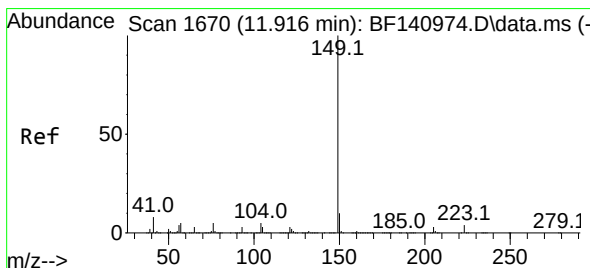
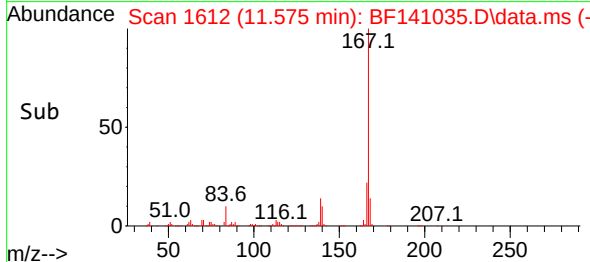
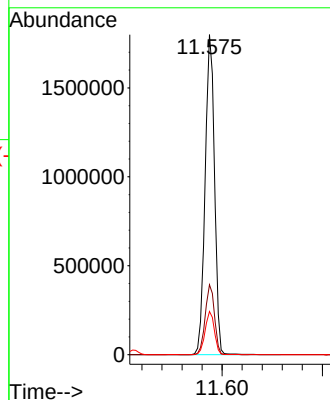
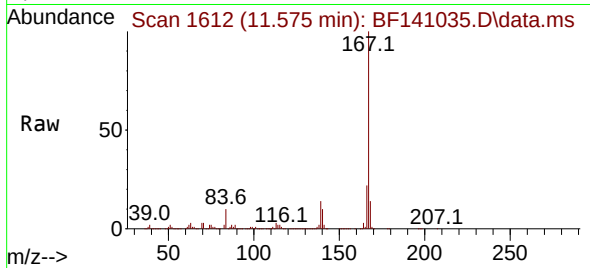




#73
 Carbazole
 Concen: 47.778 ng
 RT: 11.575 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF141035.D
 Acq: 30 Dec 2024 17:13

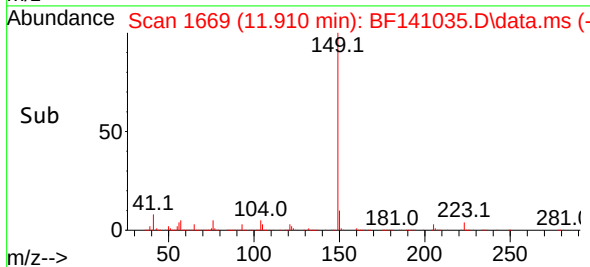
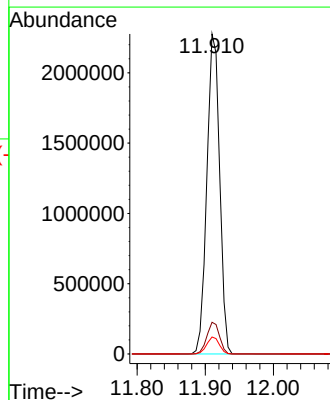
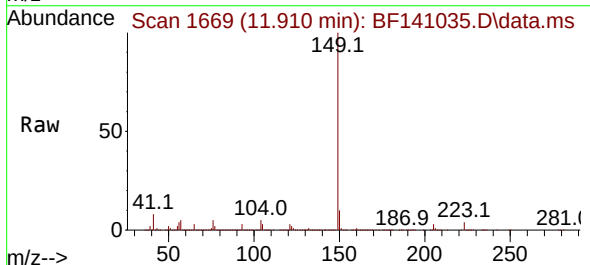
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD

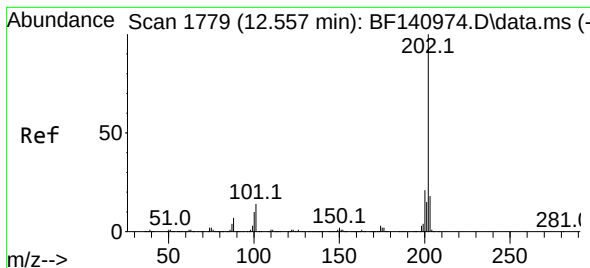
Tgt Ion:167 Resp: 2344701
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 13.5 11.0 16.4



#74
 Di-n-butylphthalate
 Concen: 53.116 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.006 min
 Lab File: BF141035.D
 Acq: 30 Dec 2024 17:13

Tgt Ion:149 Resp: 2964815
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.7 11.5
 104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 50.405 ng

