

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127063.D
 Acq On : 24 Feb 2022 18:02
 Operator : CG\JU
 Sample : N1650-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)MSD

Quant Time: Feb 25 01:46:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	72033	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	281887	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	128725	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	186513	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	126925	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	92328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	434330	93.192	ng	0.00
7) Phenol-d6	6.540	99	565774	89.965	ng	0.00
23) Nitrobenzene-d5	7.475	82	414371	66.351	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	136491	92.093	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	635818	72.715	ng	0.00
79) Terphenyl-d14	13.027	244	484475	56.112	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.758	88	75025	35.179	ng	# 96
3) Pyridine	3.522	79	176789	31.604	ng	# 84
4) n-Nitrosodimethylamine	3.487	42	132722	48.435	ng	# 55
6) Aniline	6.575	93	128152	17.199	ng	# 91
8) 2-Chlorophenol	6.693	128	236233	47.241	ng	99
9) Benzaldehyde	6.457	77	150938	39.429	ng	97
10) Phenol	6.551	94	304195	47.872	ng	75
11) bis(2-Chloroethyl)ether	6.640	93	230716	46.292	ng	97
12) 1,3-Dichlorobenzene	6.846	146	250091	46.362	ng	96
13) 1,4-Dichlorobenzene	6.922	146	257748	47.131	ng	98
14) 1,2-Dichlorobenzene	7.075	146	243578	46.706	ng	100
15) Benzyl Alcohol	7.051	79	245651	46.367	ng	91
16) 2,2'-oxybis(1-Chloropr...	7.175	45	312595	39.831	ng	91
17) 2-Methylphenol	7.163	107	202190	46.734	ng	# 89
18) Hexachloroethane	7.416	117	100556	47.970	ng	93
19) n-Nitroso-di-n-propyla...	7.316	70	185857	45.864	ng	97
20) 3+4-Methylphenols	7.310	107	260944	46.447	ng	87
22) Acetophenone	7.316	105	365018	49.181	ng	# 94
24) Nitrobenzene	7.493	77	282859	47.945	ng	96
25) Isophorone	7.728	82	482453	46.686	ng	# 97
26) 2-Nitrophenol	7.804	139	121427	48.342	ng	# 70
27) 2,4-Dimethylphenol	7.840	122	207357	50.251	ng	86
28) bis(2-Chloroethoxy)met...	7.934	93	277778	44.338	ng	97
29) 2,4-Dichlorophenol	8.051	162	184324	47.512	ng	98
30) 1,2,4-Trichlorobenzene	8.134	180	205063	47.279	ng	96
31) Naphthalene	8.216	128	696176	47.311	ng	100
32) Benzoic acid	7.969	122	132960	45.434	ng	# 83
33) 4-Chloroaniline	8.269	127	62590	10.806	ng	# 93
34) Hexachlorobutadiene	8.322	225	129648	51.200	ng	97
35) Caprolactam	8.634	113	45171	33.342	ng	90
36) 4-Chloro-3-methylphenol	8.745	107	242588	48.927	ng	94
37) 2-Methylnaphthalene	8.904	142	447223	46.838	ng	98
38) 1-Methylnaphthalene	9.004	142	411066	44.958	ng	98
40) 1,2,4,5-Tetrachloroben...	9.069	216	185759	54.820	ng	97
41) Hexachlorocyclopentadiene	9.051	237	94737	51.549	ng	94
43) 2,4,6-Trichlorophenol	9.181	196	120606	48.529	ng	98

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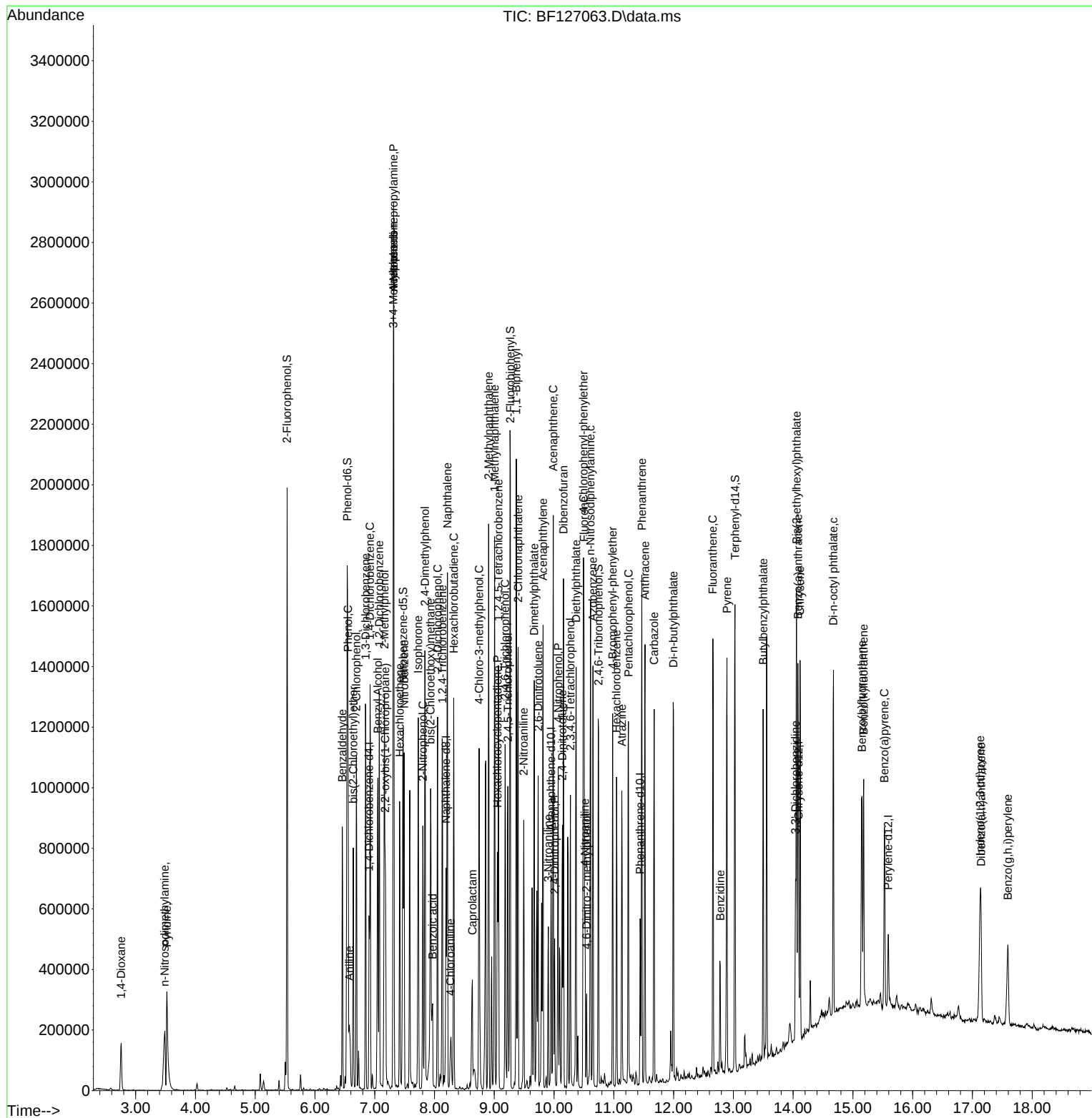
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	123795	47.336	ng	96
46) 1,1'-Biphenyl	9.369	154	525000	51.477	ng	97
47) 2-Chloronaphthalene	9.398	162	370868	49.038	ng	95
48) 2-Nitroaniline	9.492	65	143032	47.926	ng	93
49) Acenaphthylene	9.816	152	596725	48.574	ng	98
50) Dimethylphthalate	9.669	163	462245	50.238	ng	99
51) 2,6-Dinitrotoluene	9.734	165	91534	48.896	ng	87
52) Acenaphthene	9.986	154	357780	44.781	ng	97
53) 3-Nitroaniline	9.904	138	62300	27.225	ng	93
54) 2,4-Dinitrophenol	10.010	184	44083	44.491	ng #	86
55) Dibenzofuran	10.157	168	495895	45.138	ng #	88
56) 4-Nitrophenol	10.069	139	132178	78.208	ng #	72
57) 2,4-Dinitrotoluene	10.139	165	115439	45.608	ng #	97
58) Fluorene	10.498	166	381460	44.576	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.275	232	90497	43.648	ng #	96
60) Diethylphthalate	10.369	149	464490	48.312	ng	100
61) 4-Chlorophenyl-phenyle...	10.492	204	188384	46.685	ng	95
62) 4-Nitroaniline	10.516	138	76568	33.885	ng #	62
63) Azobenzene	10.651	77	433376	40.481	ng	91
65) 4,6-Dinitro-2-methylph...	10.545	198	30042	27.413	ng	92
66) n-Nitrosodiphenylamine	10.610	169	322978	52.809	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	108936	52.275	ng #	90
68) Hexachlorobenzene	11.045	284	113972	50.803	ng #	90
69) Atrazine	11.133	200	97705	51.509	ng	97
70) Pentachlorophenol	11.245	266	120618	98.493	ng	99
71) Phenanthrene	11.469	178	541278	51.849	ng	98
72) Anthracene	11.522	178	514559	49.512	ng	99
73) Carbazole	11.675	167	413177	43.353	ng	97
74) Di-n-butylphthalate	11.998	149	602175	49.148	ng	99
75) Fluoranthene	12.657	202	522994	52.762	ng	94
77) Benzidine	12.780	184	130371	37.797	ng #	94
78) Pyrene	12.892	202	521041	47.251	ng	98
80) Butylbenzylphthalate	13.498	149	223397	42.793	ng	94
81) Benzo(a)anthracene	14.080	228	433487	50.660	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	85049	31.538	ng #	96
83) Chrysene	14.116	228	408198	50.729	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	354068	51.661	ng #	97
85) Di-n-octyl phthalate	14.674	149	501806	50.852	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	265885	43.918	ng #	82
88) Benzo(b)fluoranthene	15.151	252	350796	56.570	ng #	91
89) Benzo(k)fluoranthene	15.180	252	310084	51.844	ng #	92
90) Benzo(a)pyrene	15.527	252	294578	60.817	ng #	93
91) Dibenzo(a,h)anthracene	17.145	278	221707	44.279	ng #	89
92) Benzo(g,h,i)perylene	17.592	276	220560	44.682	ng #	82

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

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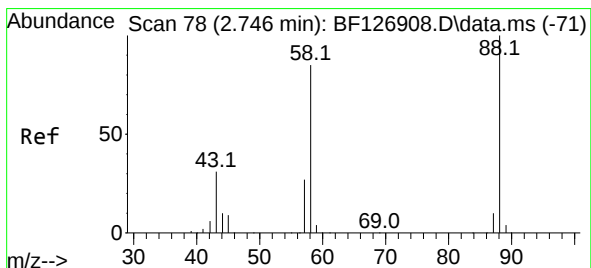
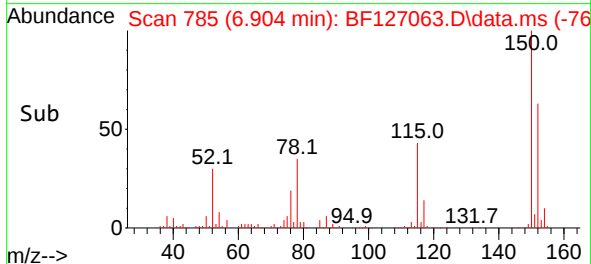
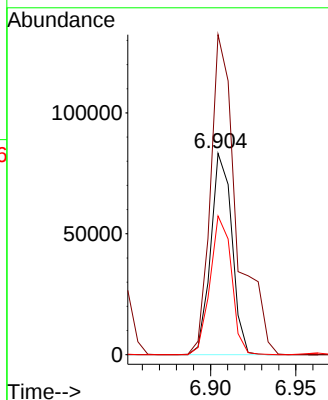
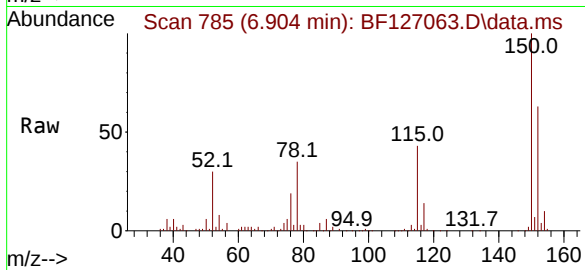




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127063.D
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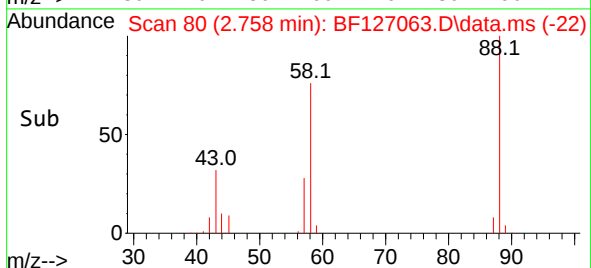
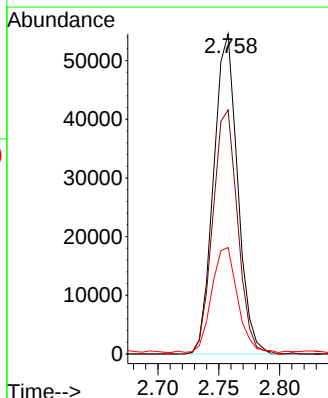
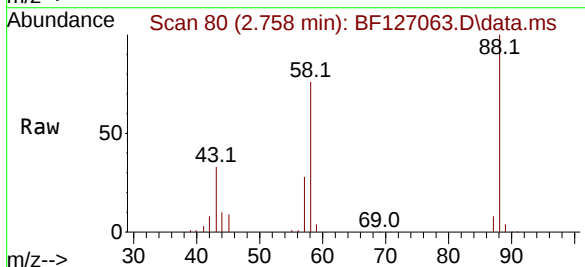
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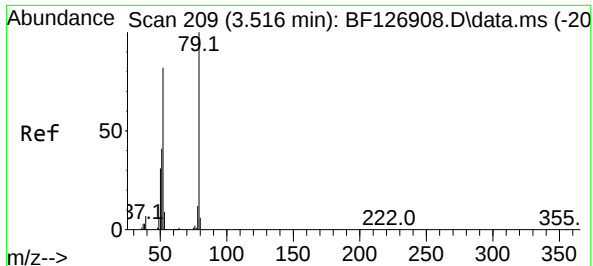
Tgt Ion:152 Resp: 72033
 Ion Ratio Lower Upper
 152 100
 150 159.0 128.1 192.1
 115 68.9 56.7 85.1



#2
 1,4-Dioxane
 Concen: 35.179 ng
 RT: 2.758 min Scan# 80
 Delta R.T. 0.041 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

Tgt Ion: 88 Resp: 75025
 Ion Ratio Lower Upper
 88 100
 58 78.6 62.8 94.2
 43 35.4 22.3 33.5#

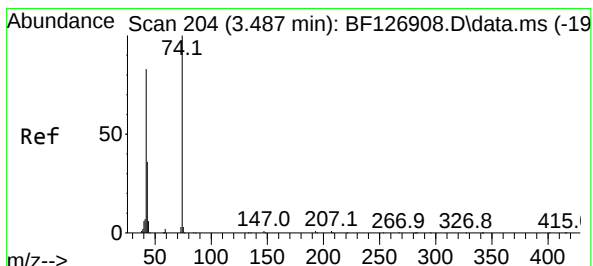
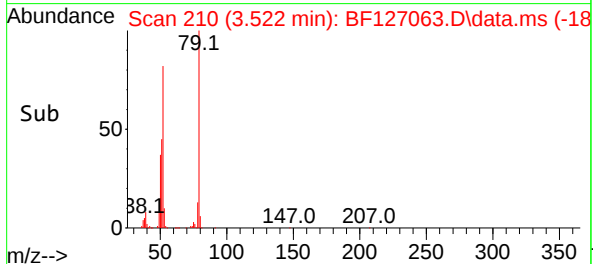
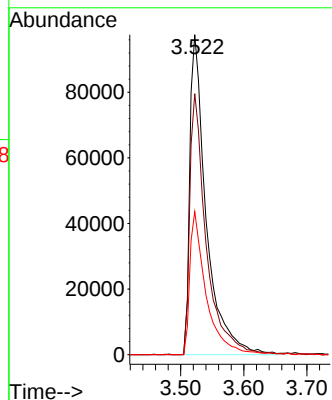
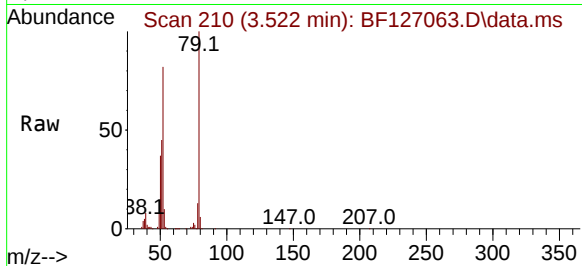




#3
 Pyridine
 Concen: 31.604 ng
 RT: 3.522 min Scan# 210
 Delta R.T. 0.035 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

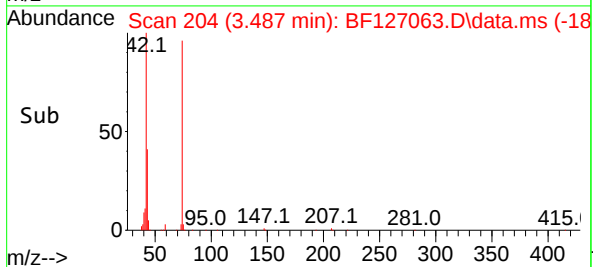
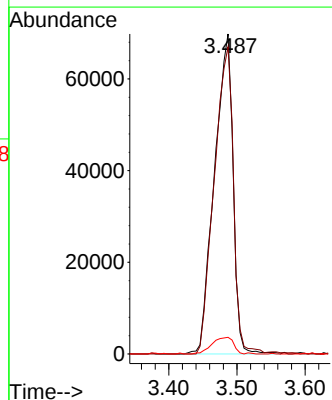
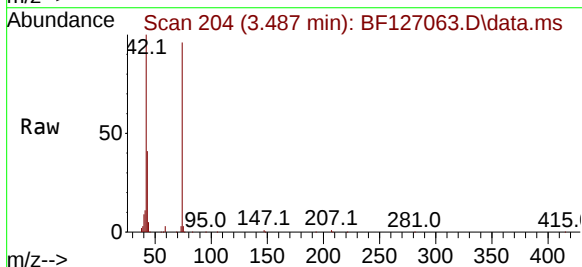
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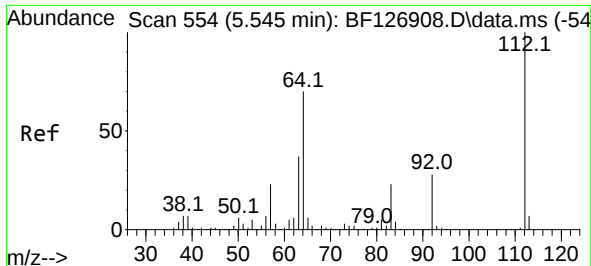
Tgt Ion: 79 Resp: 176789
 Ion Ratio Lower Upper
 79 100
 52 81.6 56.2 84.4
 51 44.7 26.7 40.1#



#4
 n-Nitrosodimethylamine
 Concen: 48.435 ng
 RT: 3.487 min Scan# 204
 Delta R.T. 0.030 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

Tgt Ion: 42 Resp: 132722
 Ion Ratio Lower Upper
 42 100
 74 96.0 125.6 188.4#
 44 5.2 5.7 8.5#

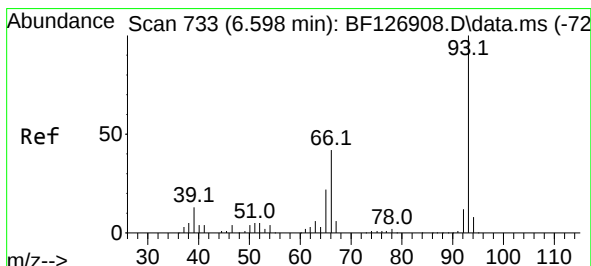
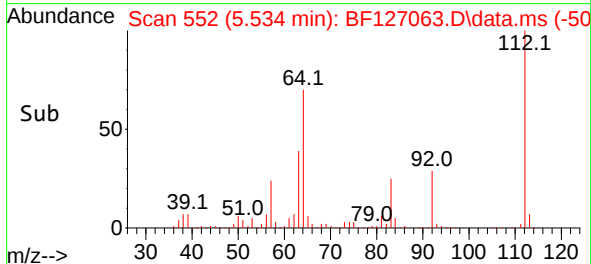
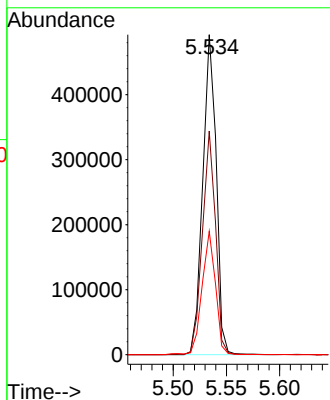
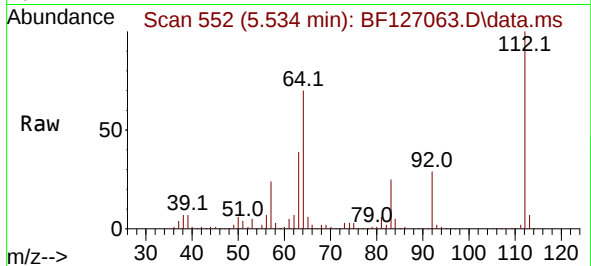




#5
2-Fluorophenol
Concen: 93.192 ng
RT: 5.534 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

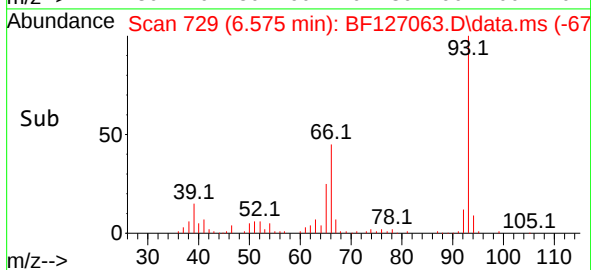
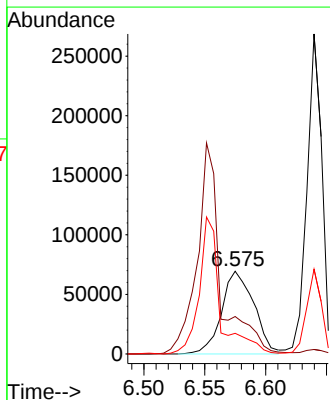
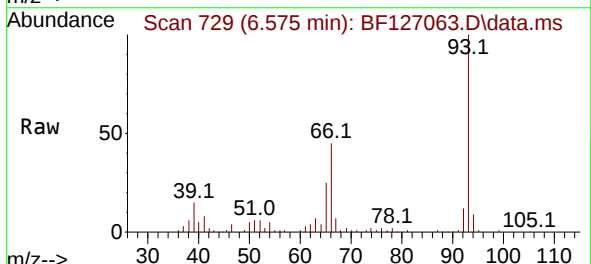
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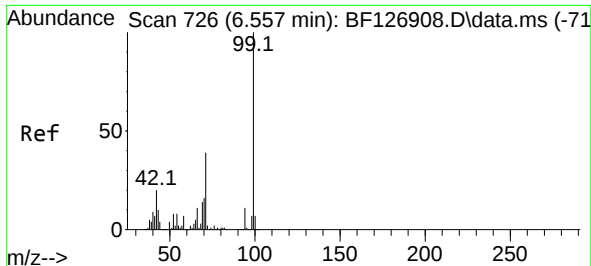
Tgt Ion:112 Resp: 434330
Ion Ratio Lower Upper
112 100
64 69.9 49.5 74.3
63 38.6 23.9 35.9#



#6
Aniline
Concen: 17.199 ng
RT: 6.575 min Scan# 729
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 93 Resp: 128152
Ion Ratio Lower Upper
93 100
66 45.2 32.2 48.4
65 25.0 16.3 24.5#





#7

Phenol-d6

Concen: 89.965 ng

RT: 6.540 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

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BNA_F

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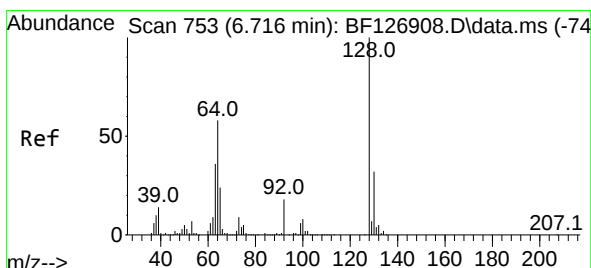
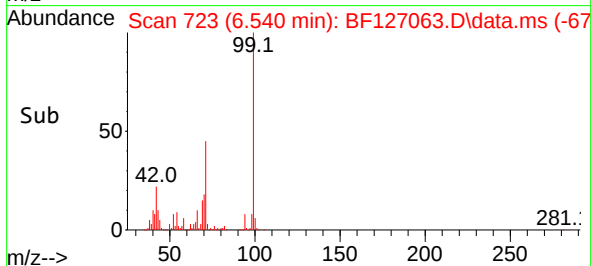
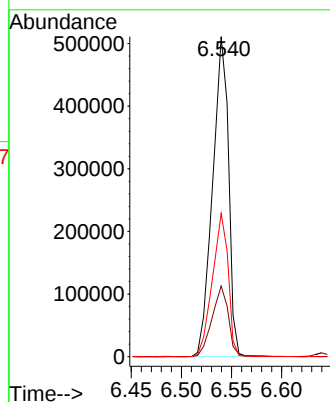
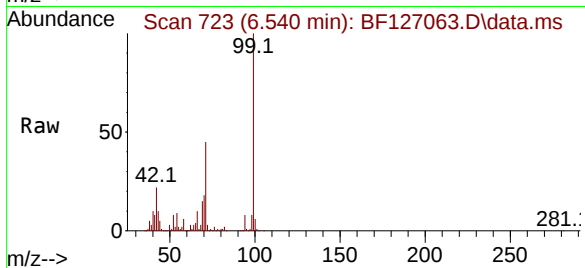
Tgt Ion: 99 Resp: 565774

Ion Ratio Lower Upper

99 100

42 22.1 14.2 21.4#

71 44.8 24.3 36.5#



#8

2-Chlorophenol

Concen: 47.241 ng

RT: 6.693 min Scan# 749

Delta R.T. -0.006 min

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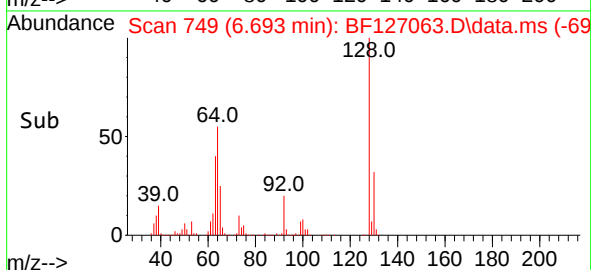
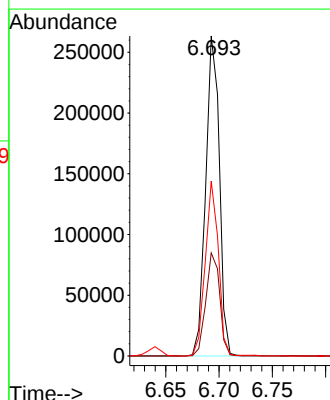
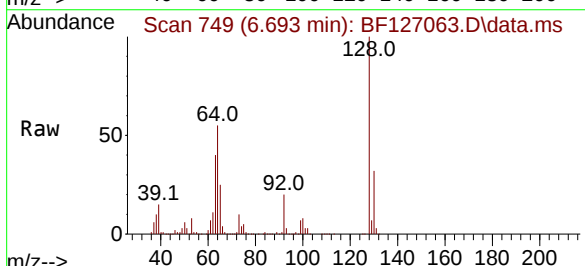
Tgt Ion: 128 Resp: 236233

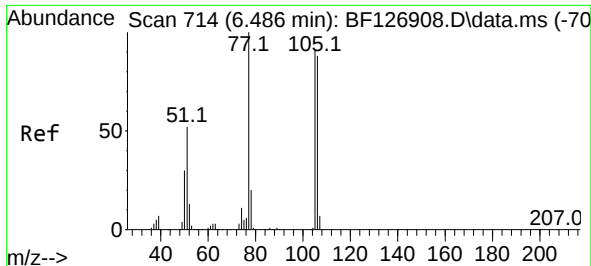
Ion Ratio Lower Upper

128 100

130 32.2 12.7 52.7

64 54.7 35.6 75.6

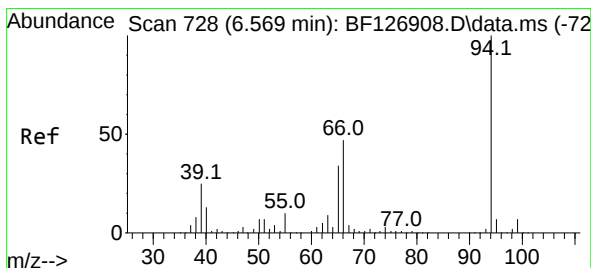
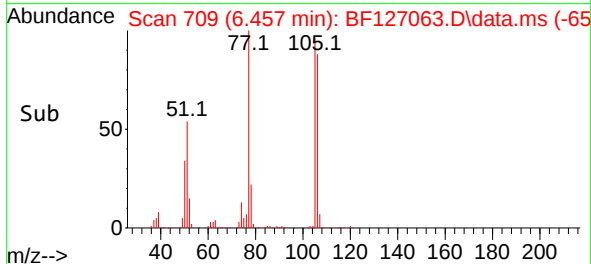
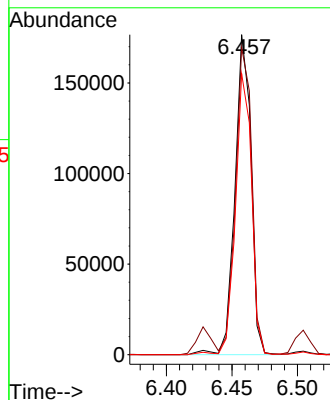
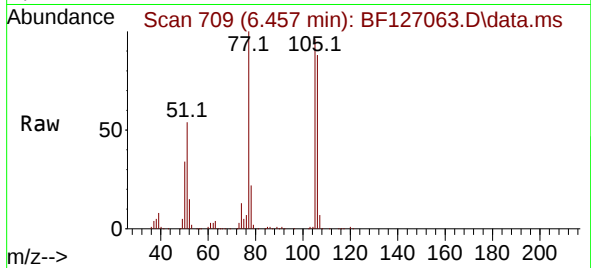




#9
Benzaldehyde
Concen: 39.429 ng
RT: 6.457 min Scan# 709
Delta R.T. -0.006 min
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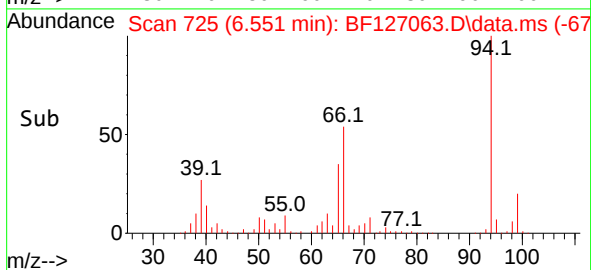
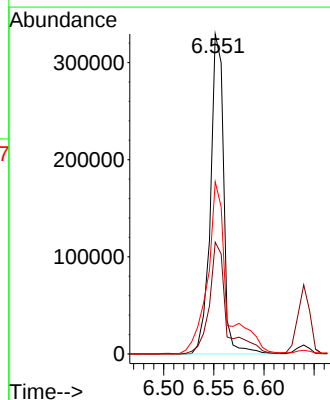
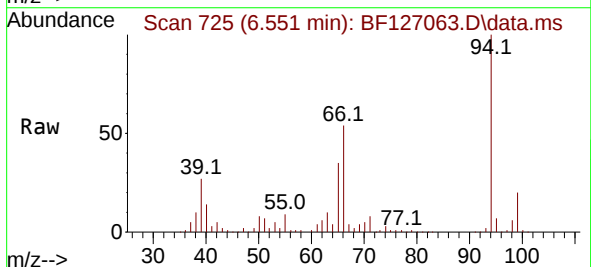
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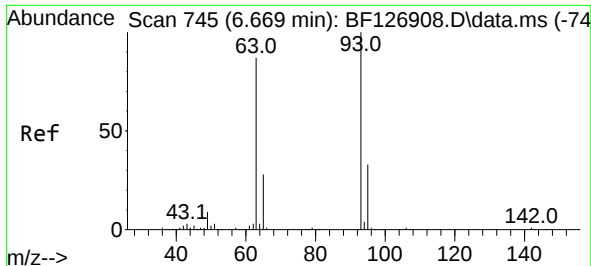
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Ion Ratio Lower Upper
77 100
105 96.0 74.9 114.9
106 87.8 72.4 112.4



#10
Phenol
Concen: 47.872 ng
RT: 6.551 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 94 Resp: 304195
Ion Ratio Lower Upper
94 100
65 34.9 7.2 47.2
66 53.8 14.5 54.5

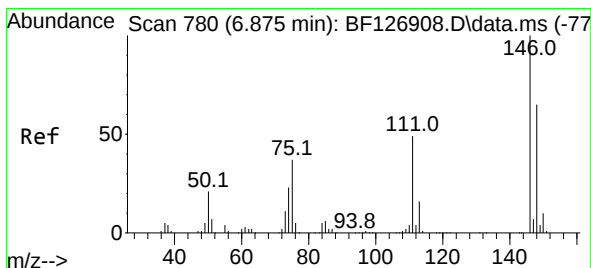
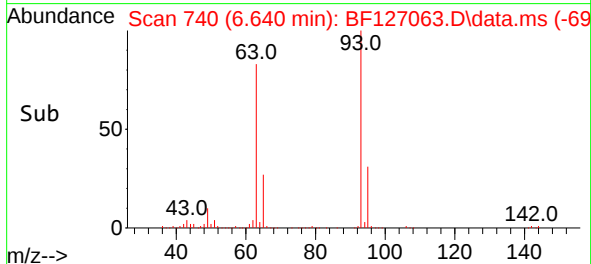
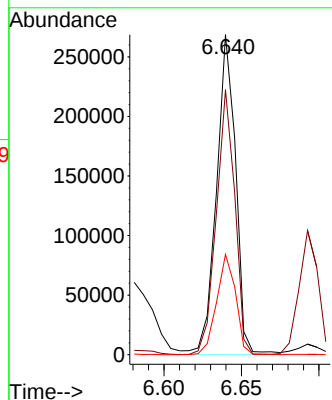
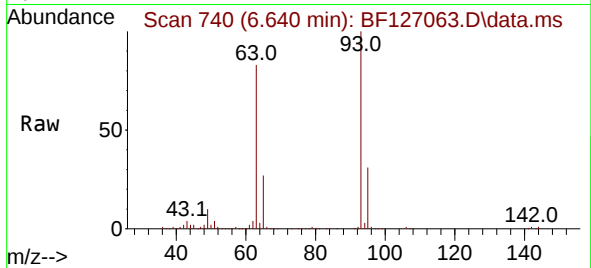




#11
bis(2-Chloroethyl)ether
Concen: 46.292 ng
RT: 6.640 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

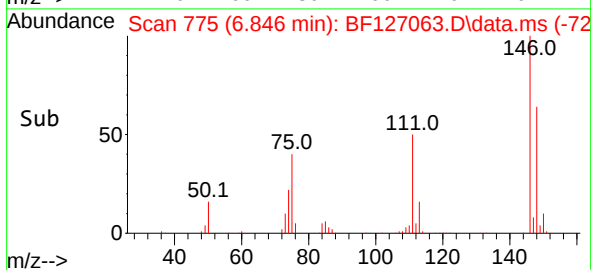
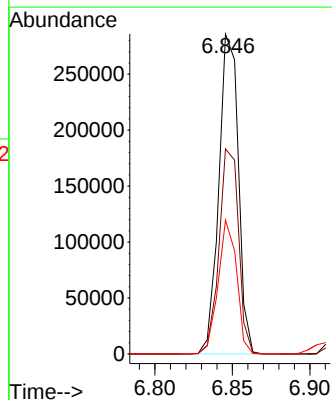
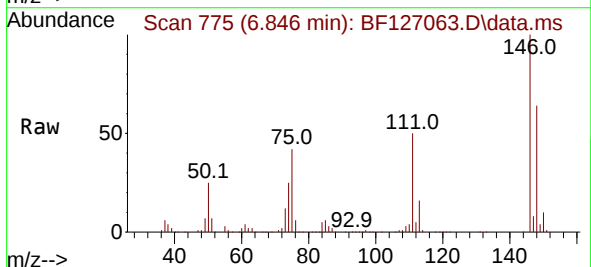
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

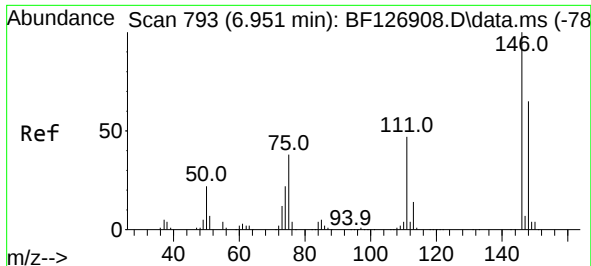
Tgt Ion: 93 Resp: 230716
Ion Ratio Lower Upper
93 100
63 82.8 60.5 100.5
95 31.4 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 46.362 ng
RT: 6.846 min Scan# 775
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:146 Resp: 250091
Ion Ratio Lower Upper
146 100
148 64.1 50.9 76.3
75 41.9 28.4 42.6

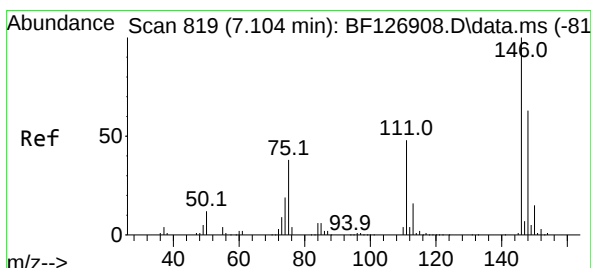
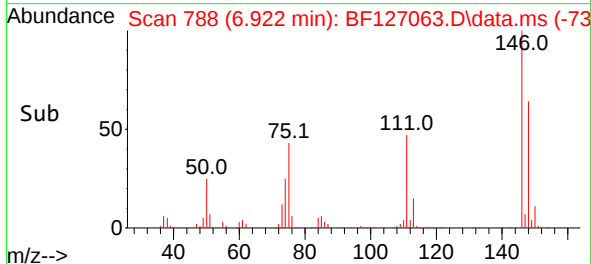
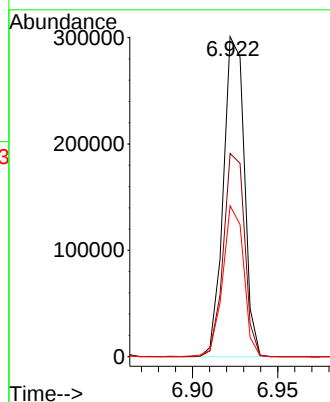
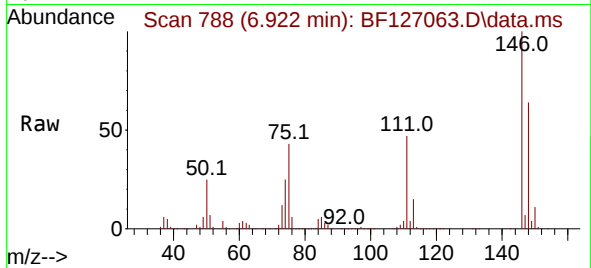




#13
1,4-Dichlorobenzene
Concen: 47.131 ng
RT: 6.922 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

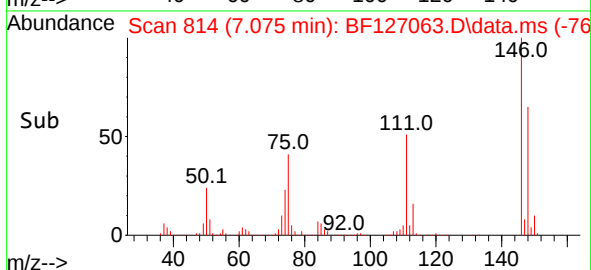
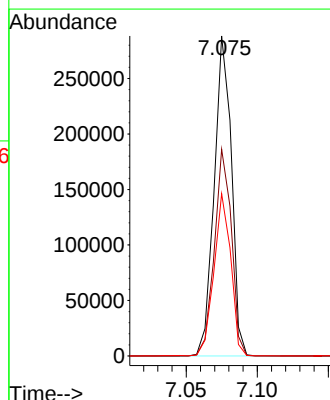
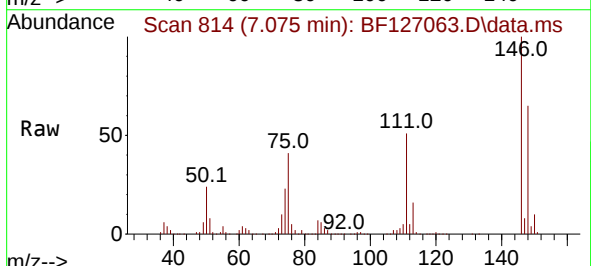
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

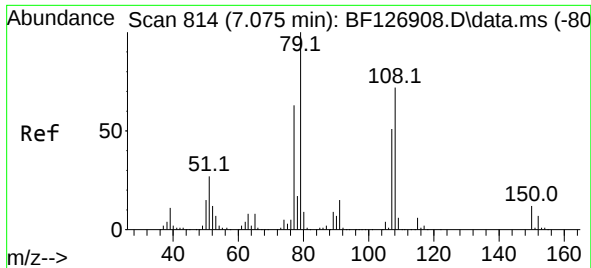
Tgt Ion:146 Resp: 257748
Ion Ratio Lower Upper
146 100
148 63.5 49.8 74.6
111 47.2 36.1 54.1



#14
1,2-Dichlorobenzene
Concen: 46.706 ng
RT: 7.075 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:146 Resp: 243578
Ion Ratio Lower Upper
146 100
148 64.6 51.6 77.4
111 50.7 40.2 60.2

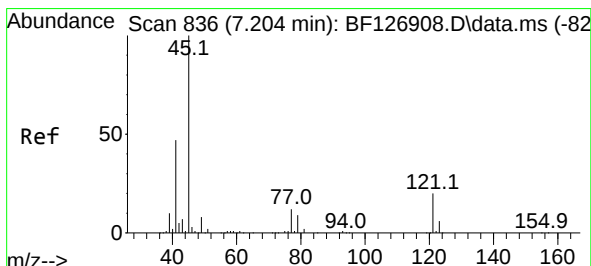
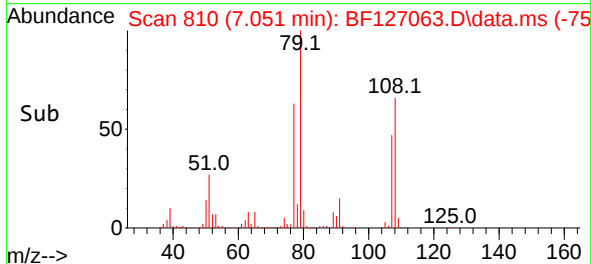
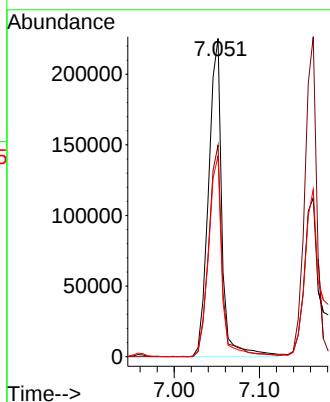
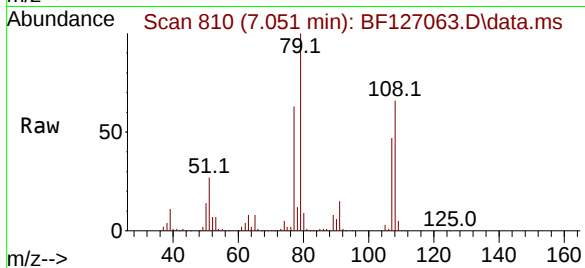




#15
Benzyl Alcohol
Concen: 46.367 ng
RT: 7.051 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

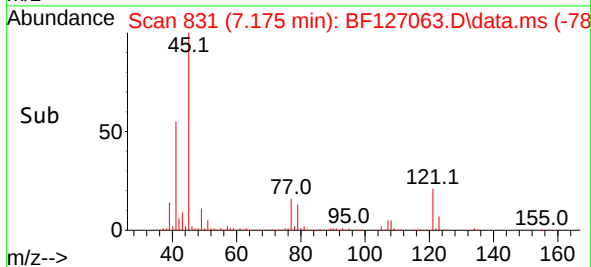
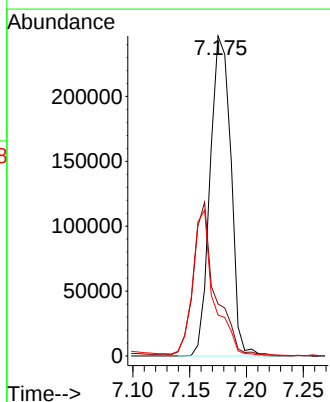
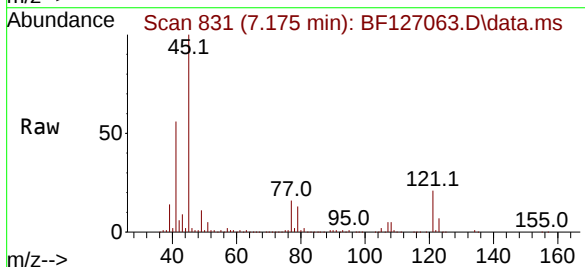
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

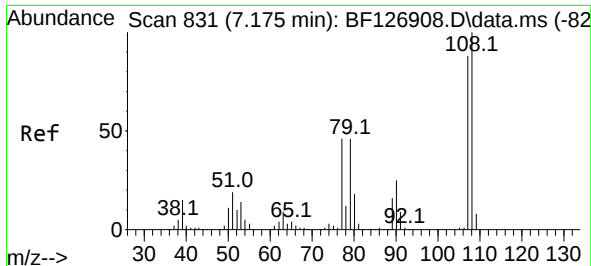
Tgt Ion: 79 Resp: 245651
Ion Ratio Lower Upper
79 100
108 66.5 63.2 94.8
77 63.1 49.4 74.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.831 ng
RT: 7.175 min Scan# 831
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 45 Resp: 312595
Ion Ratio Lower Upper
45 100
77 16.2 0.0 32.4
79 12.8 0.0 29.8





#17

2-Methylphenol

Concen: 46.734 ng

RT: 7.163 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion:107 Resp: 202190

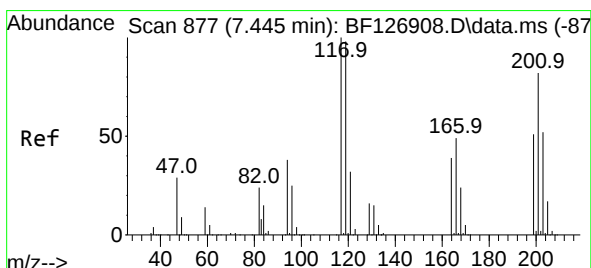
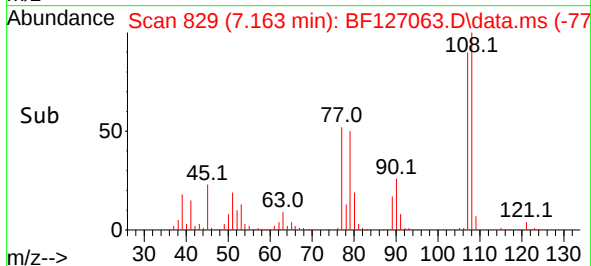
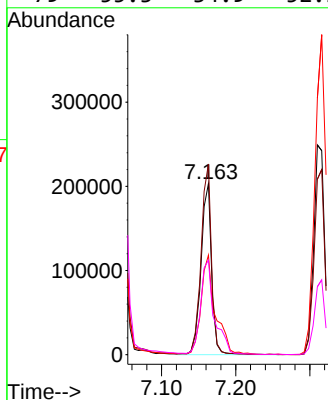
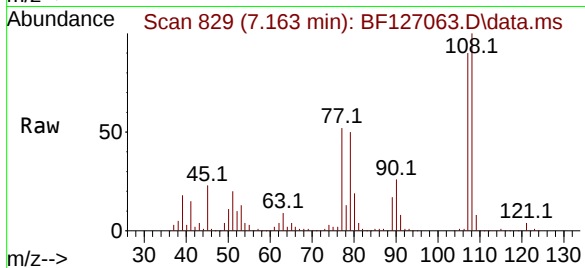
Ion Ratio Lower Upper