RT: 12.557 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

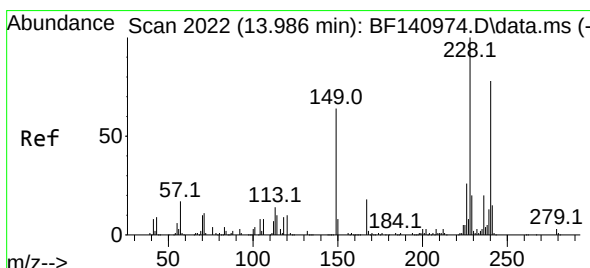
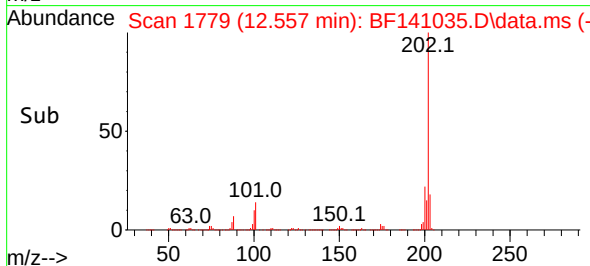
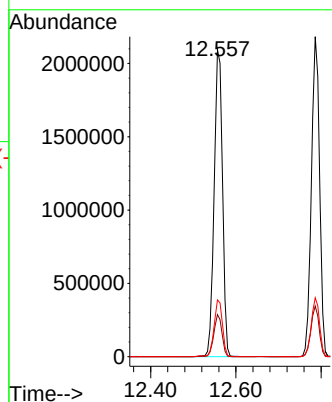
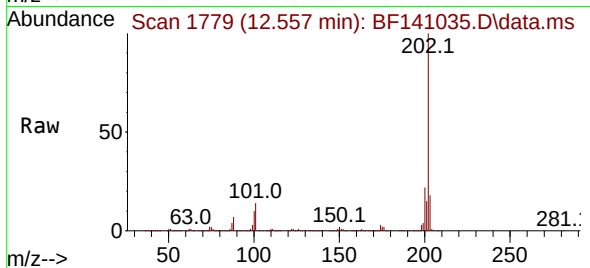
Tgt Ion:202 Resp: 2848048

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.7

203 18.5 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

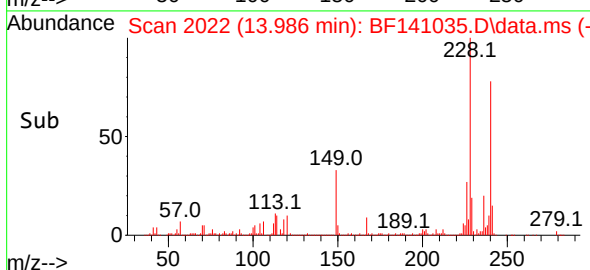
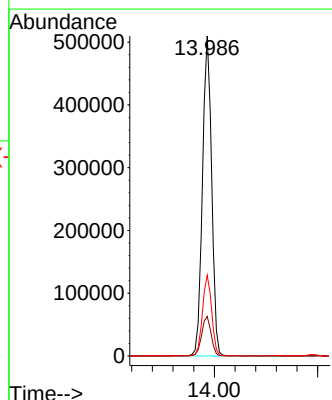
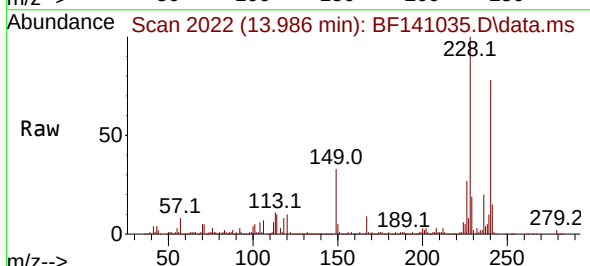
Tgt Ion:240 Resp: 628524

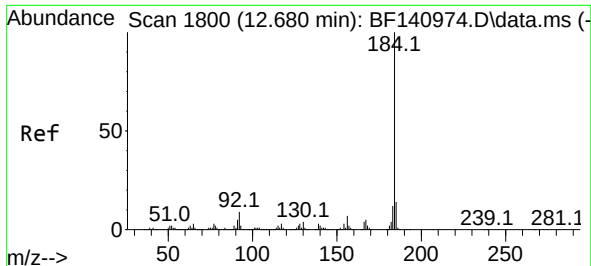
Ion Ratio Lower Upper

240 100

120 12.4 10.7 16.1

236 25.3 20.6 31.0

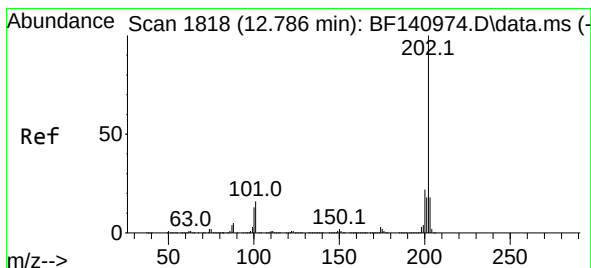
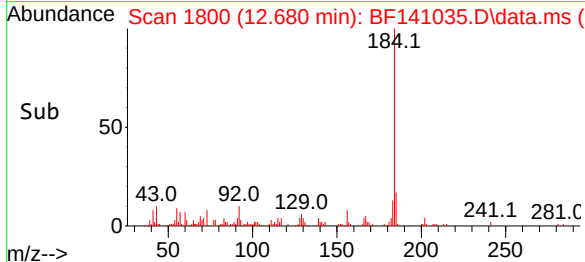
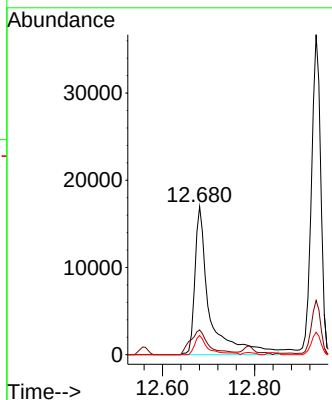
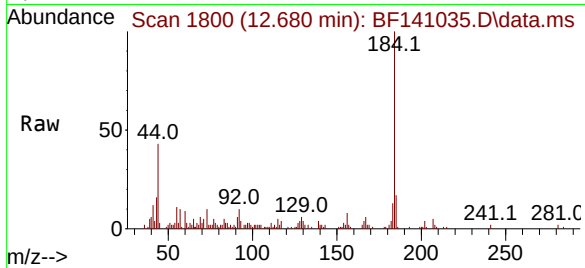




#77
Benzidine
Concen: 2.827 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

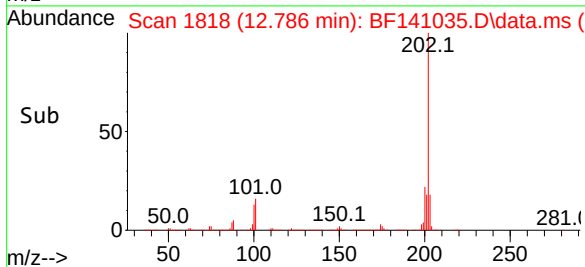
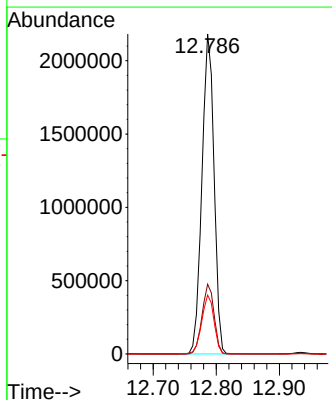
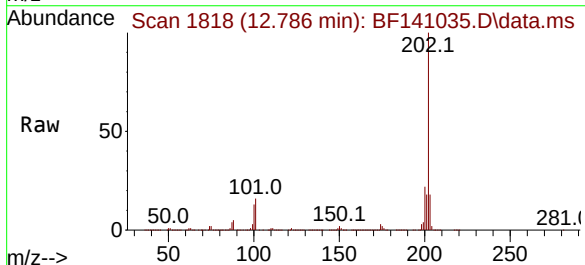
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

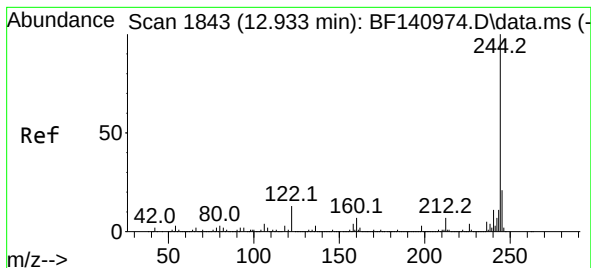
Tgt Ion:184 Resp: 37552
Ion Ratio Lower Upper
184 100
185 16.8 11.4 17.2
183 12.9 9.4 14.0



#78
Pyrene
Concen: 52.905 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:202 Resp: 2908130
Ion Ratio Lower Upper
202 100
200 21.8 17.3 25.9
203 18.4 14.6 21.8





#79

Terphenyl-d14

Concen: 101.454 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

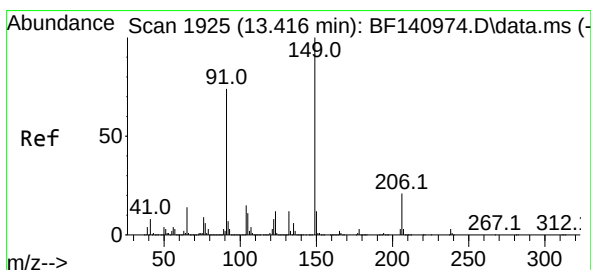
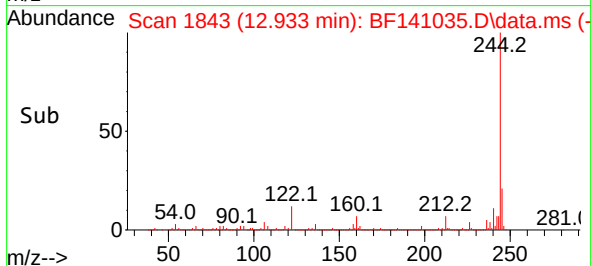
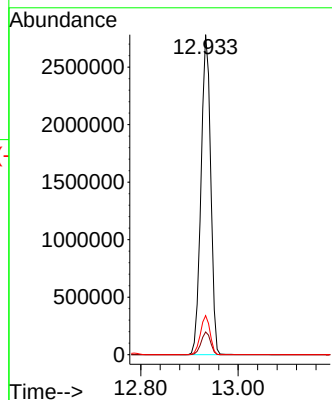
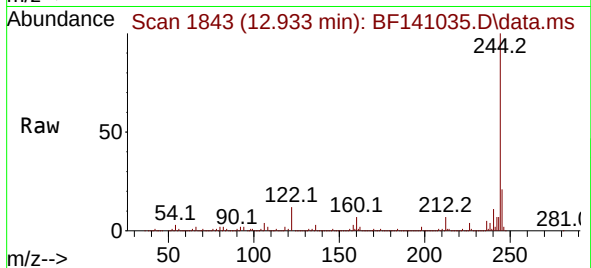
Tgt Ion:244 Resp: 3839033