107 100

108 111.5 93.4 140.0

77 58.2 36.1 54.1#

79 55.3 34.9 52.3#



#18

Hexachloroethane

Concen: 47.970 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

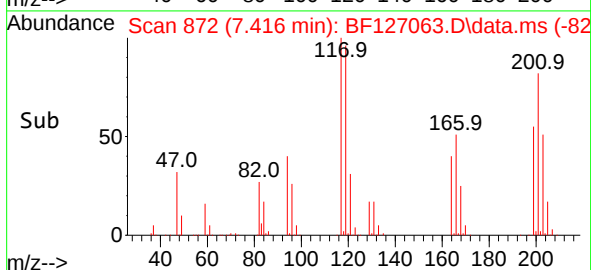
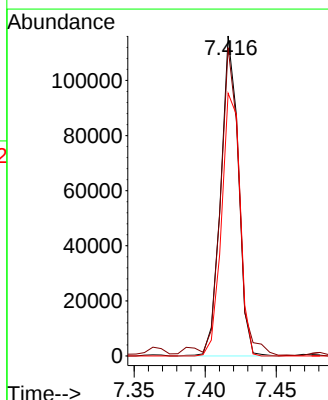
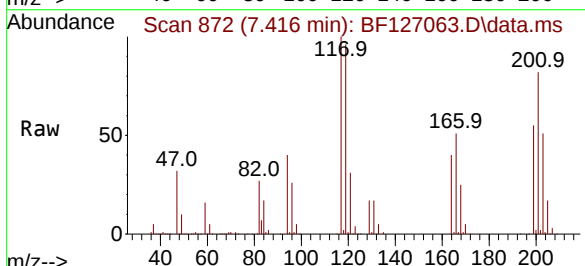
Tgt Ion:117 Resp: 100556

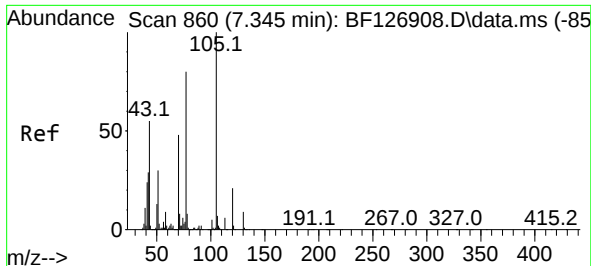
Ion Ratio Lower Upper

117 100

119 96.3 75.4 113.0

201 82.1 56.8 85.2



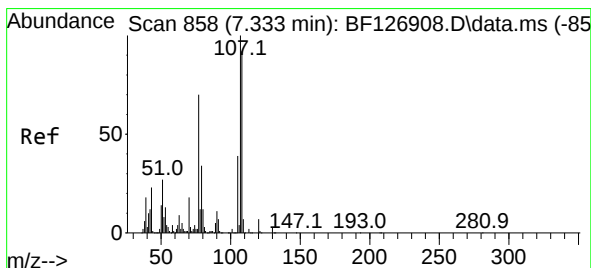
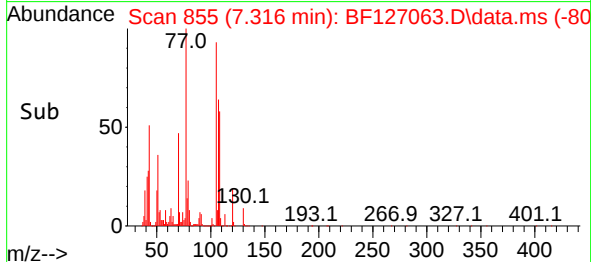
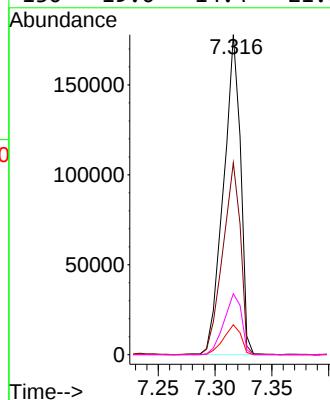
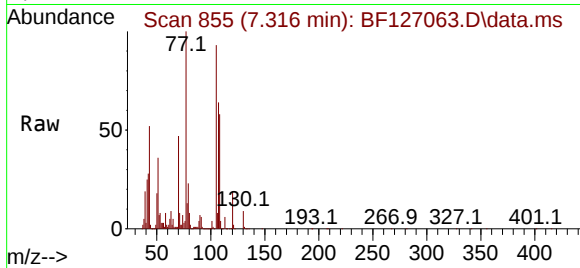


#19
n-Nitroso-di-n-propylamine
Concen: 45.864 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion: 70 Resp: 185857

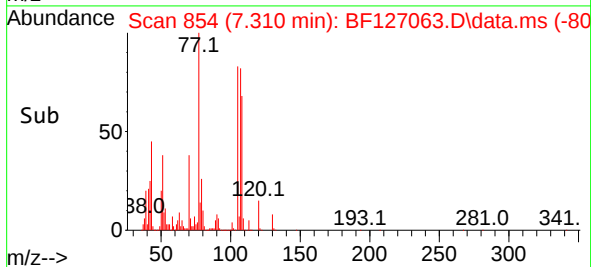
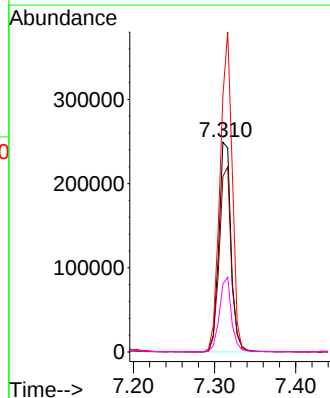
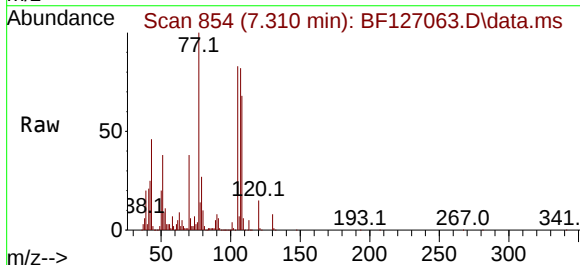
Ion	Ratio	Lower	Upper
70	100		
42	59.9	45.8	68.8
101	9.4	6.9	10.3
130	19.0	14.4	21.6

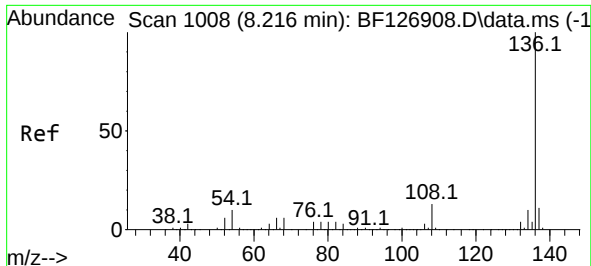


#20
3+4-Methylphenols
Concen: 46.447 ng
RT: 7.310 min Scan# 854
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 107 Resp: 260944

Ion	Ratio	Lower	Upper
107	100		
108	83.6	72.4	112.4
77	122.3	83.8	123.8
79	32.4	8.5	48.5

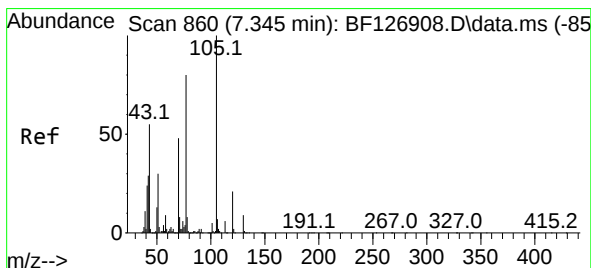
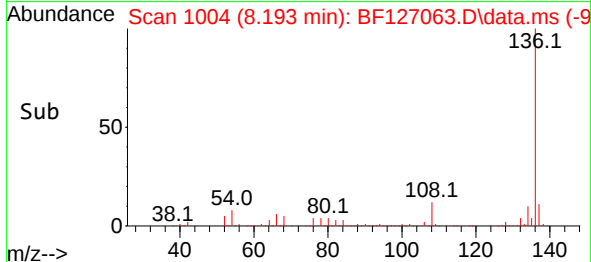
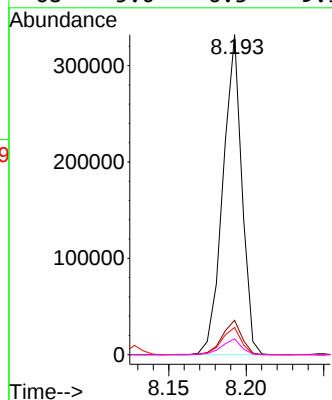
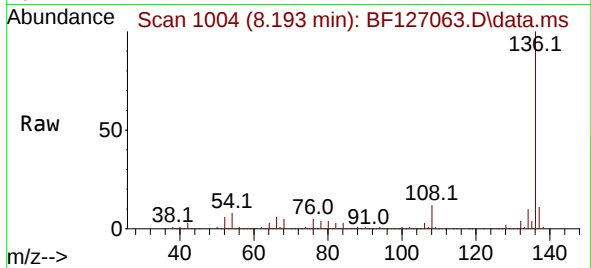




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

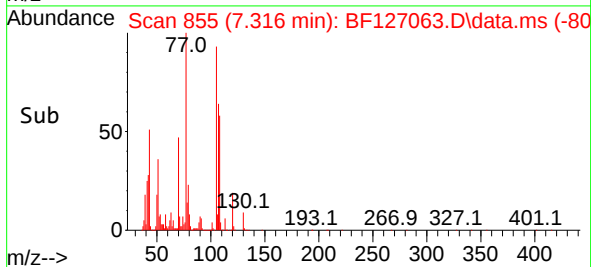
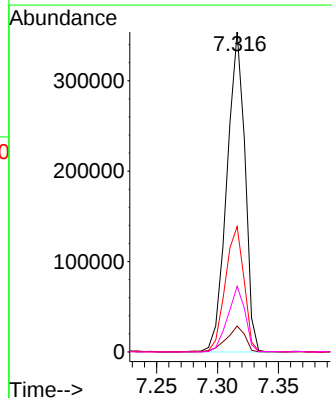
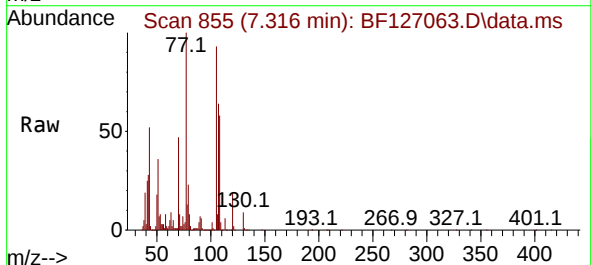
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

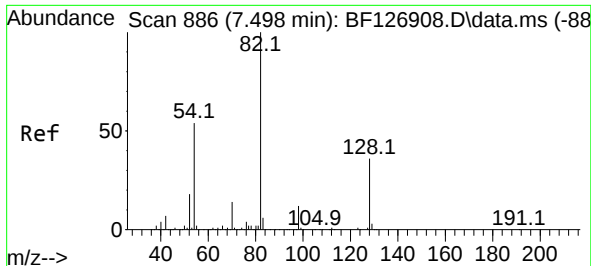
Tgt Ion:136 Resp: 281887
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.5 7.8 11.6
68 5.0 6.3 9.5#



#22
Acetophenone
Concen: 49.181 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:105 Resp: 365018
Ion Ratio Lower Upper
105 100
71 8.1 5.4 8.0#
51 39.2 27.4 41.0
120 20.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 66.351 ng

RT: 7.475 min Scan# 882

Delta R.T. 0.000 min

Lab File: BF127063.D

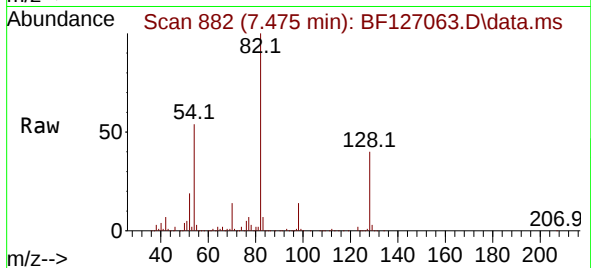
Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD



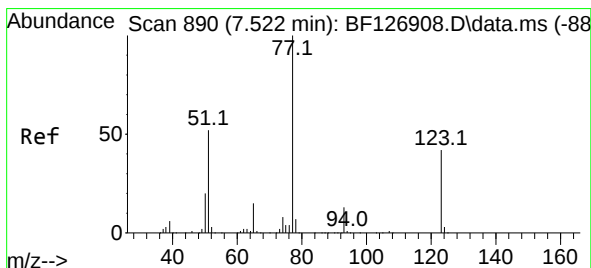
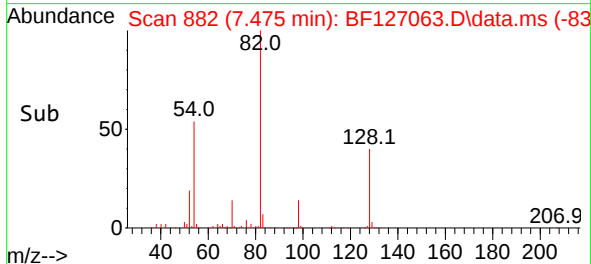
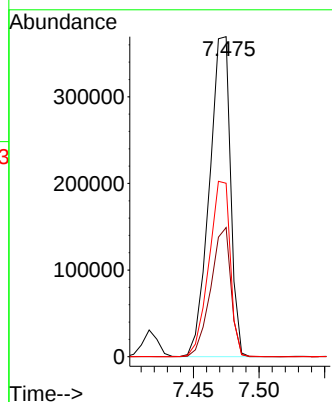
Tgt Ion: 82 Resp: 414371

Ion Ratio Lower Upper

82 100

128 40.3 32.7 49.1

54 54.2 41.7 62.5



#24

Nitrobenzene

Concen: 47.945 ng

RT: 7.493 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

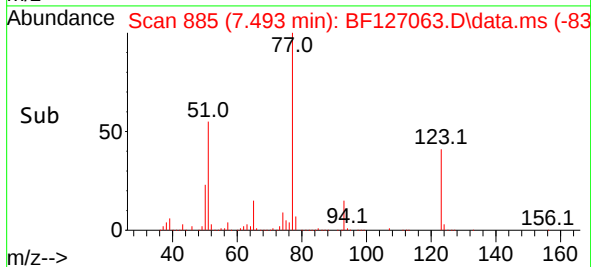
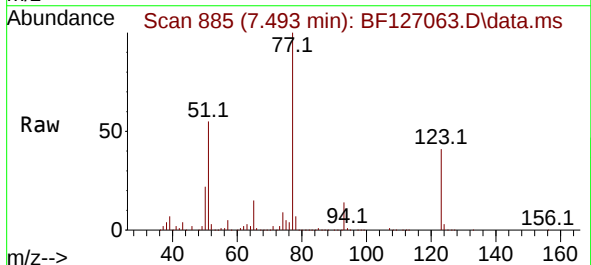
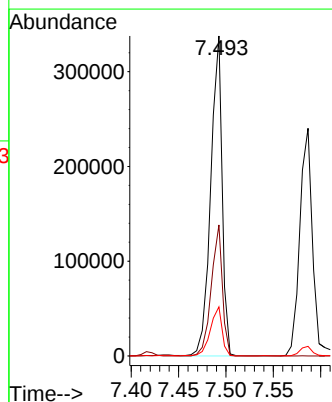
Tgt Ion: 77 Resp: 282859

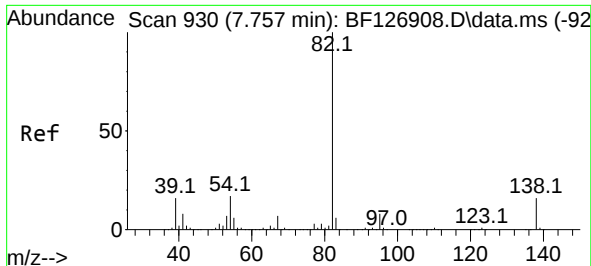
Ion Ratio Lower Upper

77 100

123 41.0 34.6 52.0

65 15.3 10.6 15.8

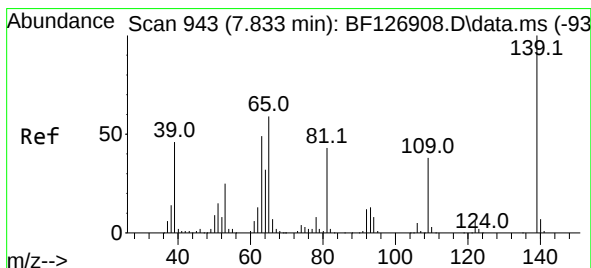
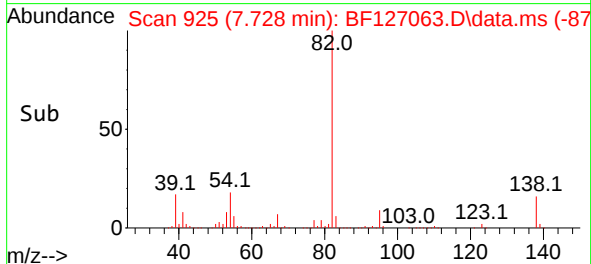
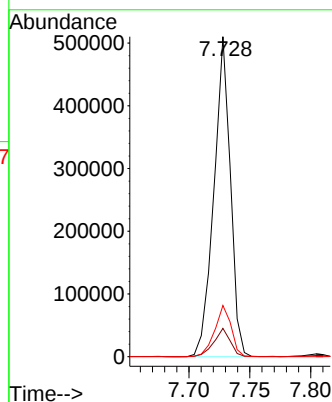
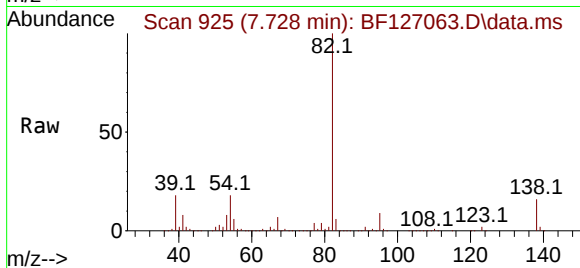




#25
Isophorone
Concen: 46.686 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

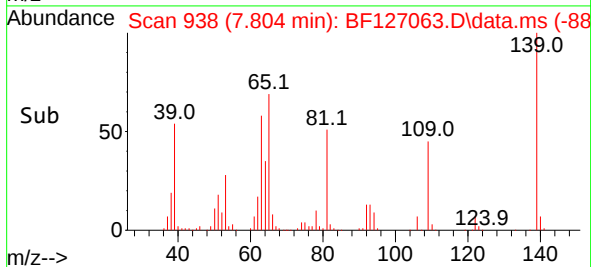
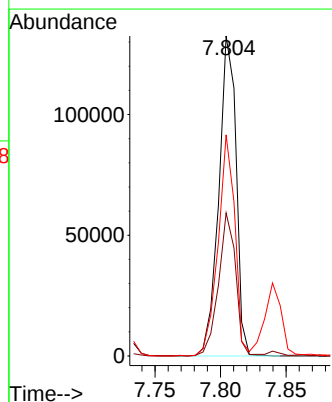
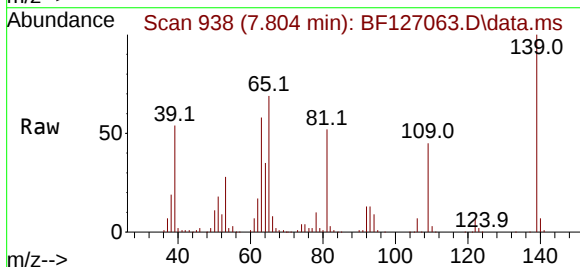
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

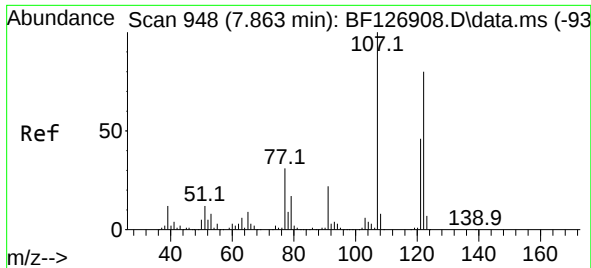
Tgt Ion: 82 Resp: 482453
Ion Ratio Lower Upper
82 100
95 8.8 5.0 7.4#
138 16.0 12.3 18.5



#26
2-Nitrophenol
Concen: 48.342 ng
RT: 7.804 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 139 Resp: 121427
Ion Ratio Lower Upper
139 100
109 44.7 20.0 30.0#
65 69.1 40.8 61.2#

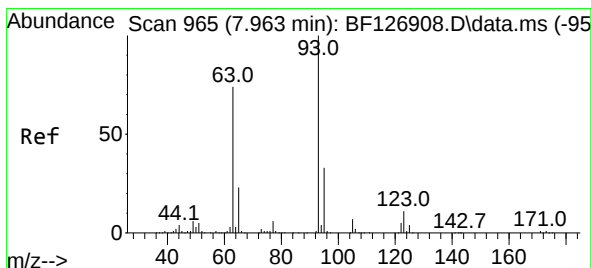
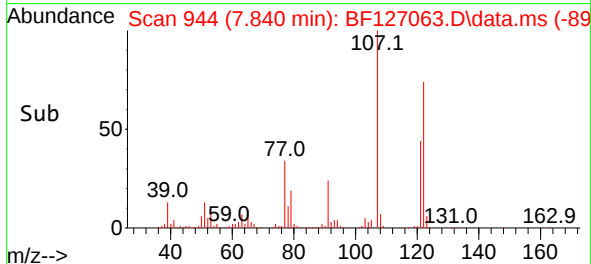
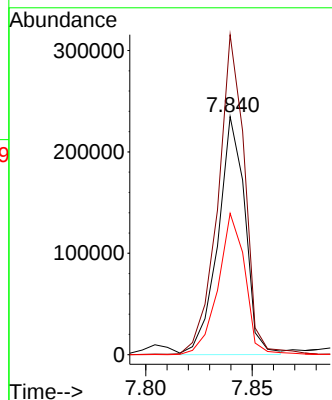
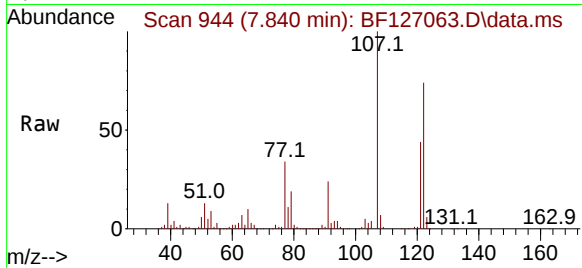




#27
2,4-Dimethylphenol
Concen: 50.251 ng
RT: 7.840 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