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 12.2 10.2 15.2



#80

Butylbenzylphthalate

Concen: 59.220 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

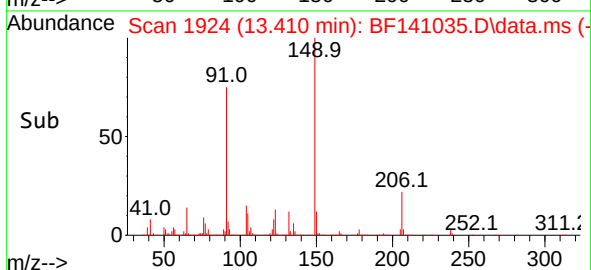
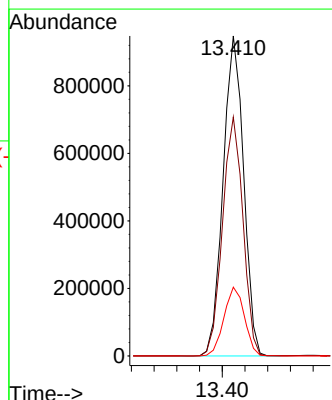
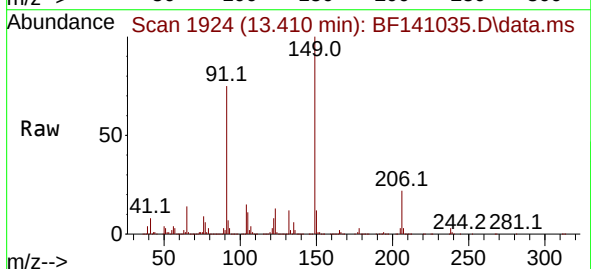
Tgt Ion:149 Resp: 1188667

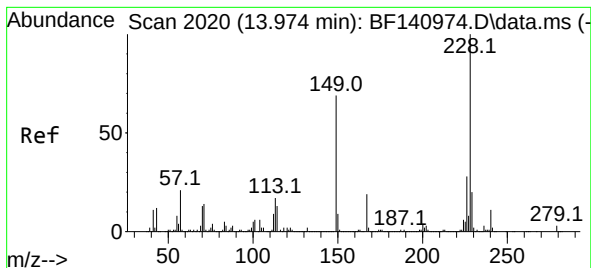
Ion Ratio Lower Upper

149 100

91 74.6 59.5 89.3

206 21.5 17.1 25.7





#81

Benzo(a)anthracene

Concen: 47.714 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

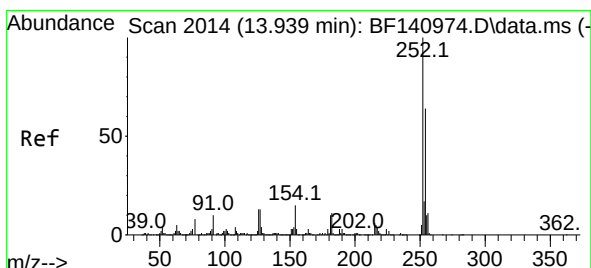
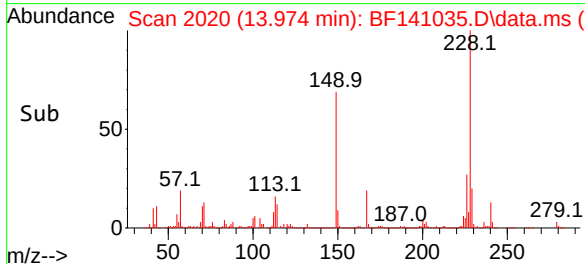
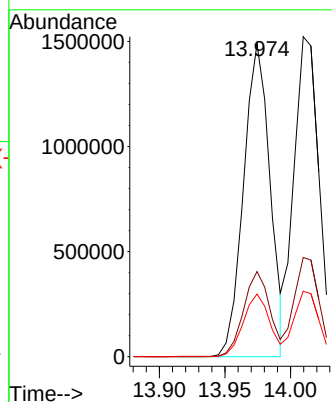
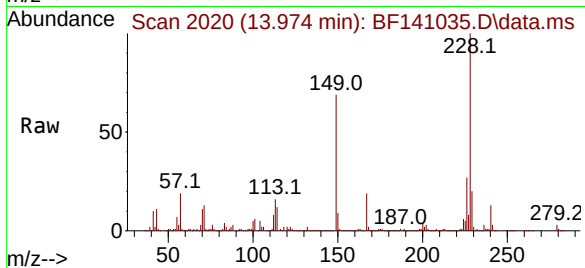
Tgt Ion:228 Resp: 2090064

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

229 20.0 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 7.743 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

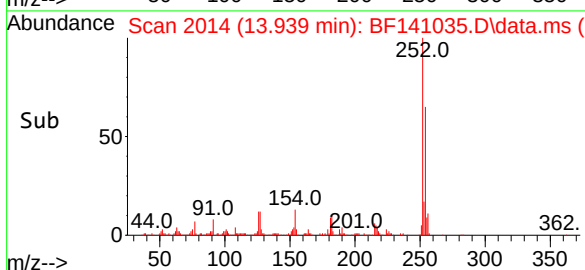
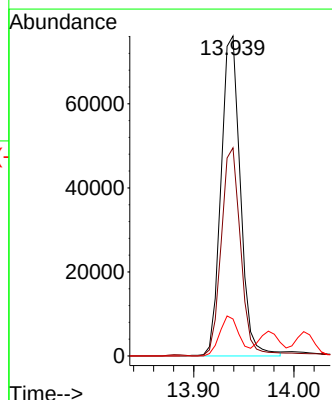
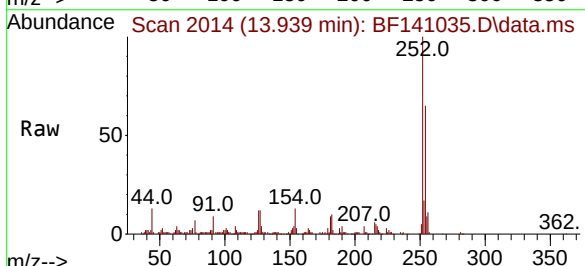
Tgt Ion:252 Resp: 101907