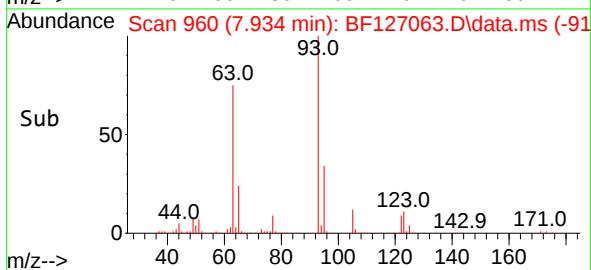
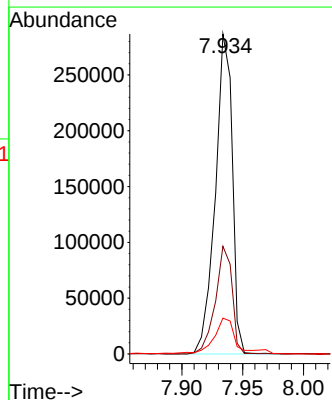
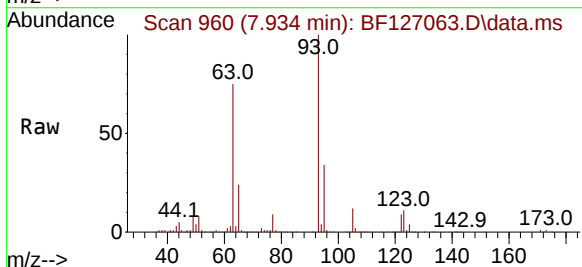
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

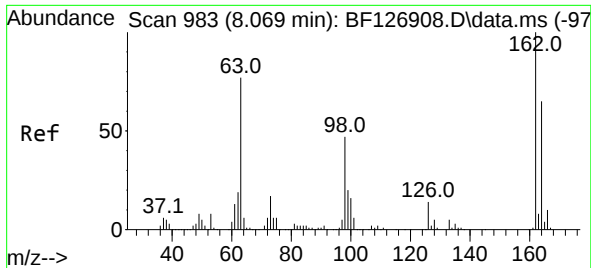
Tgt Ion:122 Resp: 207357
Ion Ratio Lower Upper
122 100
107 134.4 91.2 136.8
121 59.3 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 44.338 ng
RT: 7.934 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 93 Resp: 277778
Ion Ratio Lower Upper
93 100
95 33.7 25.4 38.2
123 11.2 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 47.512 ng

RT: 8.051 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

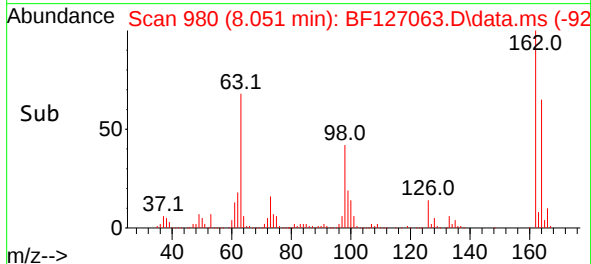
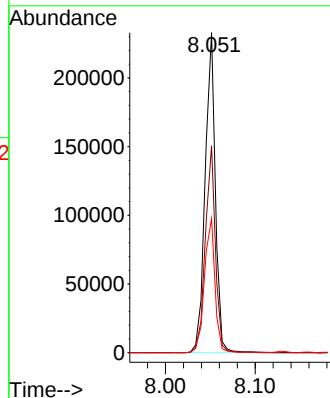
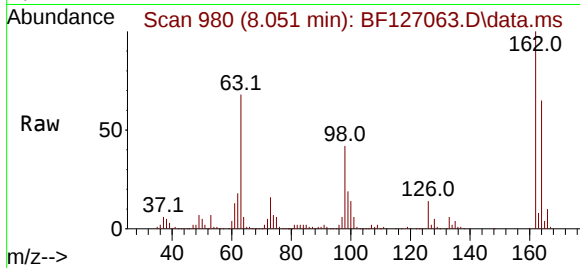
Tgt Ion:162 Resp: 184324

Ion Ratio Lower Upper

162 100

164 64.6 43.8 83.8

98 41.9 23.6 63.6



#30

1,2,4-Trichlorobenzene

Concen: 47.279 ng

RT: 8.134 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

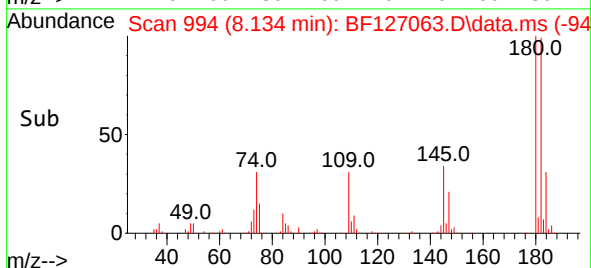
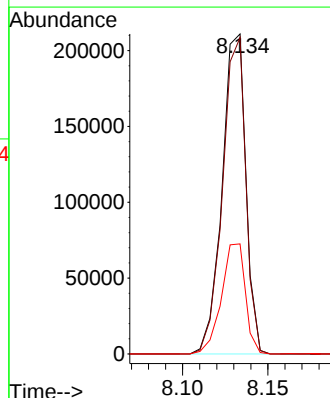
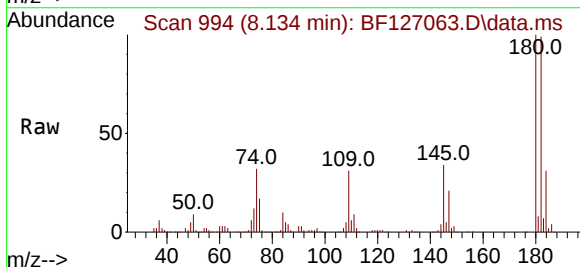
Tgt Ion:180 Resp: 205063

Ion Ratio Lower Upper

180 100

182 98.9 75.5 113.3

145 34.4 26.2 39.2

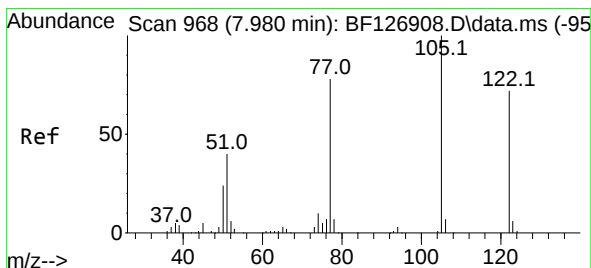
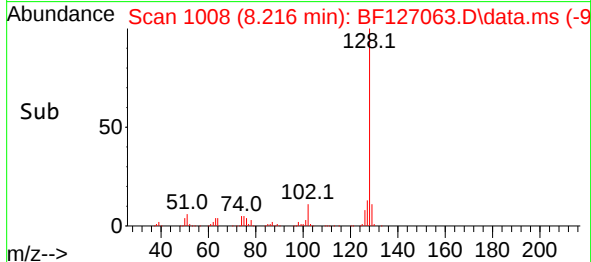
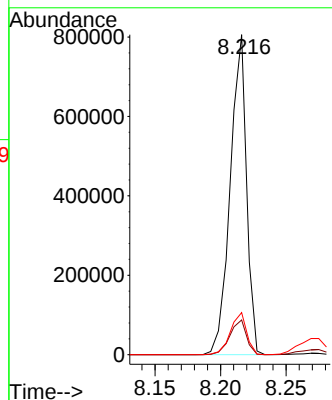
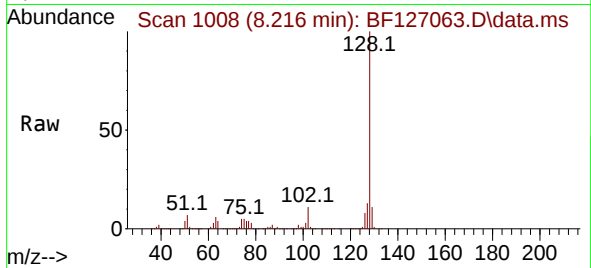




#31
Naphthalene
Concen: 47.311 ng
RT: 8.216 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

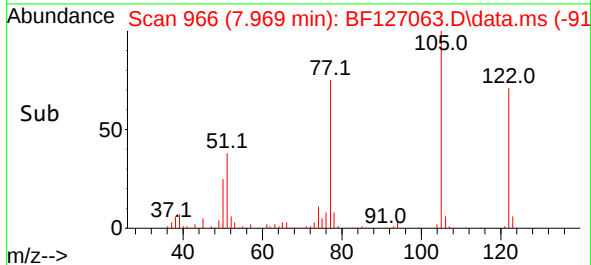
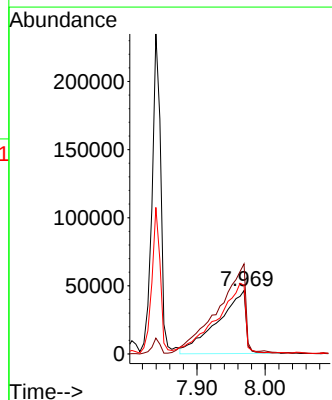
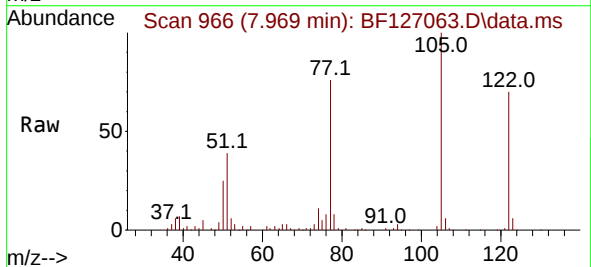
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

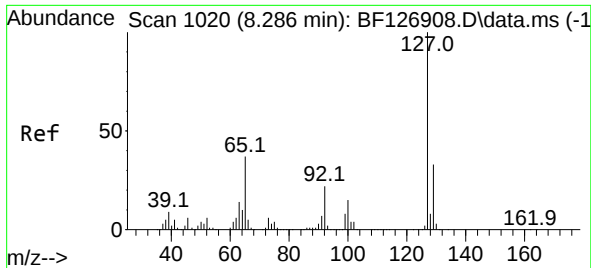
Tgt Ion:128 Resp: 696176
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.3 15.5



#32
Benzoic acid
Concen: 45.434 ng
RT: 7.969 min Scan# 966
Delta R.T. 0.012 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:122 Resp: 132960
Ion Ratio Lower Upper
122 100
105 142.0 101.0 141.0#
77 108.6 74.5 114.5

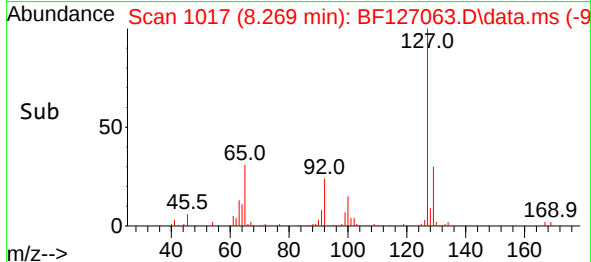
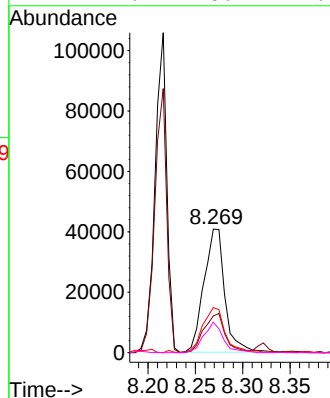
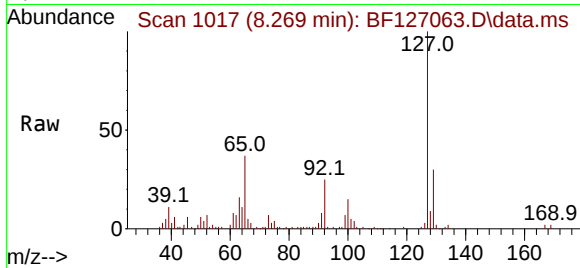




#33
4-Chloroaniline
Concen: 10.806 ng
RT: 8.269 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

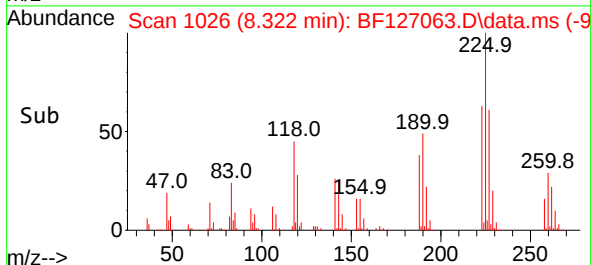
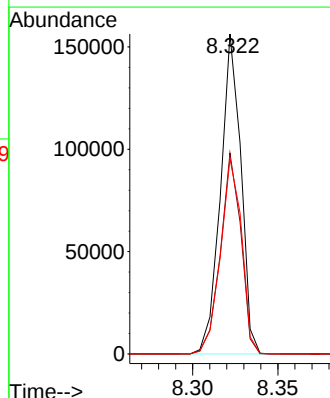
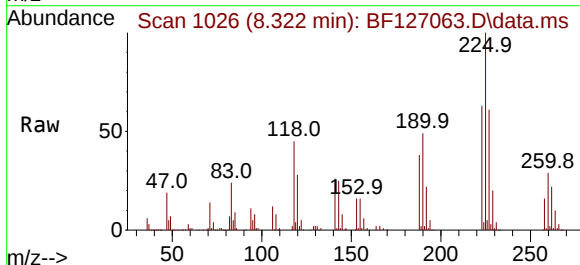
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

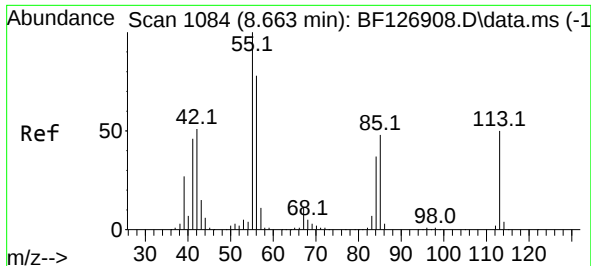
Tgt Ion:	127	Resp:	62590
Ion Ratio	Lower	Upper	
127	100		
129	29.8	26.5	39.7
65	36.6	26.6	39.8
92	24.7	16.1	24.1



#34
Hexachlorobutadiene
Concen: 51.200 ng
RT: 8.322 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:	225	Resp:	129648
Ion Ratio	Lower	Upper	
225	100		
223	62.8	48.6	73.0
227	61.0	51.4	77.0

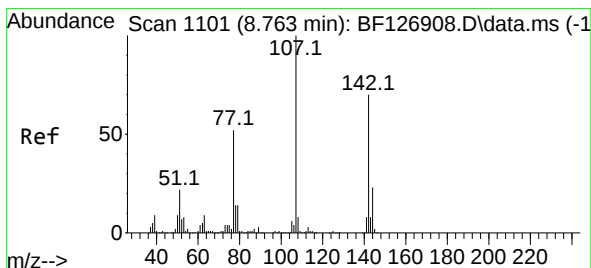
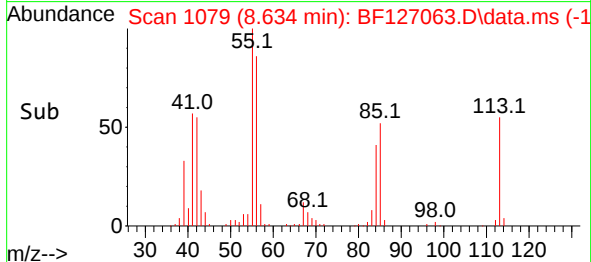
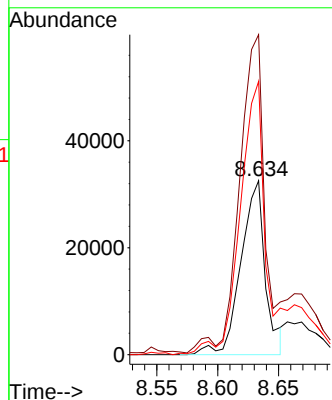
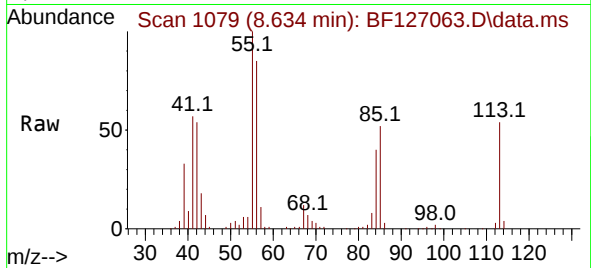




#35
Caprolactam
Concen: 33.342 ng
RT: 8.634 min Scan# 1098
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

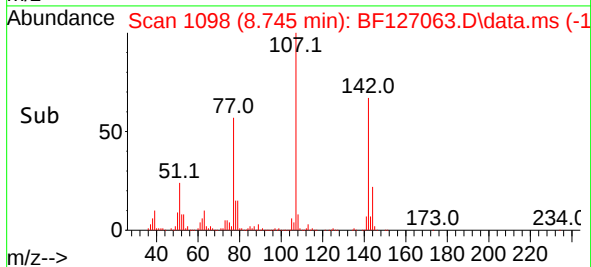
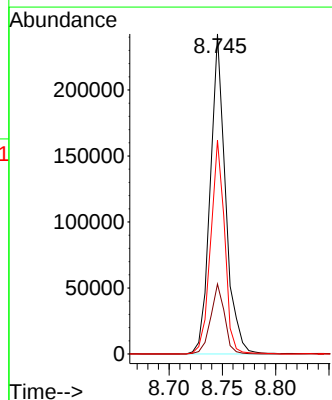
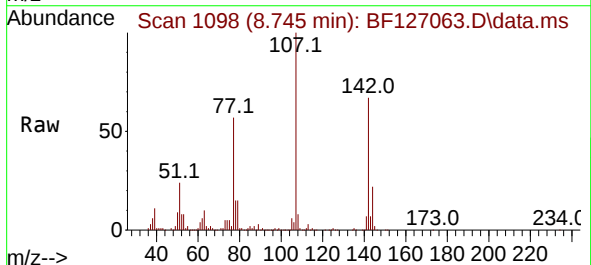
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

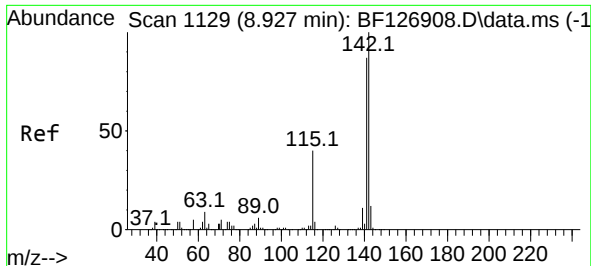
Tgt Ion:113 Resp: 45171
Ion Ratio Lower Upper
113 100
55 184.0 183.9 223.9
56 157.1 129.9 169.9



#36
4-Chloro-3-methylphenol
Concen: 48.927 ng
RT: 8.745 min Scan# 1098
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:107 Resp: 242588
Ion Ratio Lower Upper
107 100
144 21.8 18.5 27.7
142 66.8 58.1 87.1

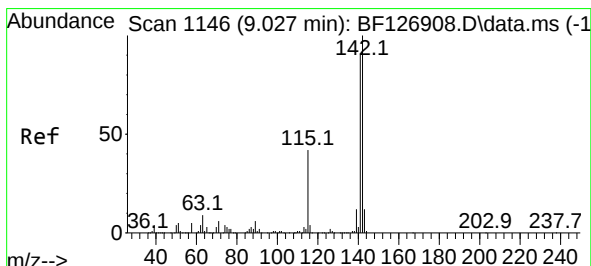
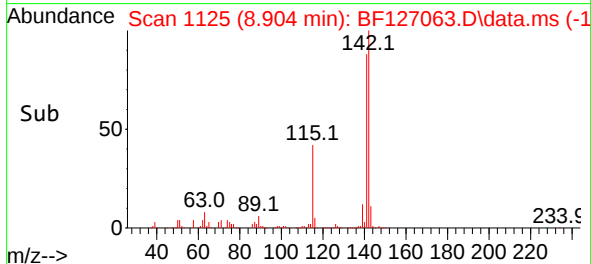
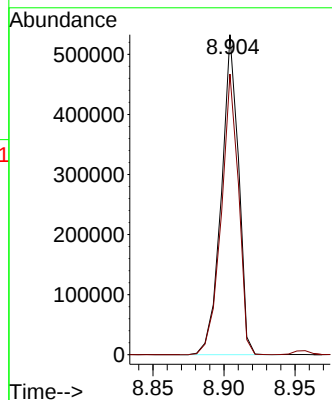
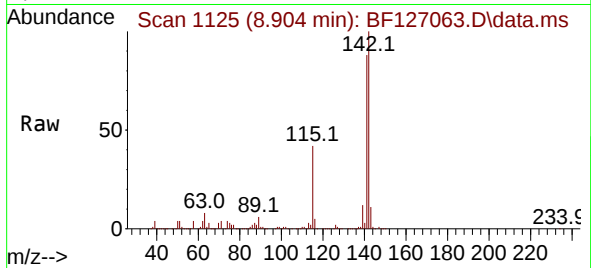




#37
2-Methylnaphthalene
Concen: 46.838 ng
RT: 8.904 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

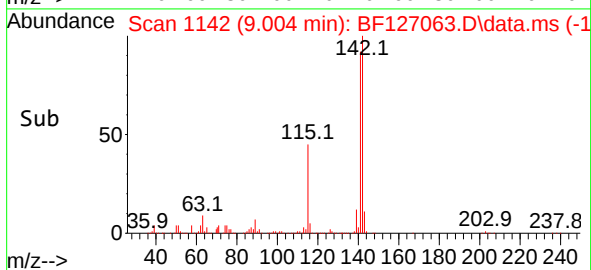
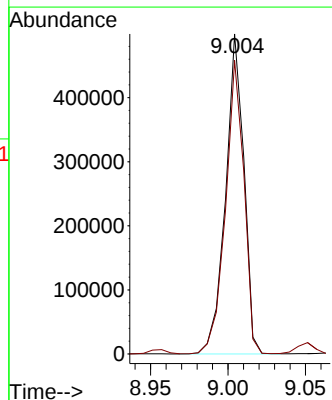
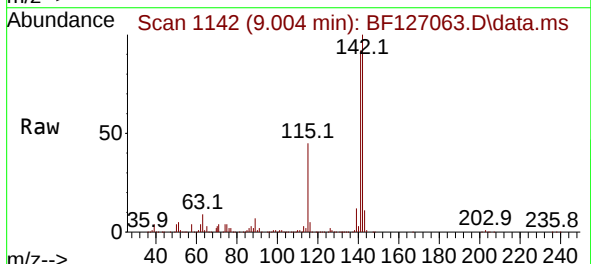
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

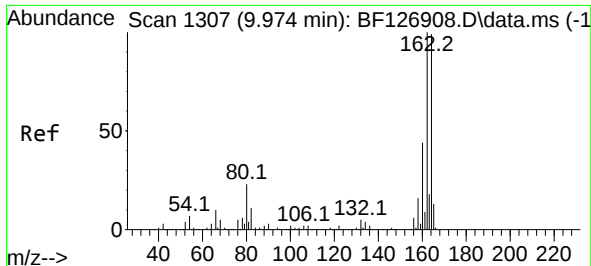
Tgt Ion:142 Resp: 447223
Ion Ratio Lower Upper
142 100
141 87.7 68.6 102.8



#38
1-Methylnaphthalene
Concen: 44.958 ng
RT: 9.004 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:142 Resp: 411066
Ion Ratio Lower Upper
142 100
141 91.8 72.1 108.1

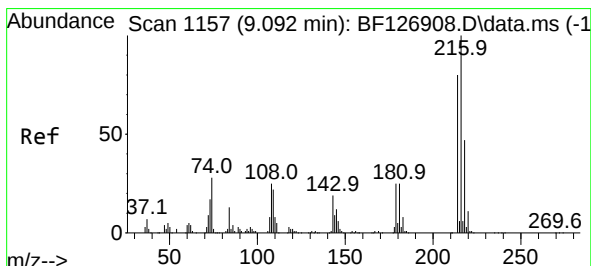
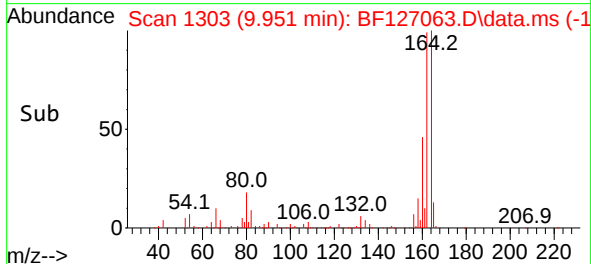
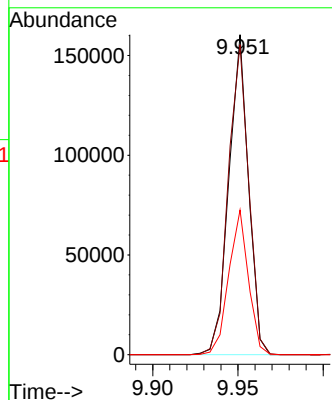
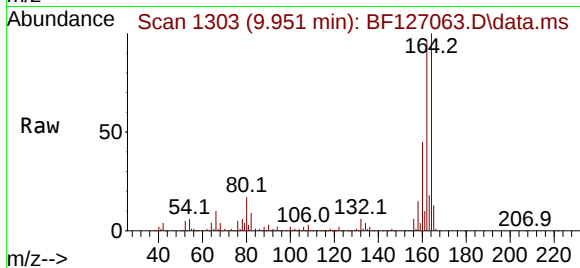




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

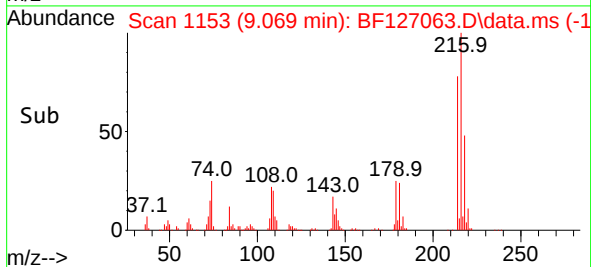
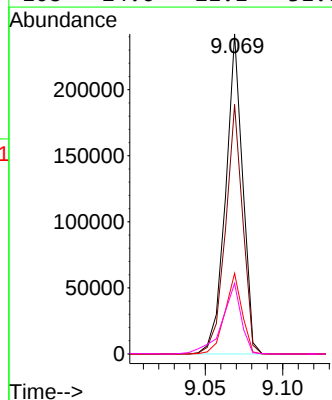
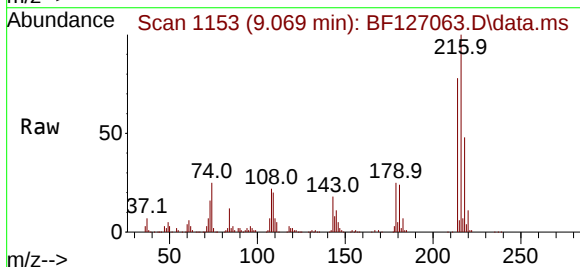
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

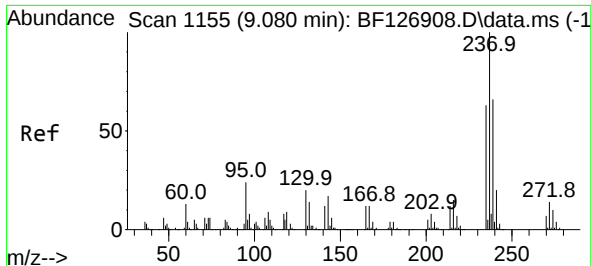
Tgt Ion:164 Resp: 128725
Ion Ratio Lower Upper
164 100
162 96.9 81.4 122.0
160 45.2 36.6 54.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.820 ng
RT: 9.069 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:216 Resp: 185759
Ion Ratio Lower Upper
216 100
214 78.1 64.6 96.8
179 25.1 19.5 29.3
108 24.6 21.1 31.7

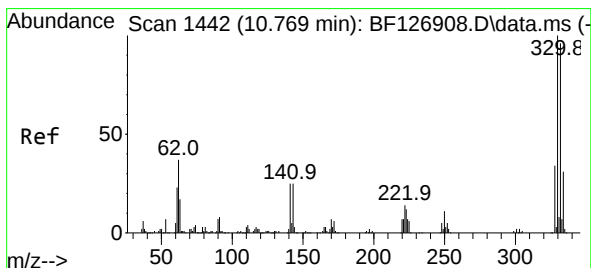
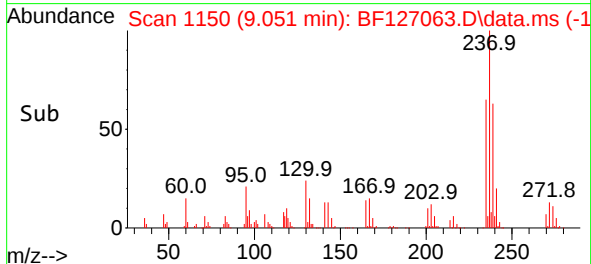
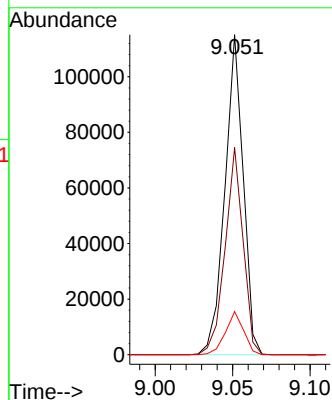
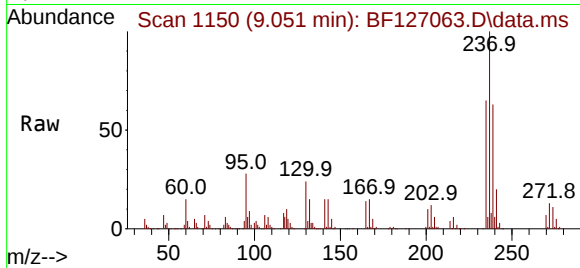




#41
Hexachlorocyclopentadiene
Concen: 51.549 ng
RT: 9.051 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

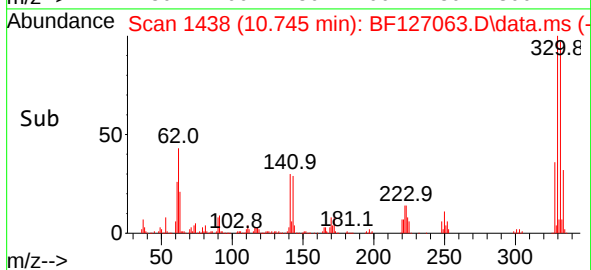
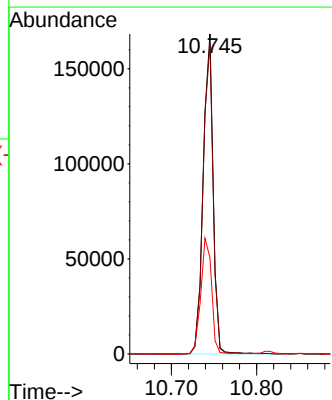
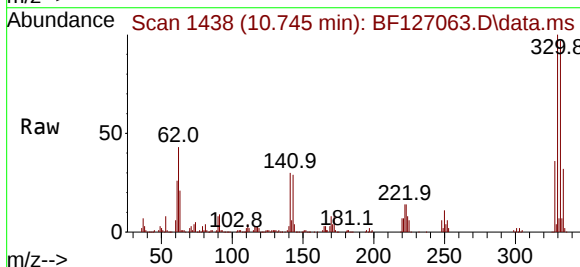
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

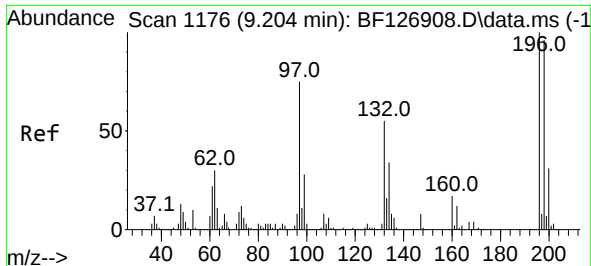
Tgt Ion:237	Resp:	94737
Ion Ratio	Lower	Upper
237	100	
235	64.7	38.9 78.9
272	13.5	0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 92.093 ng
RT: 10.745 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:330	Resp:	136491
Ion Ratio	Lower	Upper
330	100	
332	97.9	76.0 114.0
141	39.3	30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 48.529 ng

RT: 9.181 min Scan# 1176

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

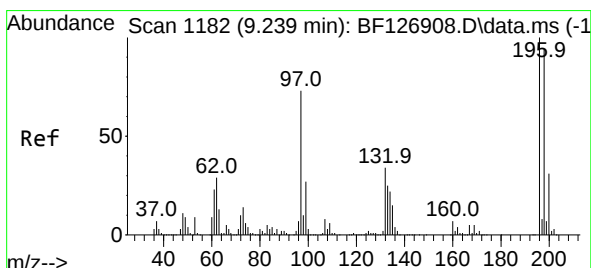
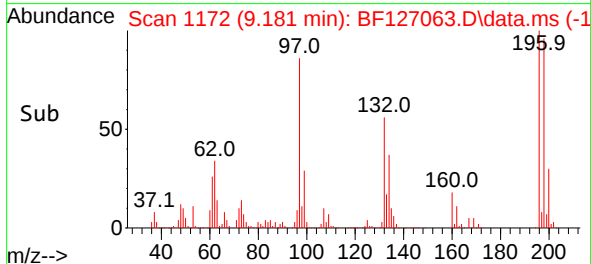
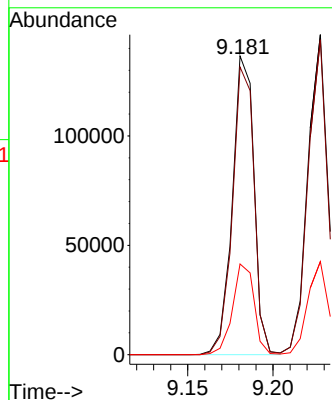
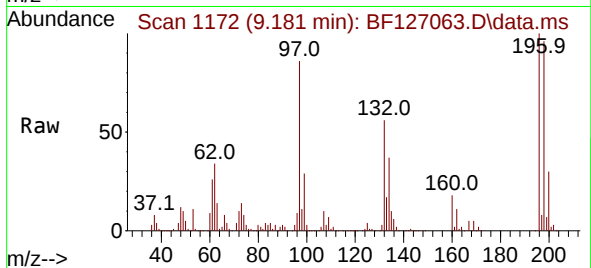
Tgt Ion:196 Resp: 120606

Ion Ratio Lower Upper

196 100

198 96.3 78.5 117.7

200 30.4 24.9 37.3



#44

2,4,5-Trichlorophenol

Concen: 47.336 ng

RT: 9.228 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Tgt Ion:196 Resp: 123795

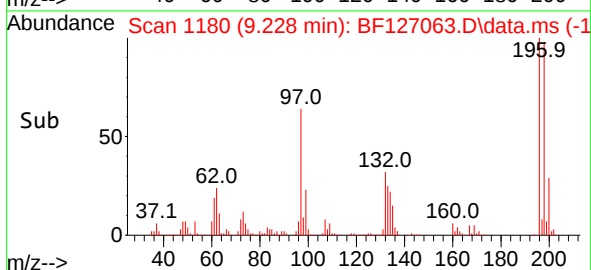
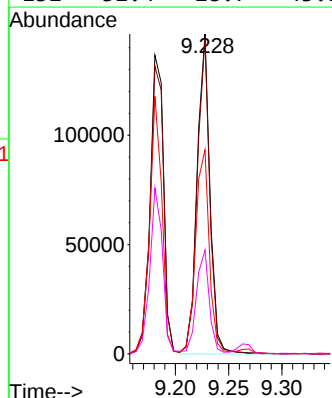
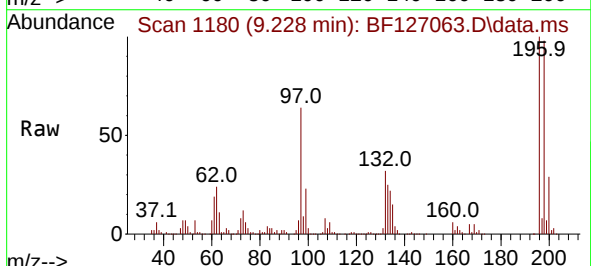
Ion Ratio Lower Upper

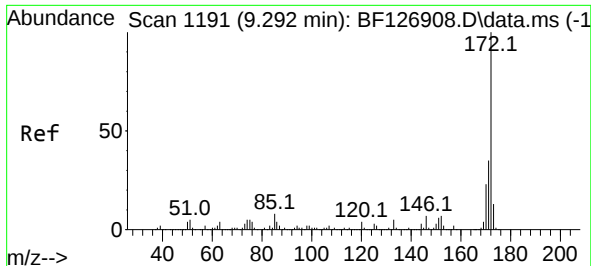
196 100

198 98.4 82.0 123.0

97 63.8 53.5 80.3

132 32.4 28.7 43.1

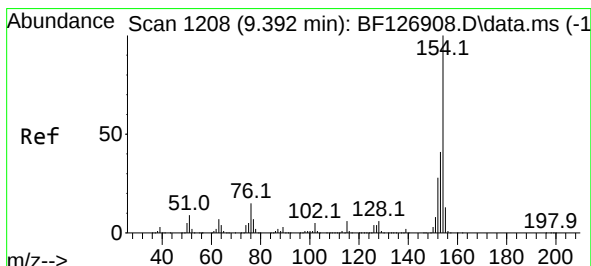
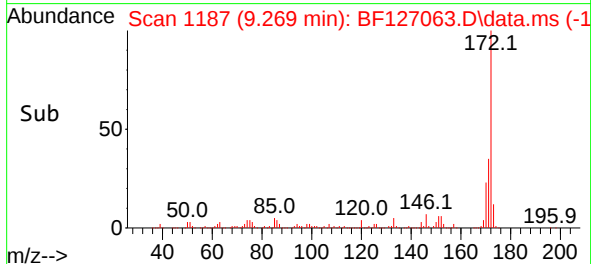
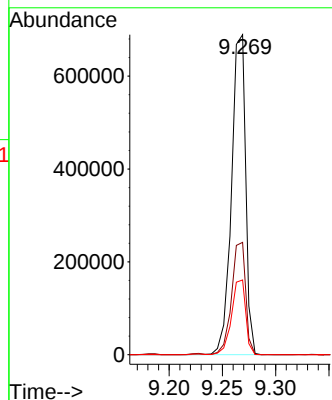
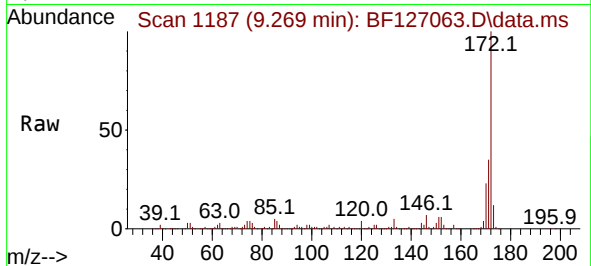




#45
2-Fluorobiphenyl
Concen: 72.715 ng
RT: 9.269 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

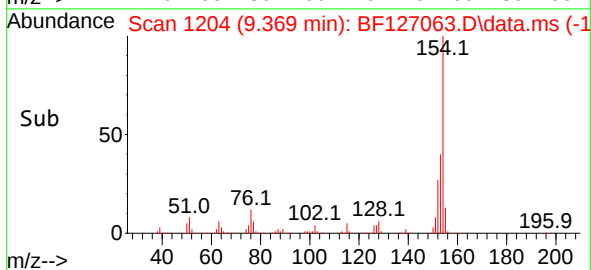
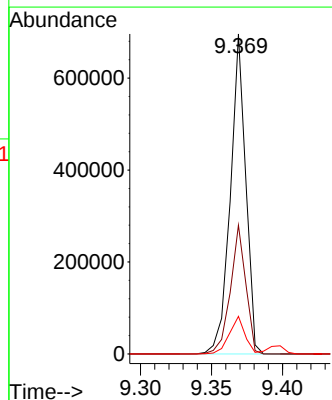
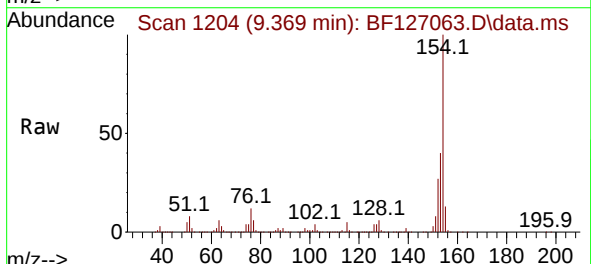
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion:172 Resp: 635818
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.4 19.0 28.6



#46
1,1'-Biphenyl
Concen: 51.477 ng
RT: 9.369 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:154 Resp: 525000
Ion Ratio Lower Upper
154 100
153 40.3 19.0 59.0
76 11.8 0.0 34.5

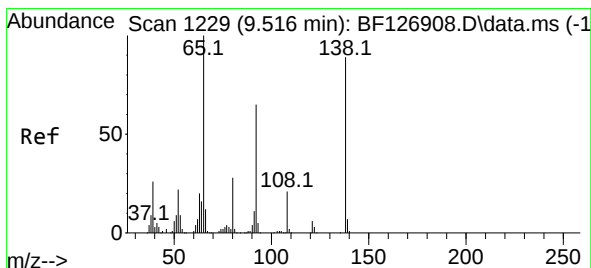
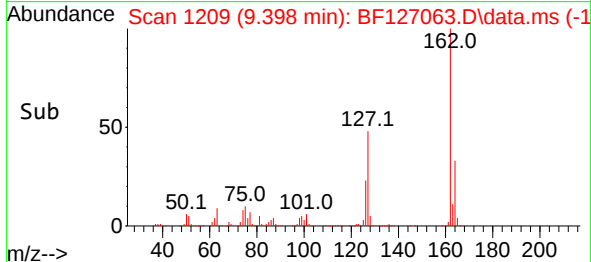
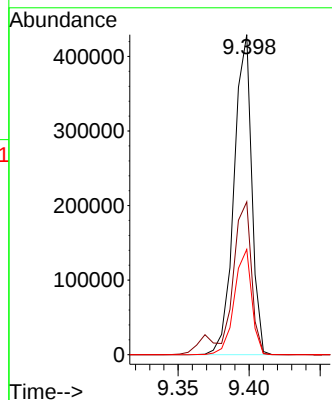
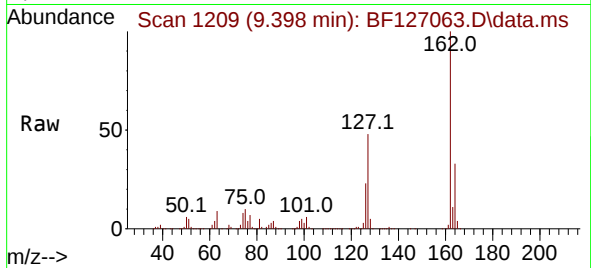




#47
2-Chloronaphthalene
Concen: 49.038 ng
RT: 9.398 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

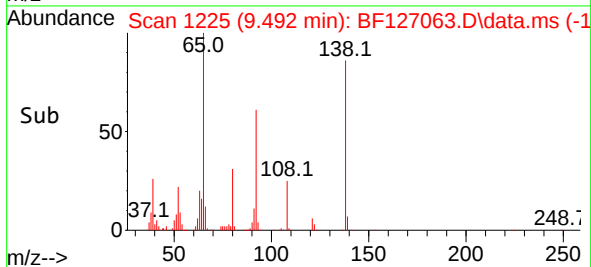
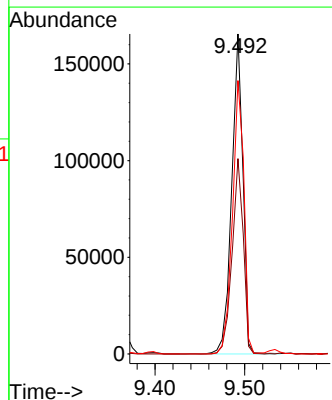
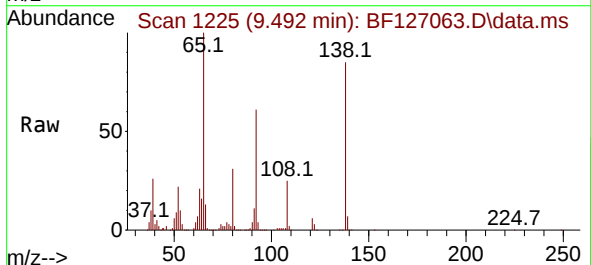
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

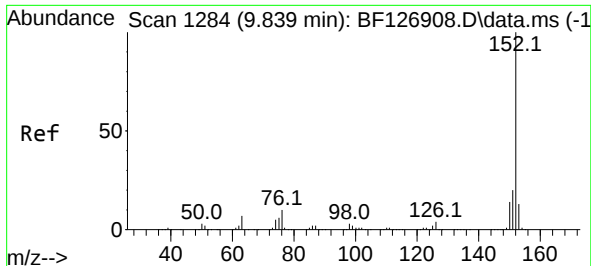
Tgt Ion:162 Resp: 370868
Ion Ratio Lower Upper
162 100
127 47.8 33.5 50.3
164 32.9 26.2 39.4



#48
2-Nitroaniline
Concen: 47.926 ng
RT: 9.492 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 65 Resp: 143032
Ion Ratio Lower Upper
65 100
92 61.0 54.4 81.6
138 85.5 72.5 108.7





#49

Acenaphthylene

Concen: 48.574 ng

RT: 9.816 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

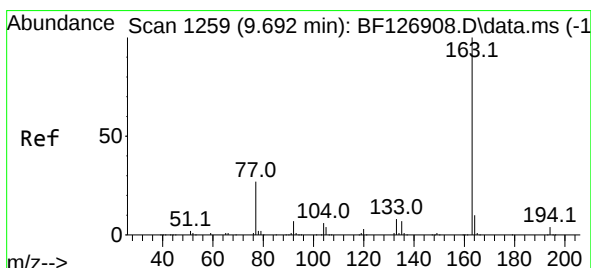
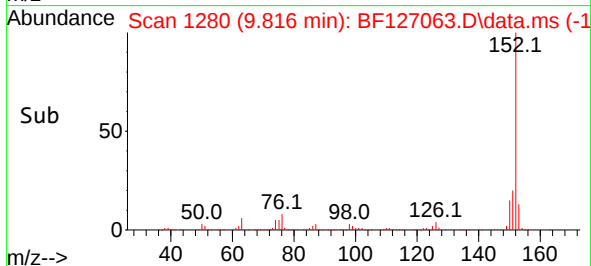
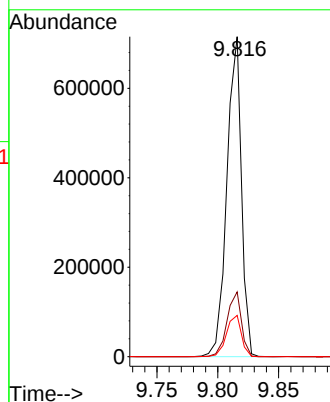
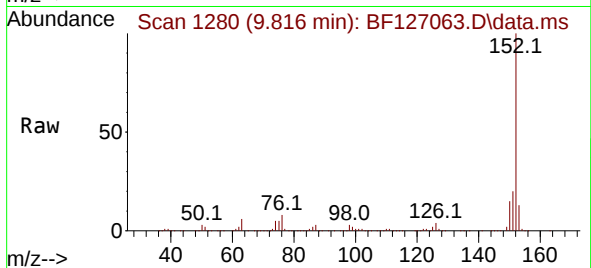
Tgt Ion:152 Resp: 596725