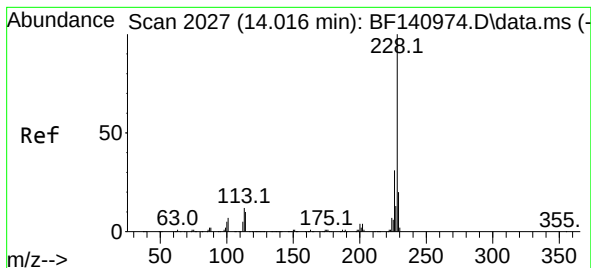
Ion Ratio Lower Upper

252 100

254 65.0 51.5 77.3

126 11.5 10.3 15.5





#83

Chrysene

Concen: 50.963 ng

RT: 14.010 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

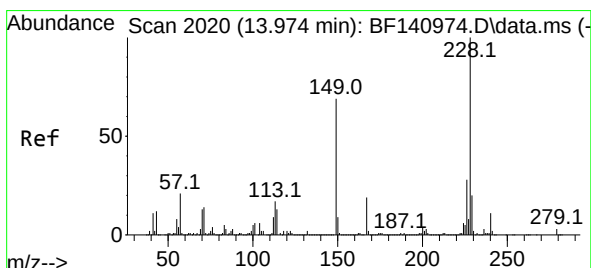
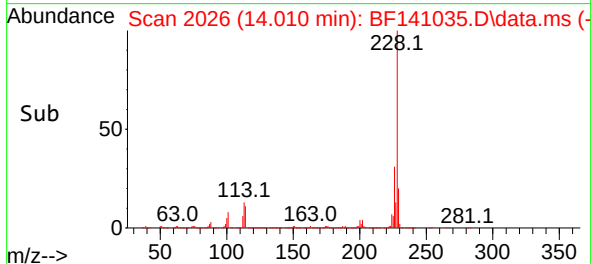
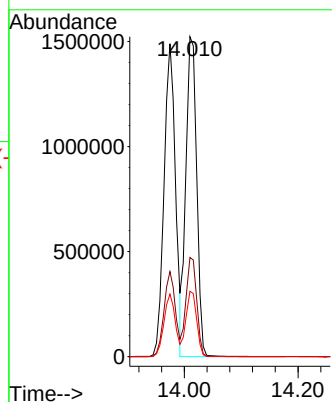
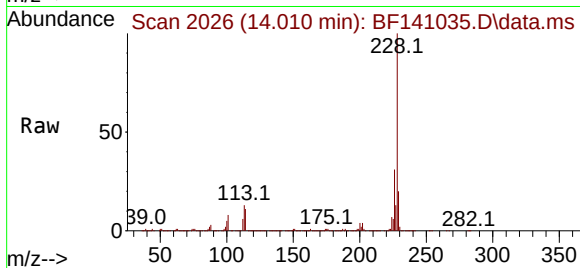
Tgt Ion:228 Resp: 2012440

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 20.5 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.811 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

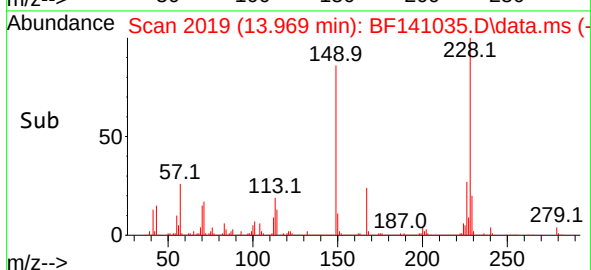
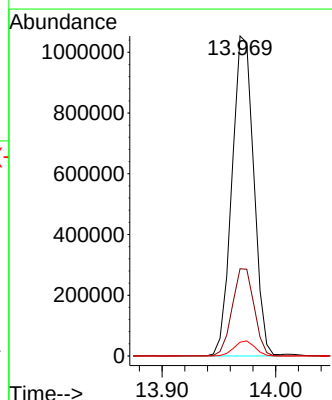
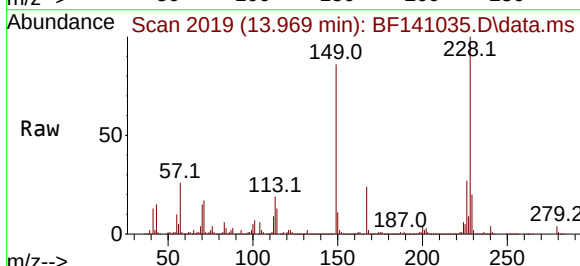
Tgt Ion:149 Resp: 1401051