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

153 12.9 11.4 17.0



#50

Dimethylphthalate

Concen: 50.238 ng

RT: 9.669 min Scan# 1255

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

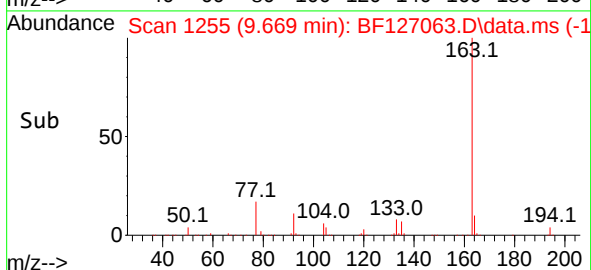
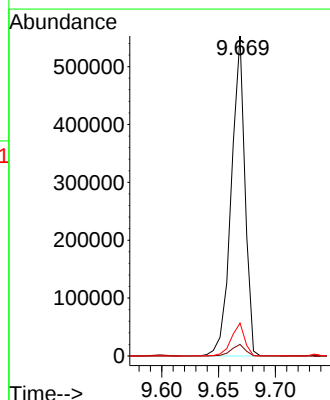
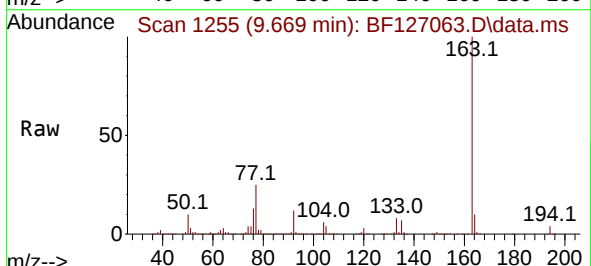
Tgt Ion:163 Resp: 462245

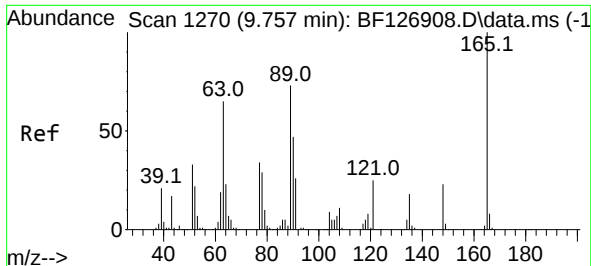
Ion Ratio Lower Upper

163 100

194 3.6 2.6 3.8

164 10.2 7.8 11.8

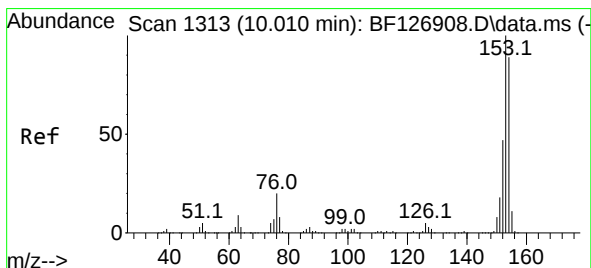
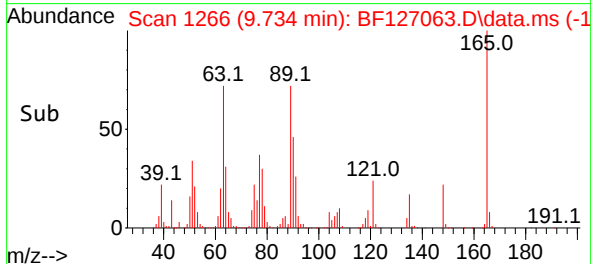
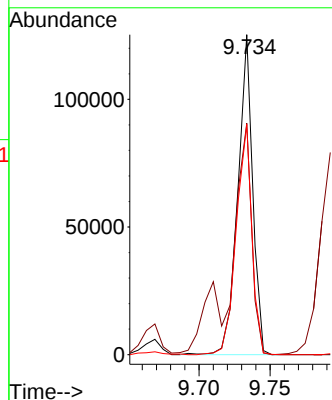
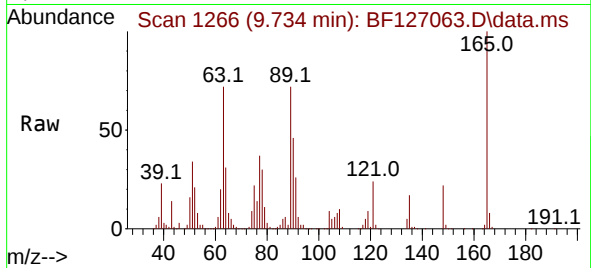




#51
2,6-Dinitrotoluene
Concen: 48.896 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

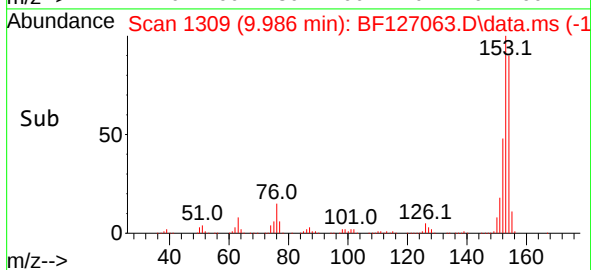
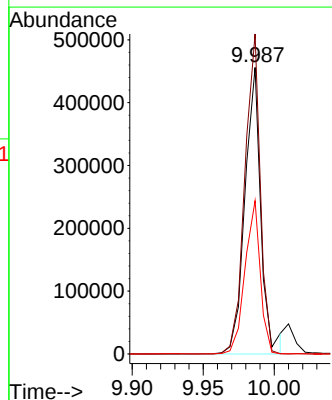
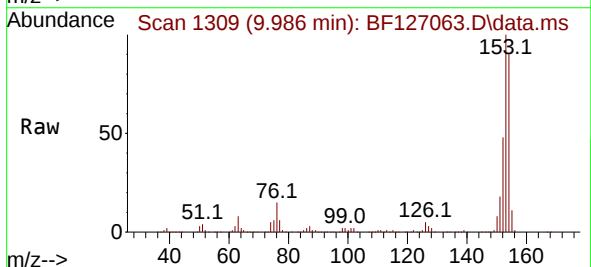
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

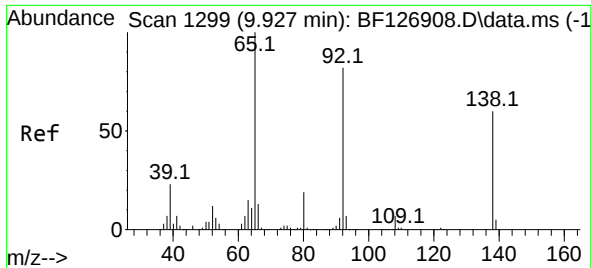
Tgt Ion:165 Resp: 91534
Ion Ratio Lower Upper
165 100
63 72.4 48.4 72.6
89 72.0 50.5 75.7



#52
Acenaphthene
Concen: 44.781 ng
RT: 9.986 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:154 Resp: 357780
Ion Ratio Lower Upper
154 100
153 111.7 87.8 131.6
152 53.5 39.4 59.2

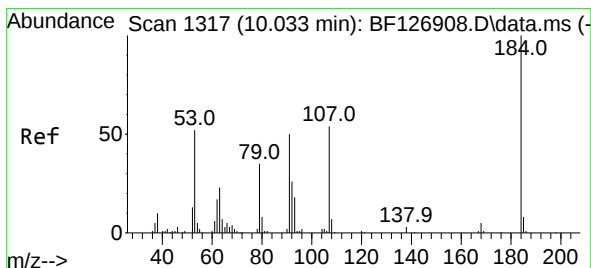
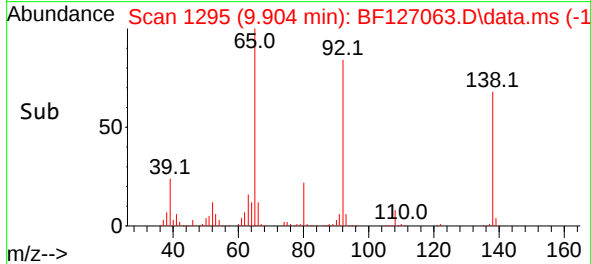
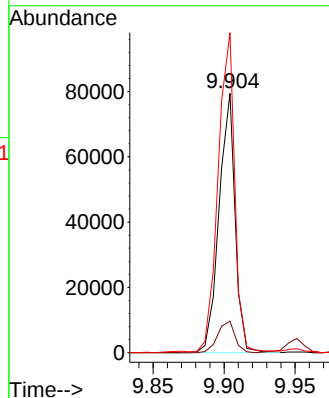
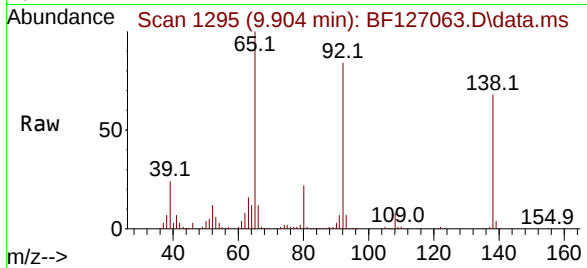




#53
3-Nitroaniline
Concen: 27.225 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

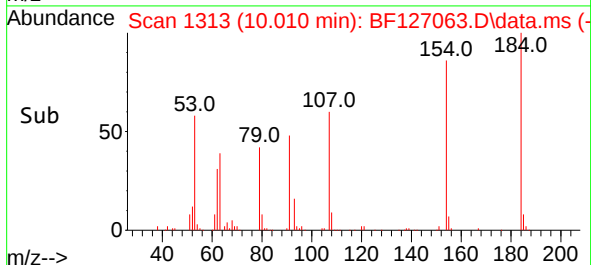
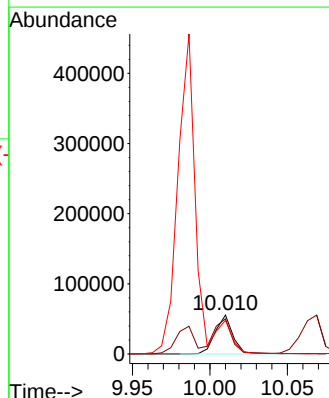
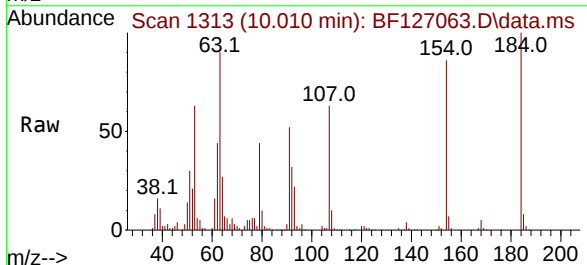
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

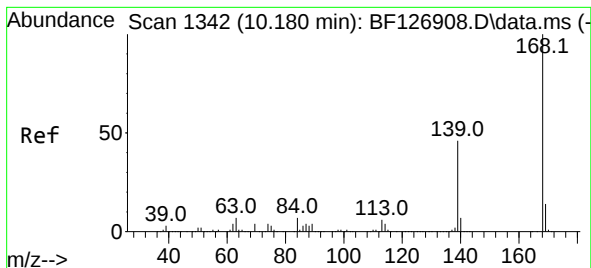
Tgt Ion:138 Resp: 62300
Ion Ratio Lower Upper
138 100
108 12.2 8.6 13.0
92 123.4 105.0 157.6



#54
2,4-Dinitrophenol
Concen: 44.491 ng
RT: 10.010 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:184 Resp: 44083
Ion Ratio Lower Upper
184 100
63 90.2 70.4 105.6
154 86.2 49.7 74.5#





#55

Dibenzenofuran

Concen: 45.138 ng

RT: 10.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

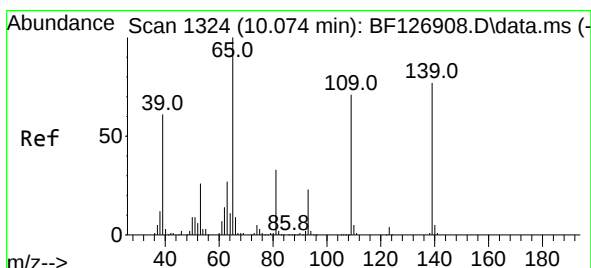
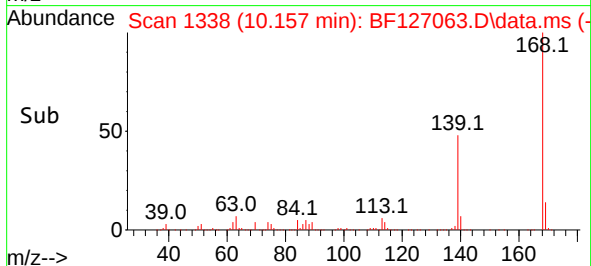
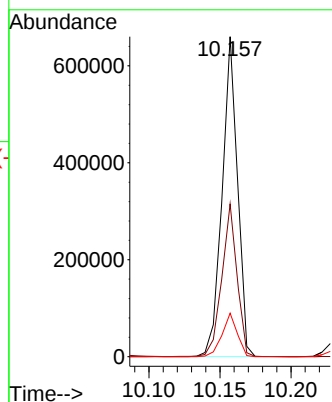
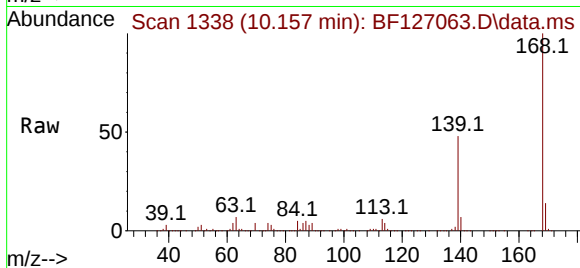
Tgt Ion:168 Resp: 495895

Ion Ratio Lower Upper

168 100

139 47.8 30.6 46.0#

169 13.6 10.0 15.0



#56

4-Nitrophenol

Concen: 78.208 ng

RT: 10.069 min Scan# 1323

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

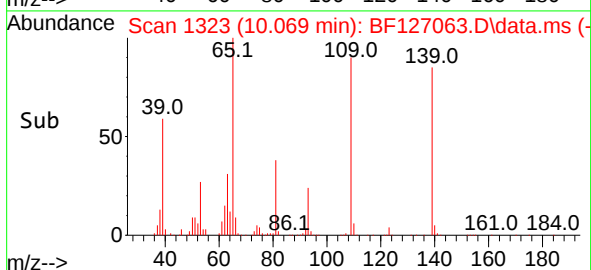
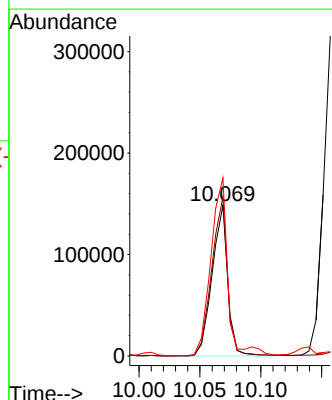
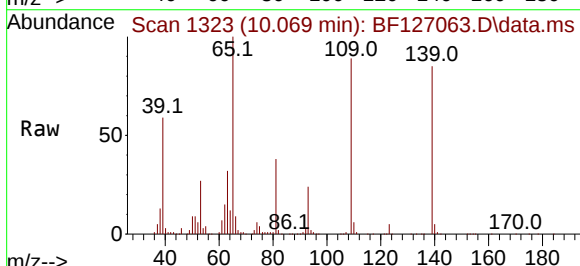
Tgt Ion:139 Resp: 132178

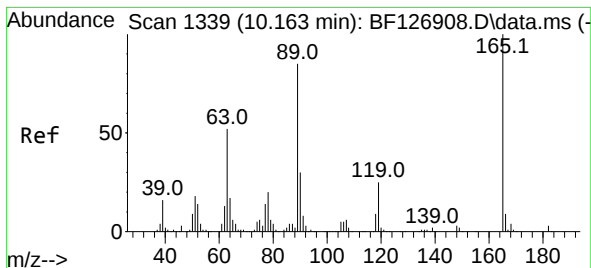
Ion Ratio Lower Upper

139 100

109 105.7 44.1 84.1#

65 118.2 85.5 125.5

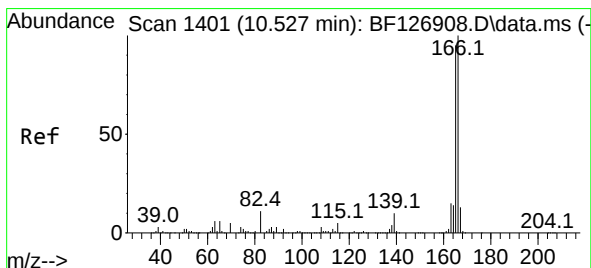
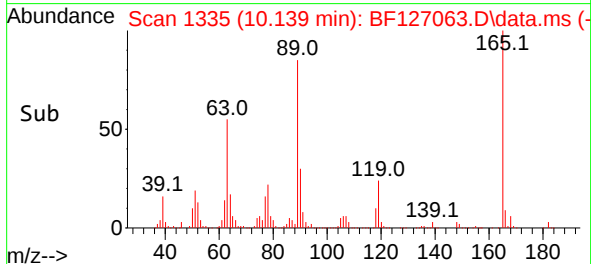
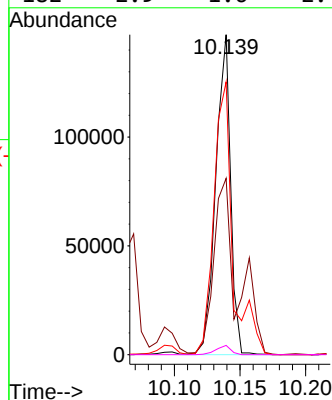
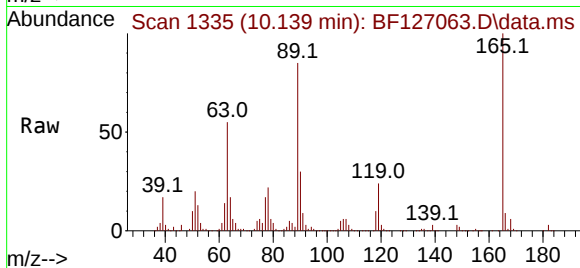




#57
2,4-Dinitrotoluene
Concen: 45.608 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

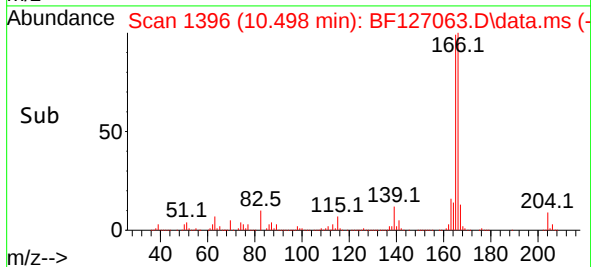
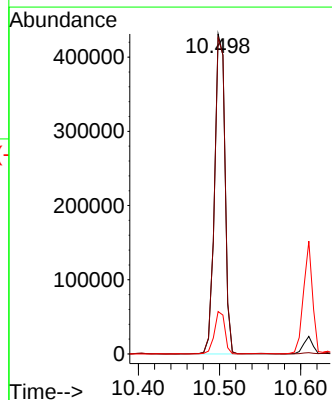
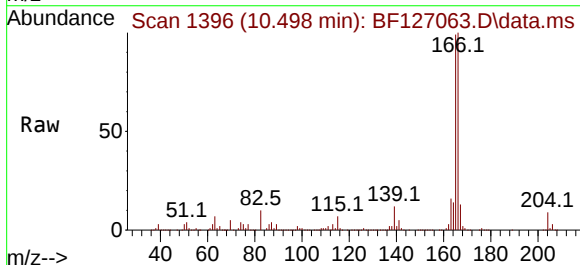
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

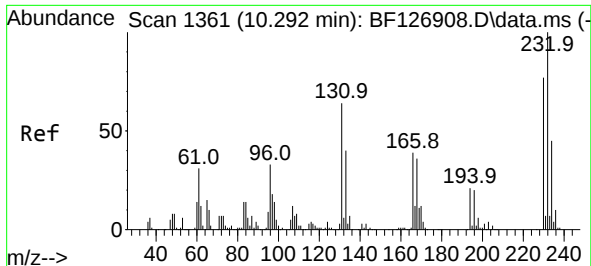
Tgt Ion:165 Resp: 115439
Ion Ratio Lower Upper
165 100
63 55.1 43.0 64.6
89 85.2 71.0 106.4
182 2.9 1.6 2.4#



#58
Fluorene
Concen: 44.576 ng
RT: 10.498 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:166 Resp: 381460
Ion Ratio Lower Upper
166 100
165 98.9 77.7 116.5
167 13.3 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.648 ng

RT: 10.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion:232 Resp: 90497

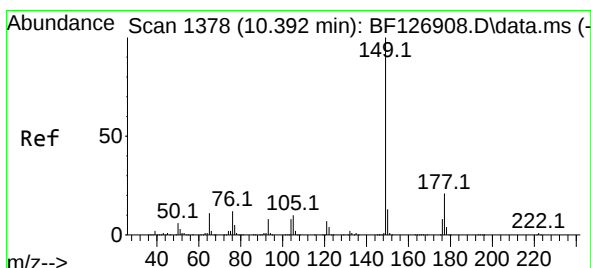
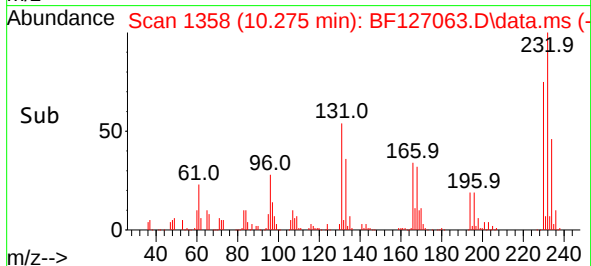
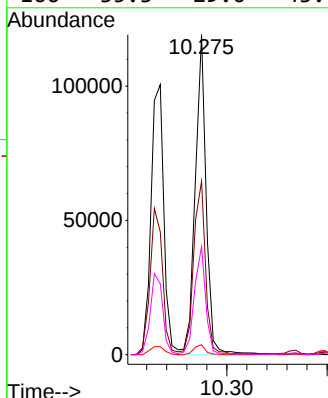
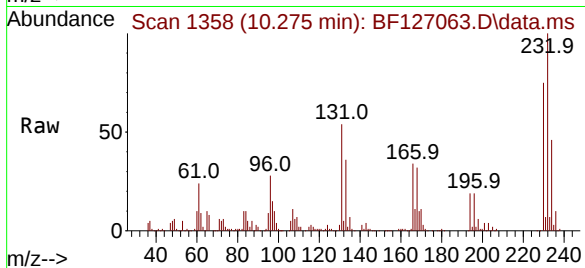
Ion Ratio Lower Upper

232 100

131 58.2 50.0 75.0

130 3.3 2.2 3.2#

166 35.3 29.0 43.4



#60

Diethylphthalate

Concen: 48.312 ng

RT: 10.369 min Scan# 1374

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

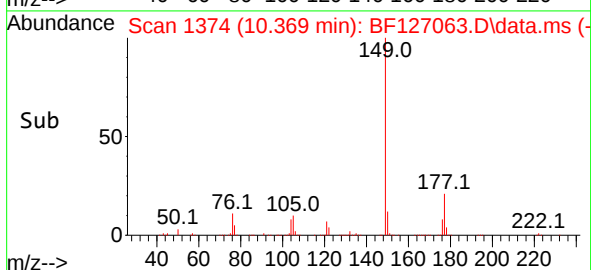
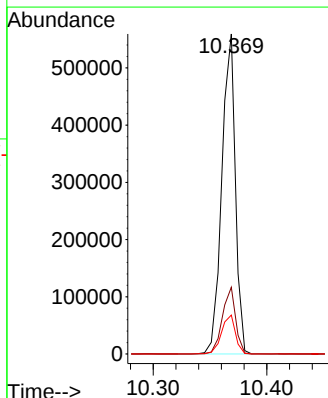
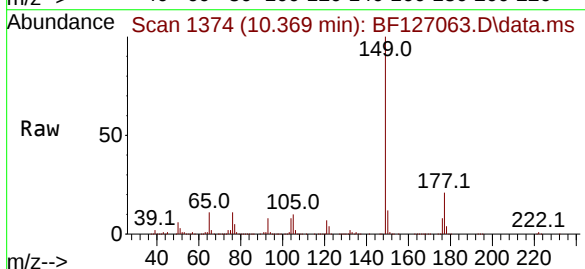
Tgt Ion:149 Resp: 464490