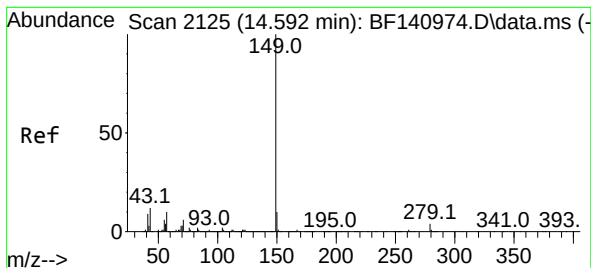
Ion Ratio Lower Upper

149 100

167 27.2 21.6 32.4

279 4.3 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 55.314 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

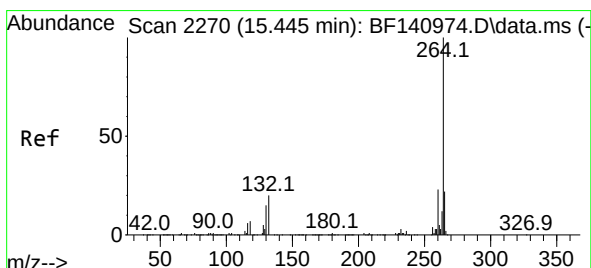
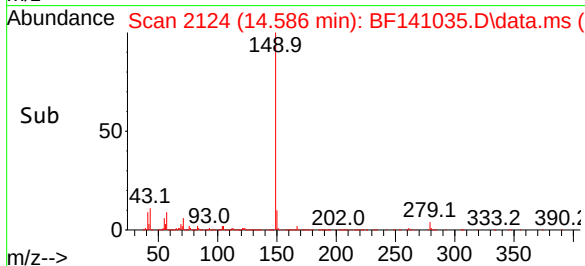
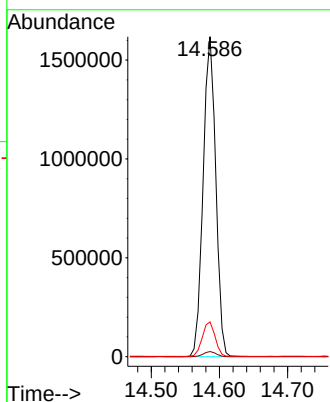
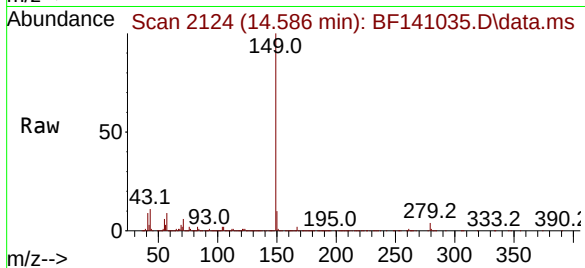
Tgt Ion:149 Resp: 2084440

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.0 9.3 13.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

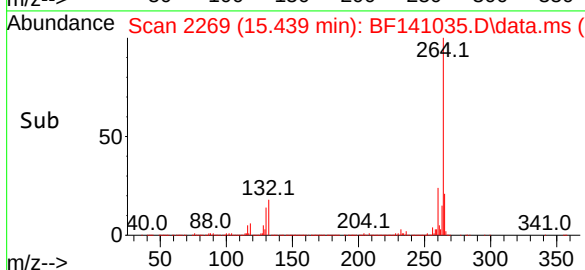
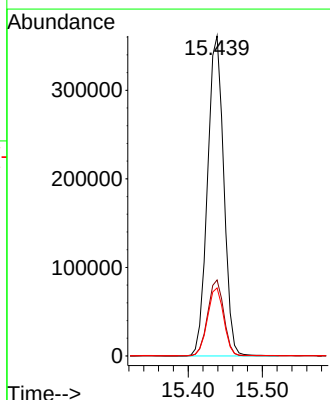
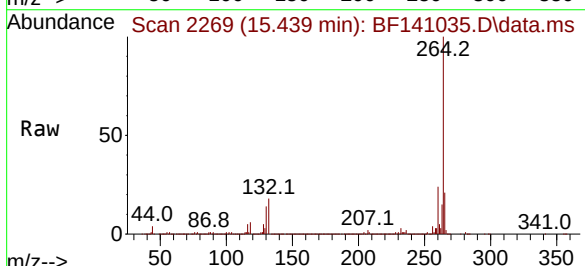
Tgt Ion:264 Resp: 549749

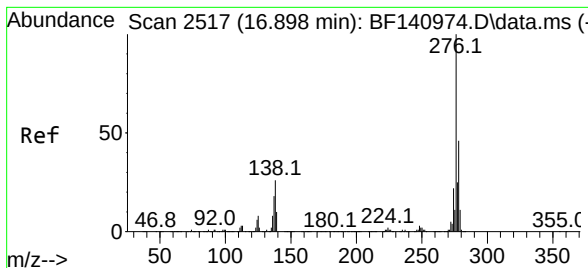
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.434 ng