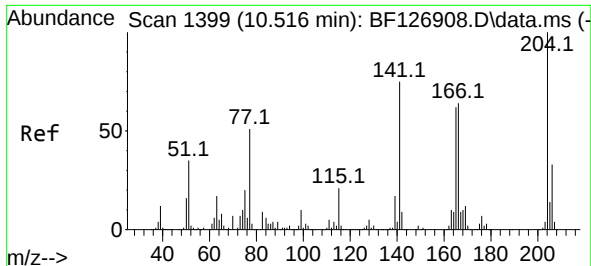
Ion Ratio Lower Upper

149 100

177 20.9 16.7 25.1

150 12.1 9.8 14.8

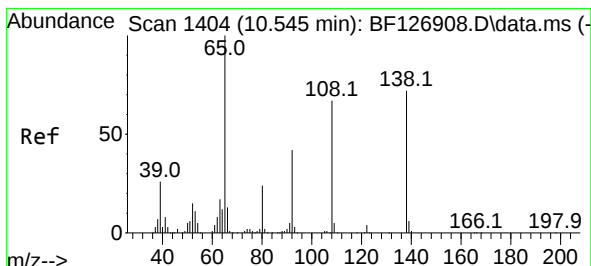
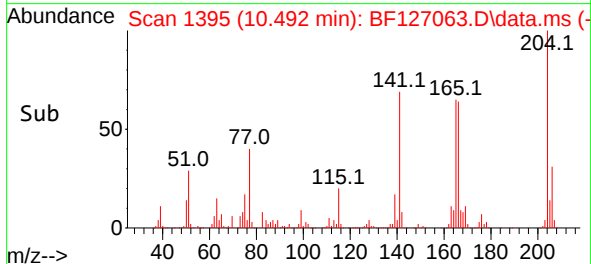
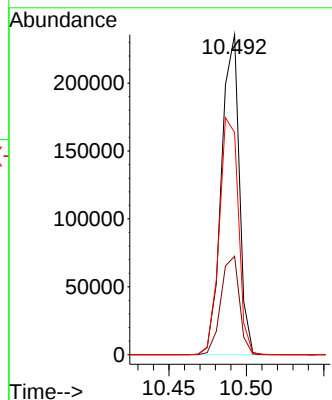
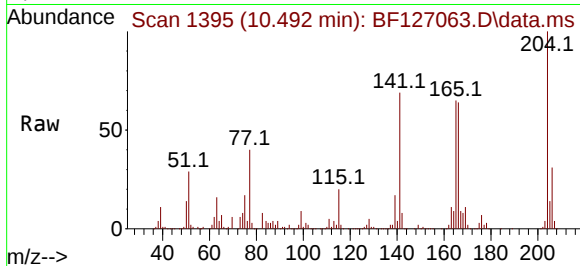




#61
4-Chlorophenyl-phenylether
Concen: 46.685 ng
RT: 10.492 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

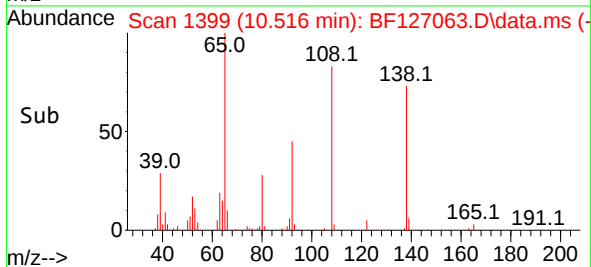
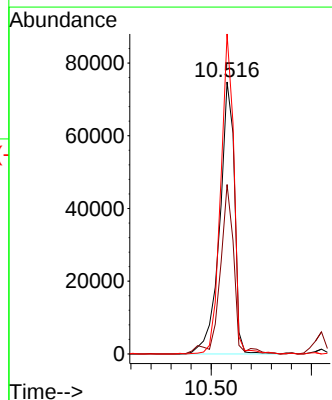
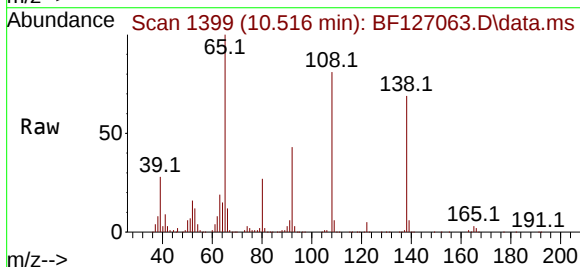
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

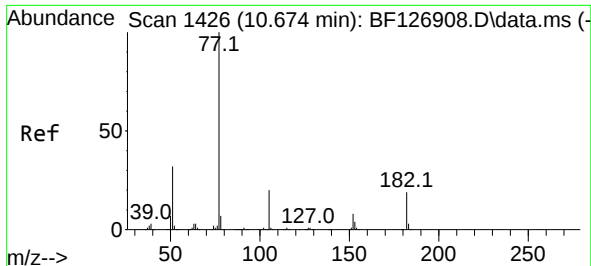
Tgt Ion:204 Resp: 188384
Ion Ratio Lower Upper
204 100
206 30.8 26.3 39.5
141 69.5 59.0 88.6



#62
4-Nitroaniline
Concen: 33.885 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:138 Resp: 76568
Ion Ratio Lower Upper
138 100
92 62.3 36.2 76.2
108 117.6 46.7 86.7#

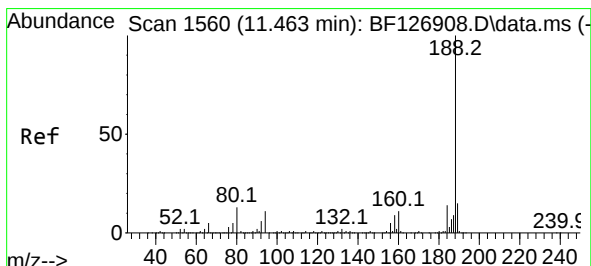
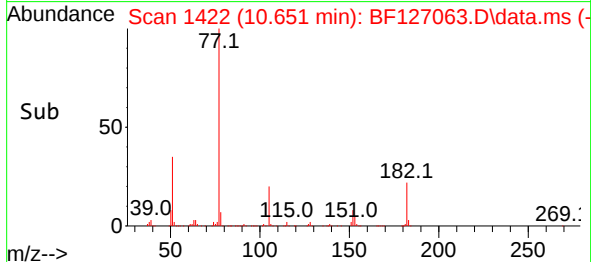
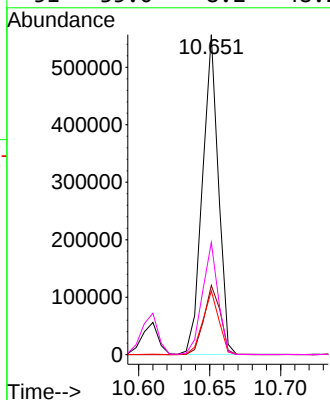
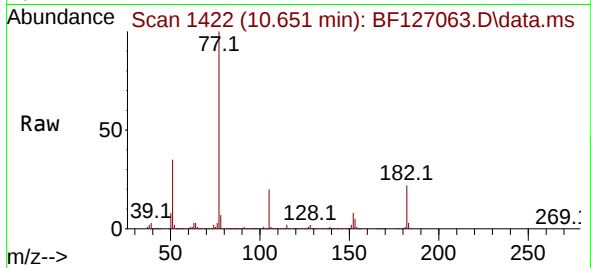




#63
Azobenzene
Concen: 40.481 ng
RT: 10.651 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

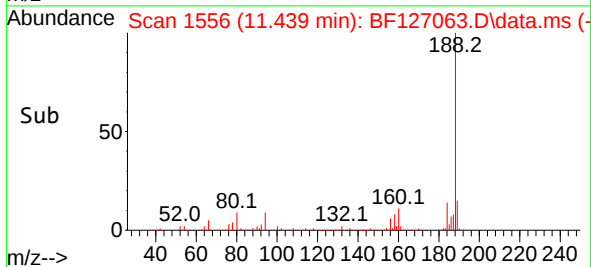
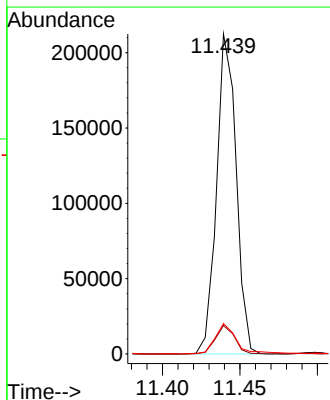
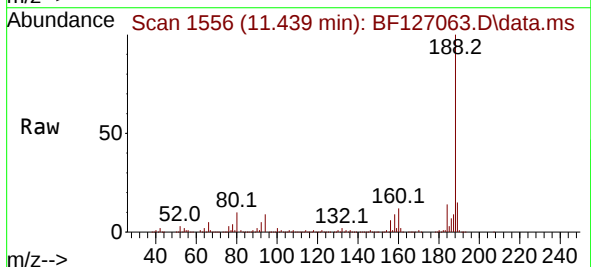
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

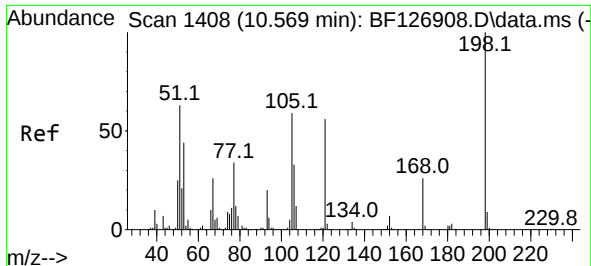
Tgt Ion: 77	Resp: 433376
Ion Ratio	Lower Upper
77	100
182	21.6 0.0 39.0
105	19.9 3.2 43.2
51	35.0 8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 188	Resp: 186513
Ion Ratio	Lower Upper
188	100
94	8.9 10.1 15.1#
80	9.5 11.8 17.6#

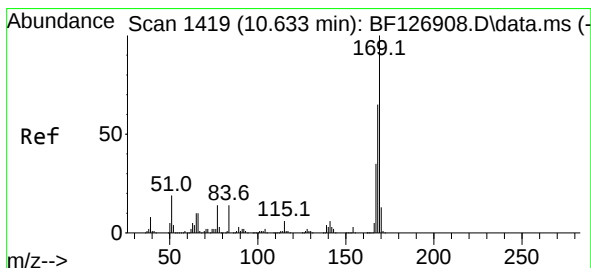
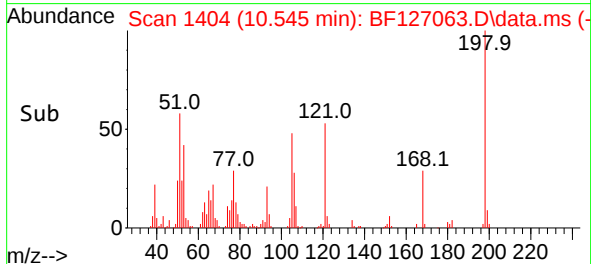
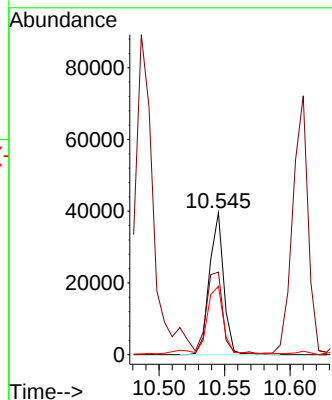
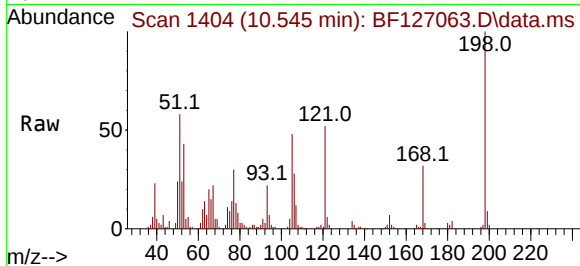




#65
4,6-Dinitro-2-methylphenol
Concen: 27.413 ng
RT: 10.545 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

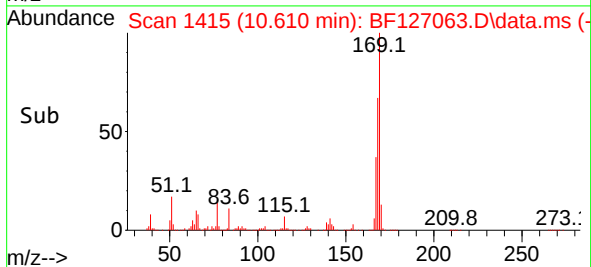
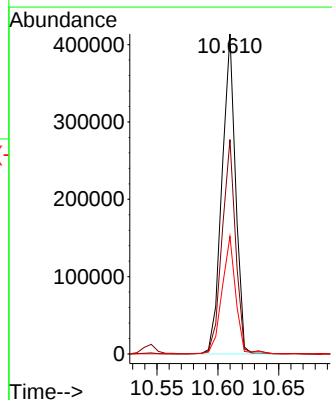
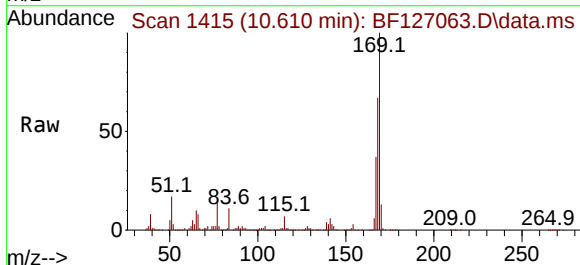
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

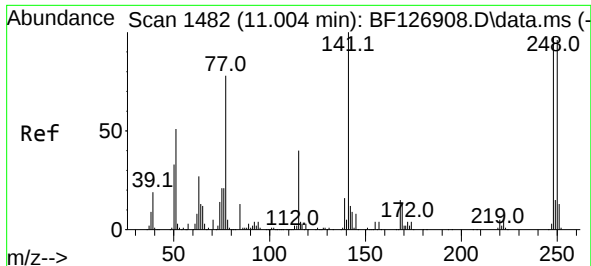
Tgt Ion:198 Resp: 30042
Ion Ratio Lower Upper
198 100
51 58.2 32.0 72.0
105 48.2 32.7 72.7



#66
n-Nitrosodiphenylamine
Concen: 52.809 ng
RT: 10.610 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:169 Resp: 322978
Ion Ratio Lower Upper
169 100
168 67.0 53.4 80.0
167 36.8 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 52.275 ng

RT: 10.981 min Scan# 1482

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

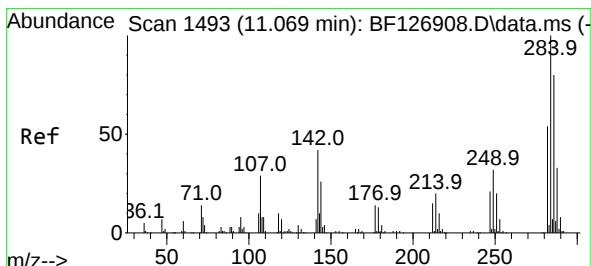
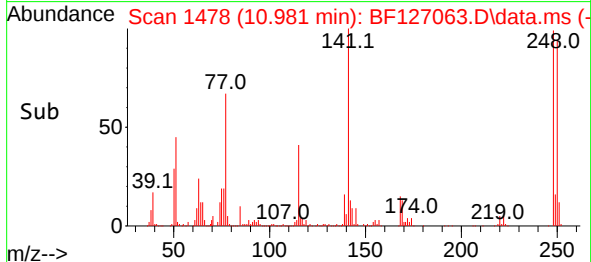
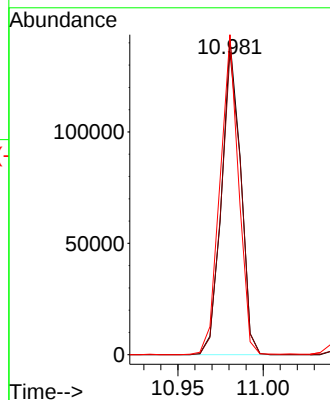
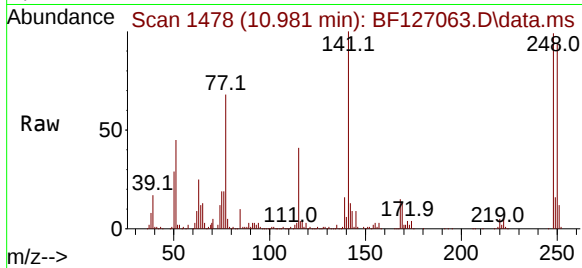
Tgt Ion:248 Resp: 108936

Ion Ratio Lower Upper

248 100

250 95.8 76.2 114.4

141 101.4 66.2 99.4#



#68

Hexachlorobenzene

Concen: 50.803 ng

RT: 11.045 min Scan# 1489

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

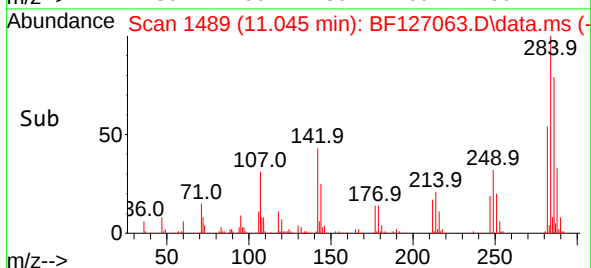
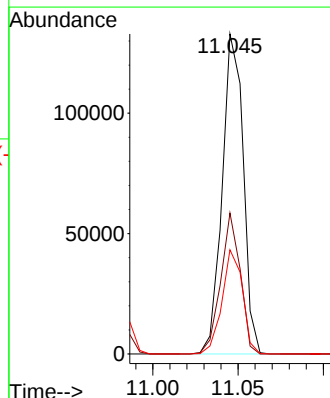
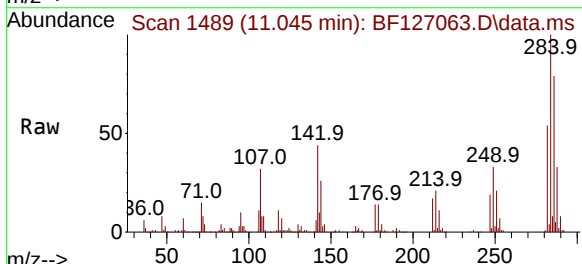
Tgt Ion:284 Resp: 113972

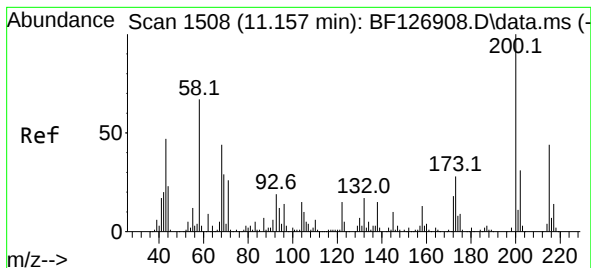
Ion Ratio Lower Upper

284 100

142 44.1 30.7 46.1

249 32.5 21.1 31.7#





#69

Atrazine

Concen: 51.509 ng

RT: 11.133 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

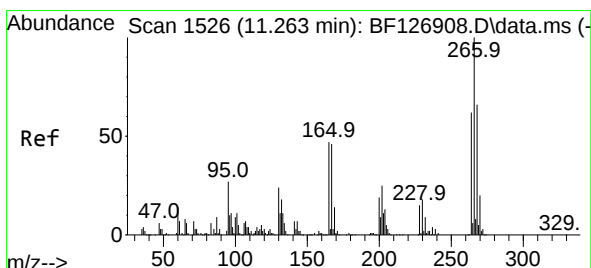
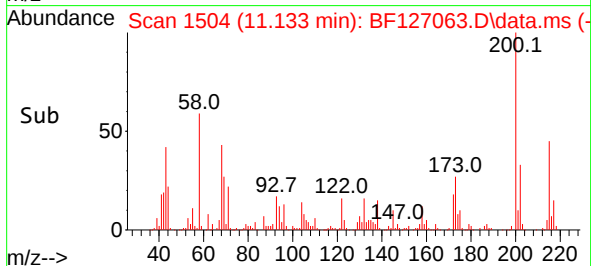
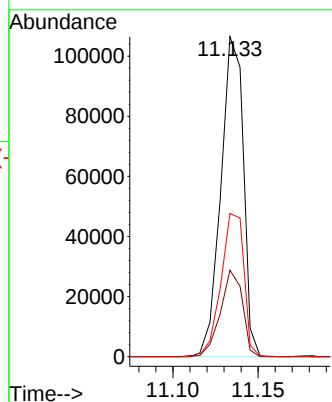
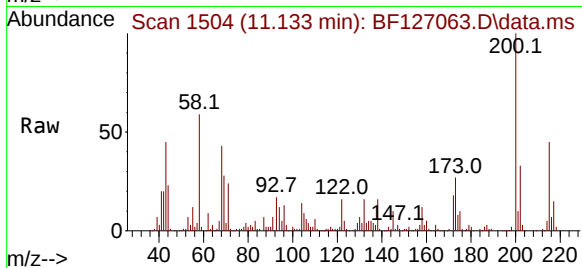
Tgt Ion:200 Resp: 97705

Ion Ratio Lower Upper

200 100

173 27.1 9.2 49.2

215 44.8 23.2 63.2



#70

Pentachlorophenol

Concen: 98.493 ng

RT: 11.245 min Scan# 1523

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

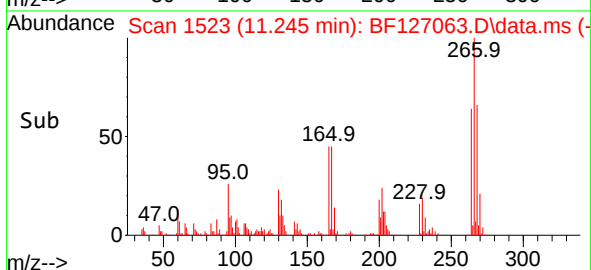
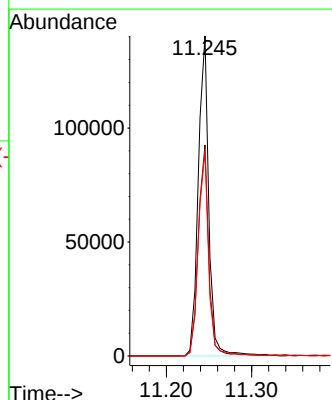
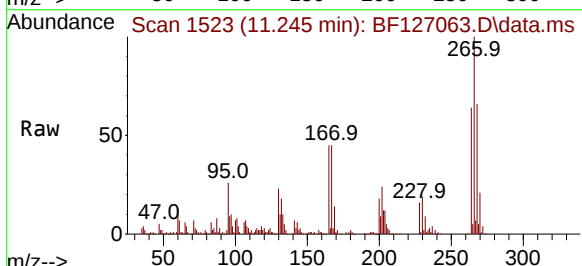
Tgt Ion:266 Resp: 120618

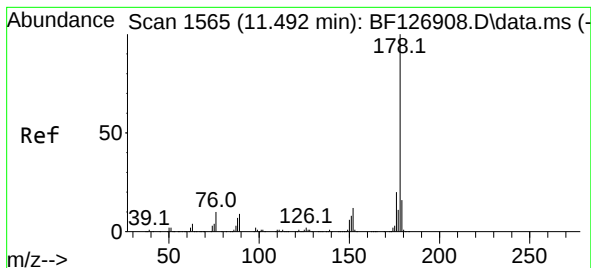
Ion Ratio Lower Upper

266 100

268 65.9 52.3 78.5

264 63.9 50.4 75.6





#71

Phenanthrene

Concen: 51.849 ng

RT: 11.469 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

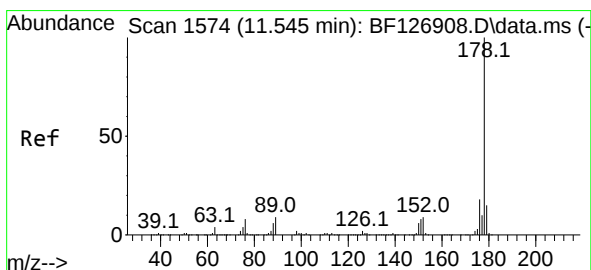
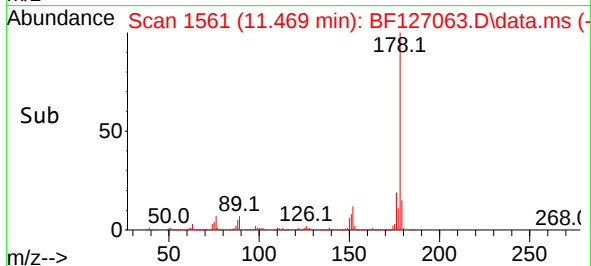
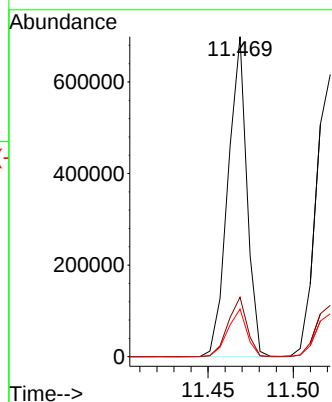
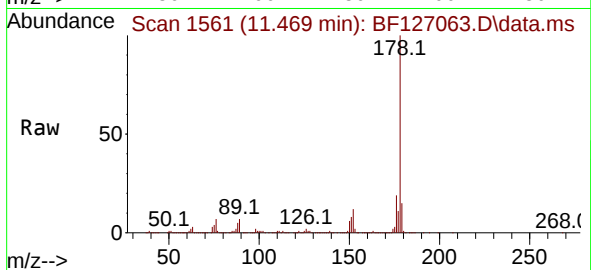
Tgt Ion:178 Resp: 541278