RT: 16.892 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

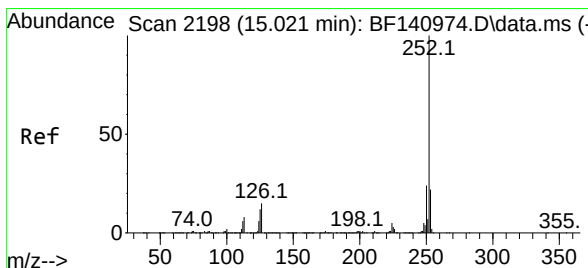
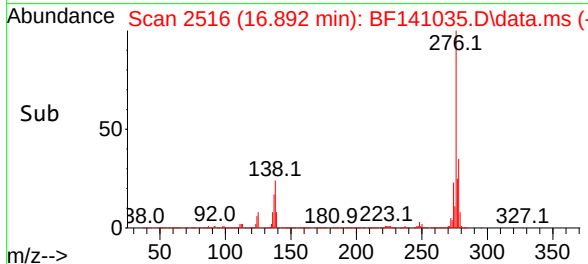
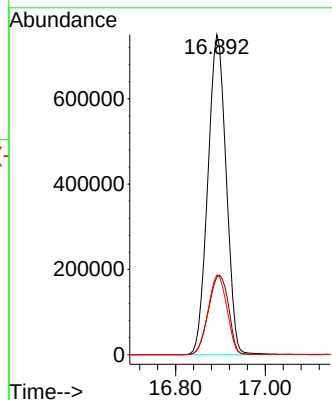
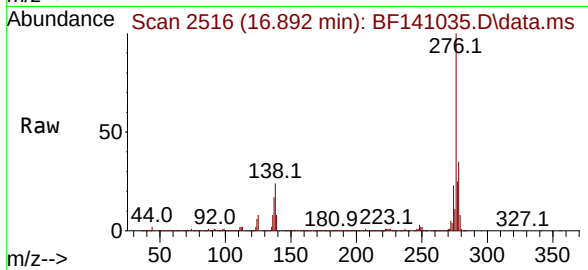
Tgt Ion:276 Resp: 2127795

Ion Ratio Lower Upper

276 100

138 27.3 23.1 34.7

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 51.973 ng

RT: 15.016 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141035.D

Acq: 30 Dec 2024 17:13

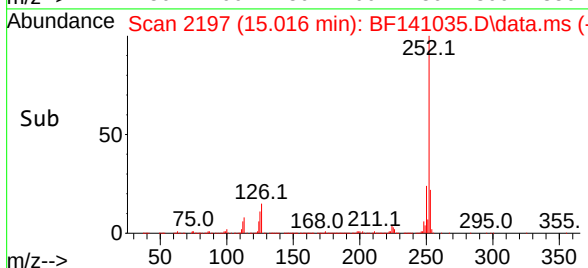
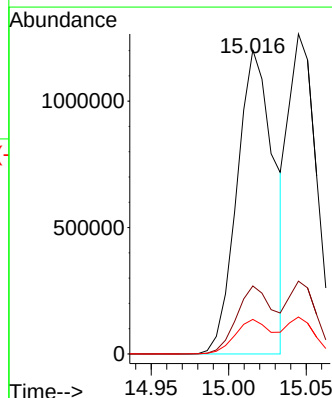
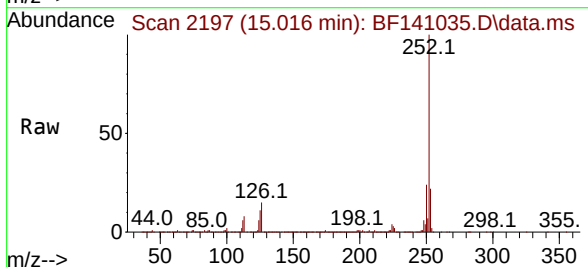
Tgt Ion:252 Resp: 1992745

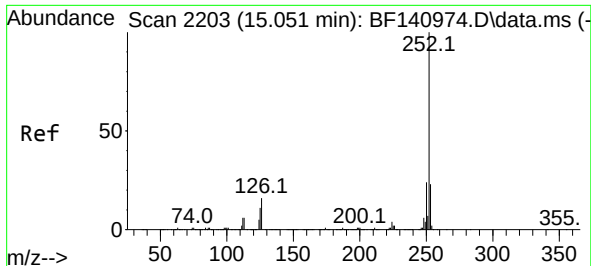
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.4 9.3 13.9

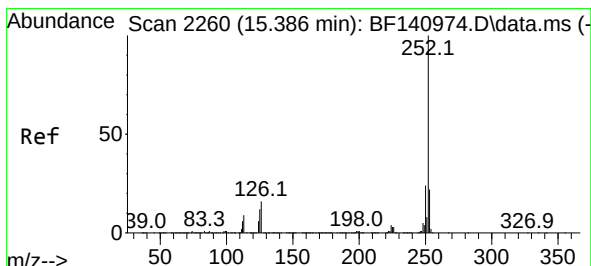
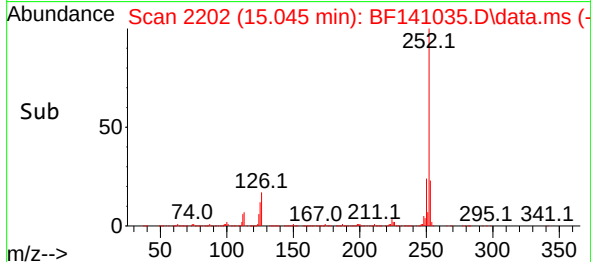
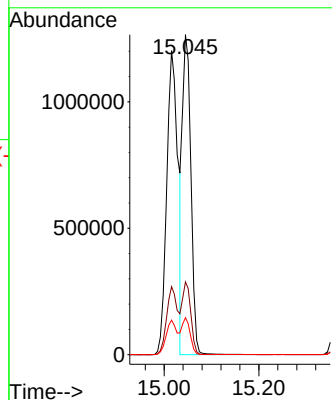
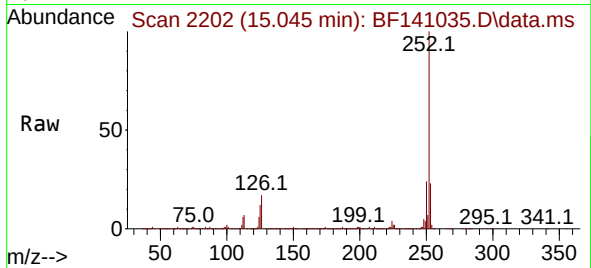




#89
Benzo(k)fluoranthene
Concen: 52.559 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

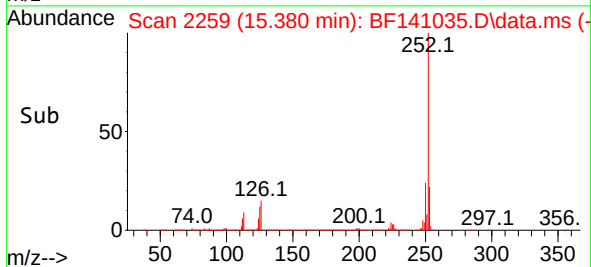
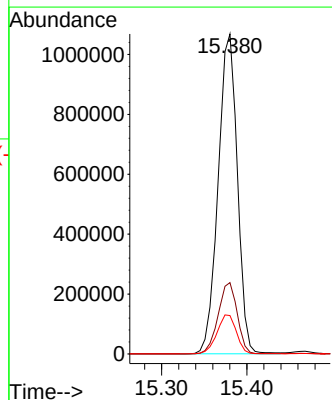
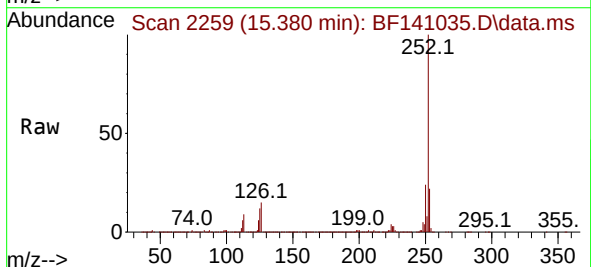
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

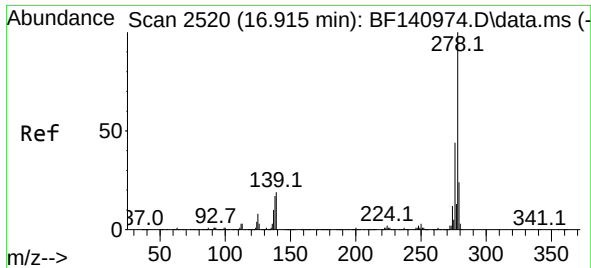
Tgt Ion:252 Resp: 1579447
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.6 9.4 14.0



#90
Benzo(a)pyrene
Concen: 56.323 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:252 Resp: 1676183
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 12.0 9.8 14.8

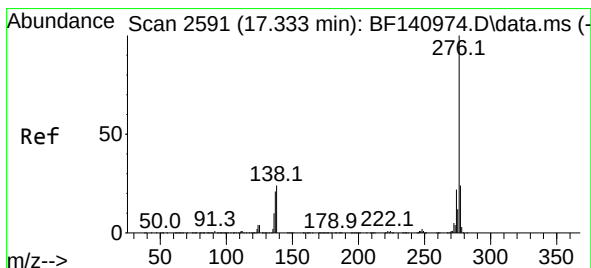
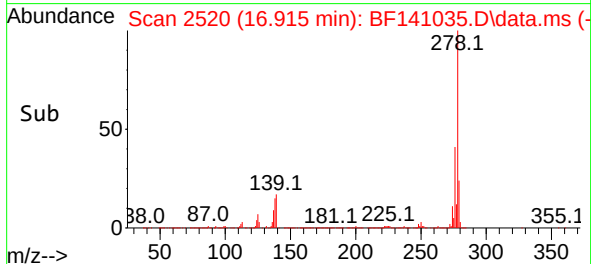
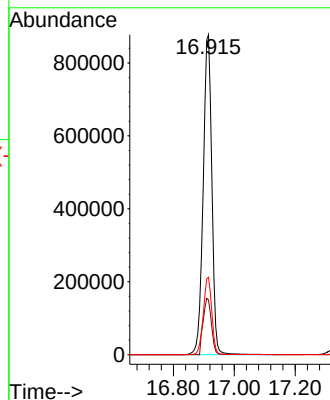
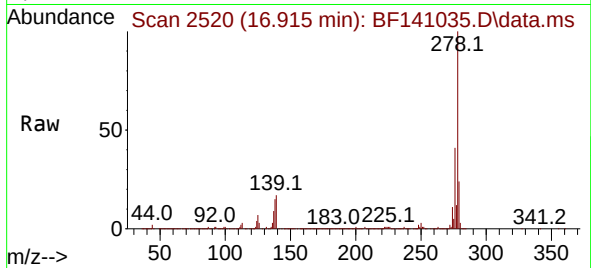




#91
Dibenzo(a,h)anthracene
Concen: 61.892 ng
RT: 16.915 min Scan# 2520
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:278 Resp: 1737665
Ion Ratio Lower Upper
278 100
139 17.1 14.9 22.3
279 24.2 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 54.525 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF141035.D
Acq: 30 Dec 2024 17:13

Tgt Ion:276 Resp: 1587770
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 23.6 19.4 29.2