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

179 14.9 12.3 18.5



#72

Anthracene

Concen: 49.512 ng

RT: 11.522 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

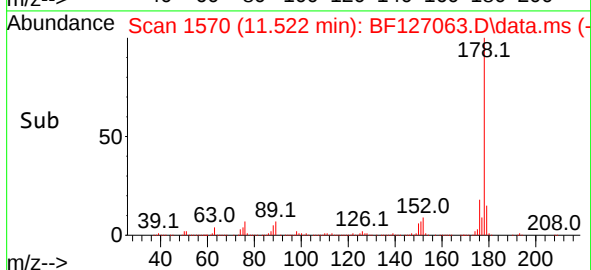
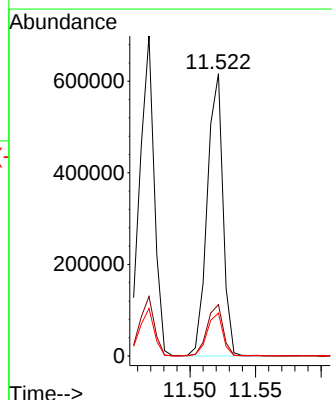
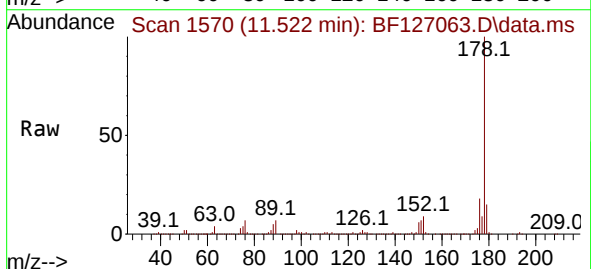
Tgt Ion:178 Resp: 514559

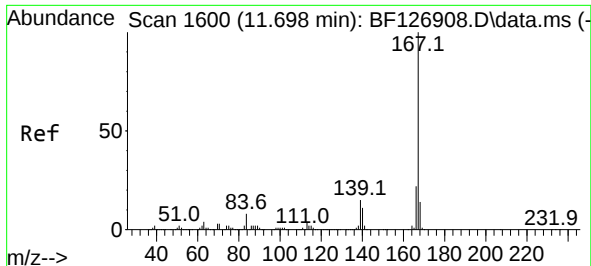
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 15.2 12.5 18.7

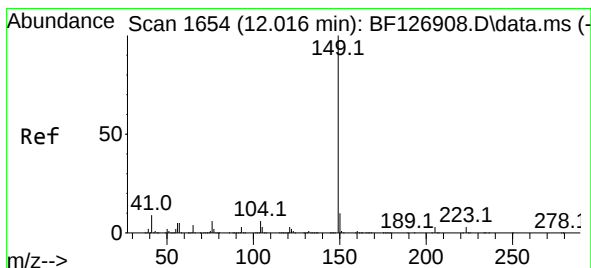
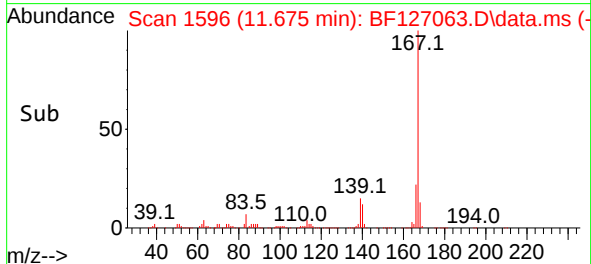
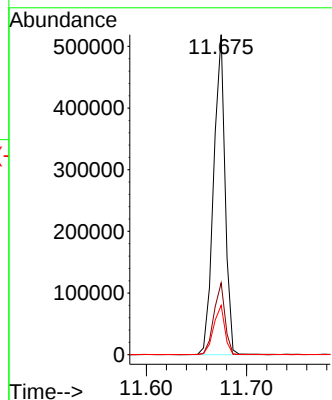
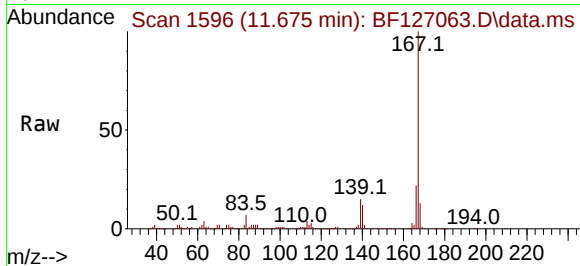




#73
 Carbazole
 Concen: 43.353 ng
 RT: 11.675 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

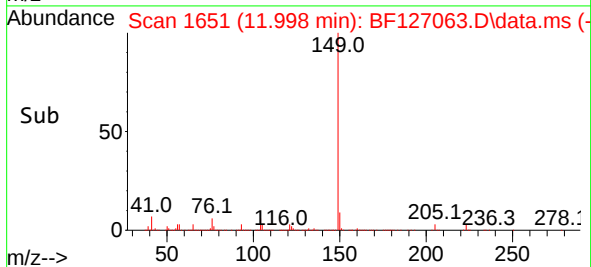
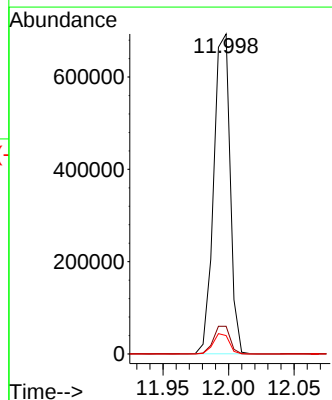
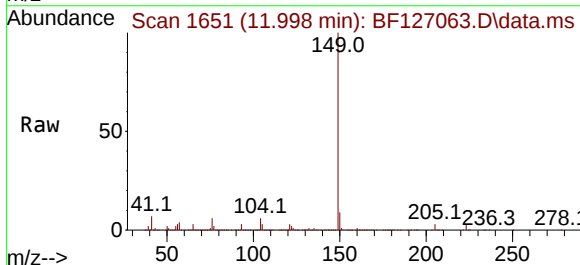
Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)MSD

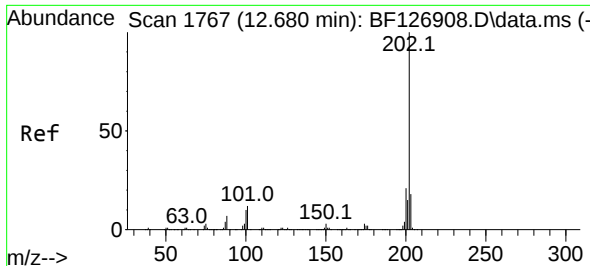
Tgt Ion:167 Resp: 413177
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.9 25.3
 139 15.4 11.3 16.9



#74
 Di-n-butylphthalate
 Concen: 49.148 ng
 RT: 11.998 min Scan# 1651
 Delta R.T. 0.006 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

Tgt Ion:149 Resp: 602175
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.2 10.8
 104 5.7 4.2 6.2

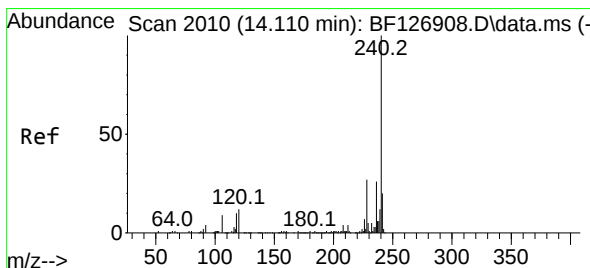
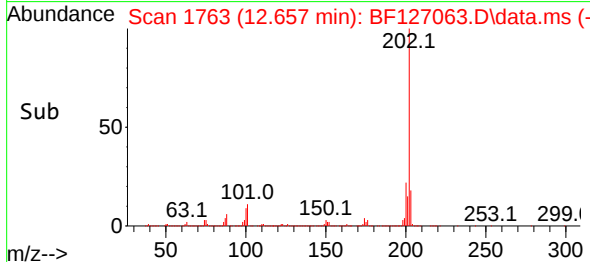
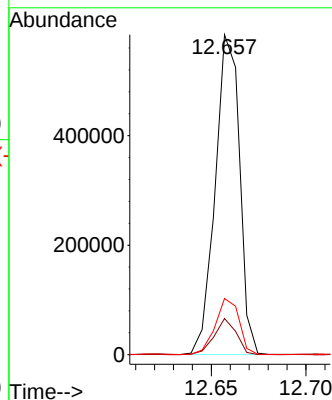
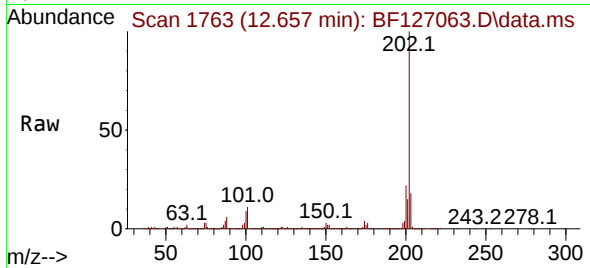




#75
Fluoranthene
Concen: 52.762 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

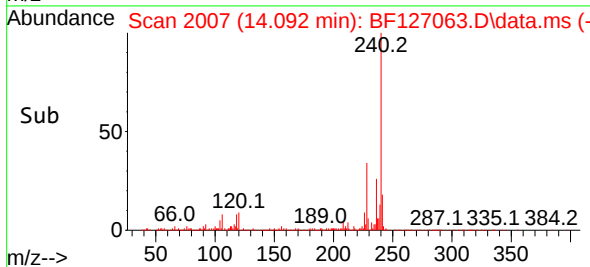
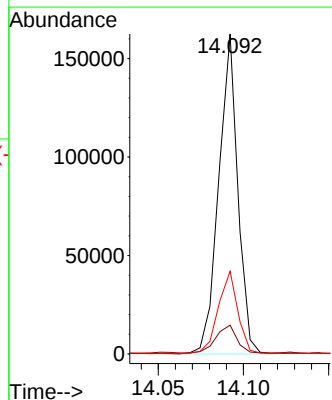
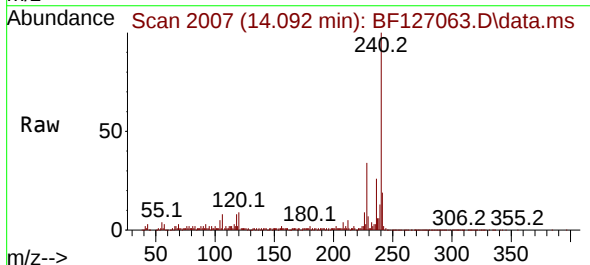
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

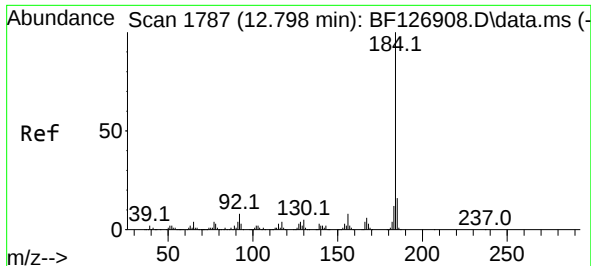
Tgt Ion:202 Resp: 522994
Ion Ratio Lower Upper
202 100
101 11.3 0.0 35.7
203 17.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:240 Resp: 126925
Ion Ratio Lower Upper
240 100
120 9.0 14.4 21.6#
236 25.9 20.5 30.7

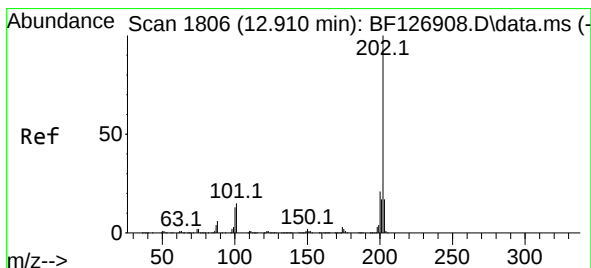
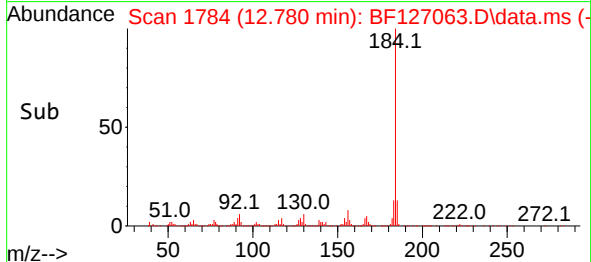
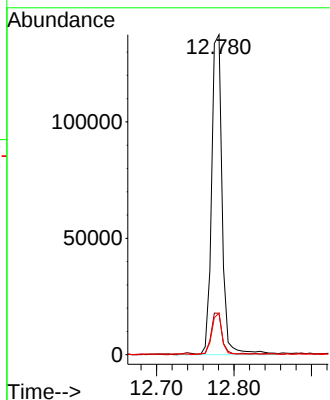
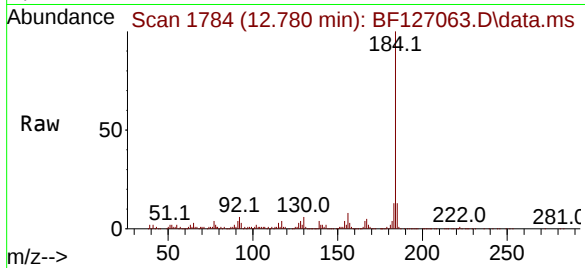




#77
Benzidine
Concen: 37.797 ng
RT: 12.780 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

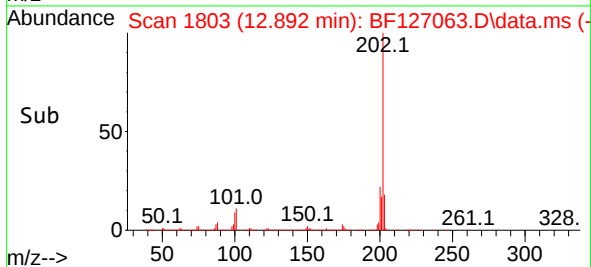
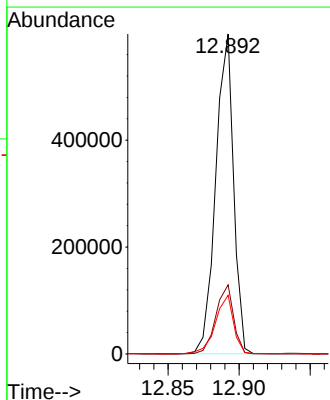
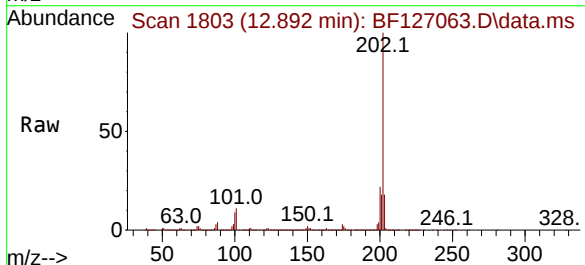
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

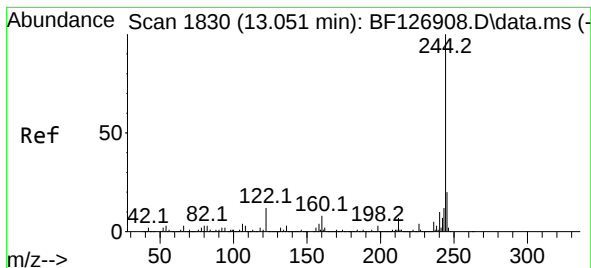
Tgt Ion:184 Resp: 130371
Ion Ratio Lower Upper
184 100
185 13.0 11.8 17.8
183 13.0 8.2 12.2#



#78
Pyrene
Concen: 47.251 ng
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:202 Resp: 521041
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 18.3 13.8 20.8





#79

Terphenyl-d14

Concen: 56.112 ng

RT: 13.027 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

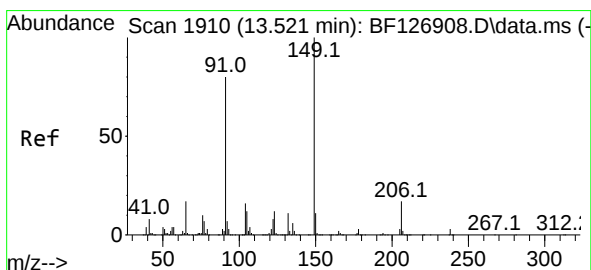
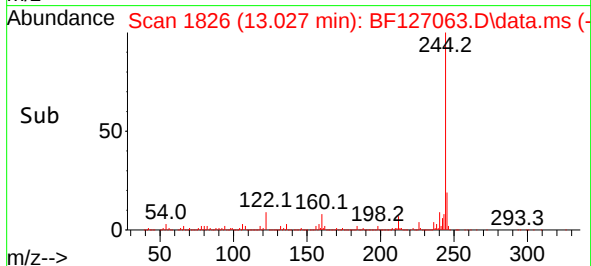
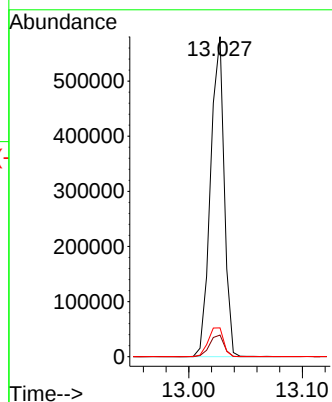
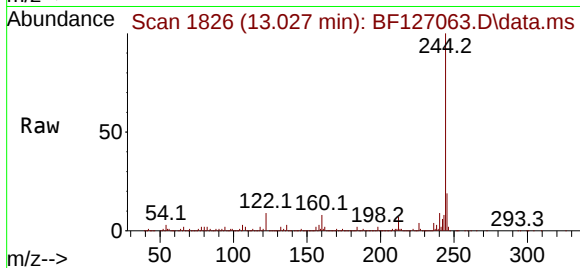
Tgt Ion:244 Resp: 484475

Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

122 9.0 13.3 19.9#



#80

Butylbenzylphthalate

Concen: 42.793 ng

RT: 13.498 min Scan# 1906

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

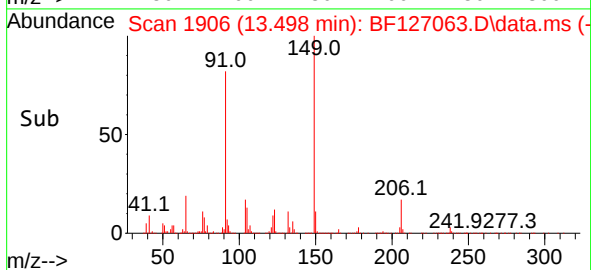
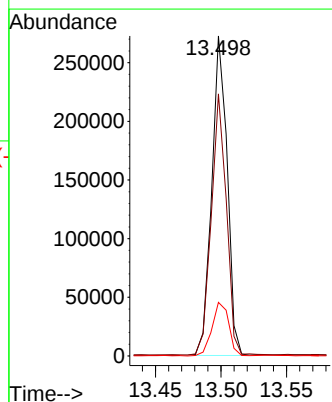
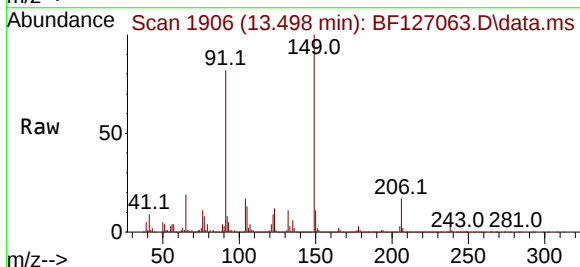
Tgt Ion:149 Resp: 223397

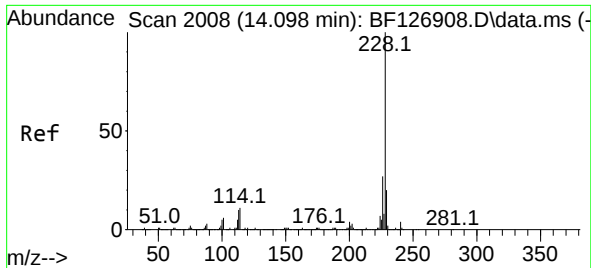
Ion Ratio Lower Upper

149 100

91 81.9 70.5 105.7

206 16.8 12.6 19.0

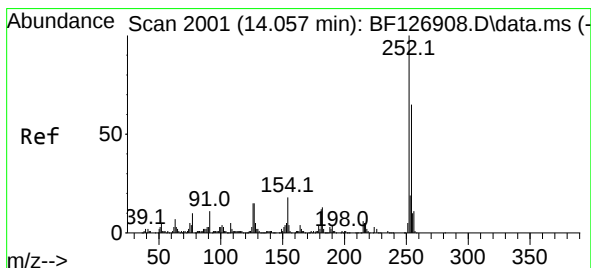
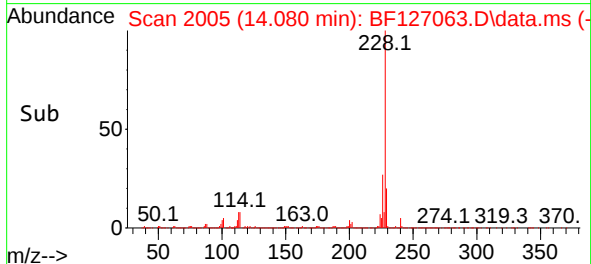
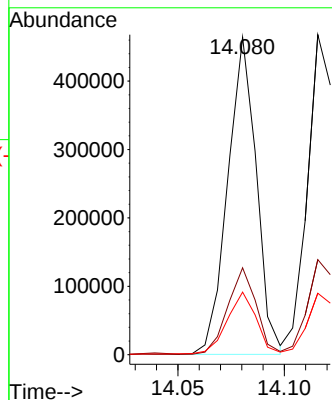
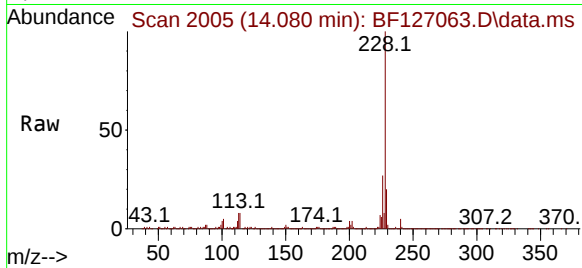




#81
Benzo(a)anthracene
Concen: 50.660 ng
RT: 14.080 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

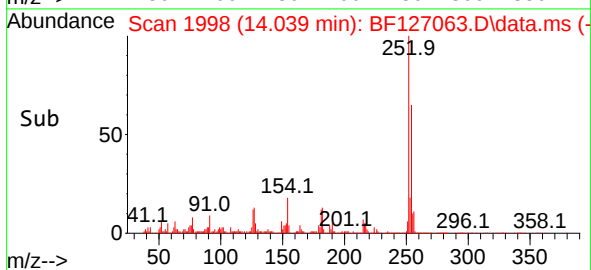
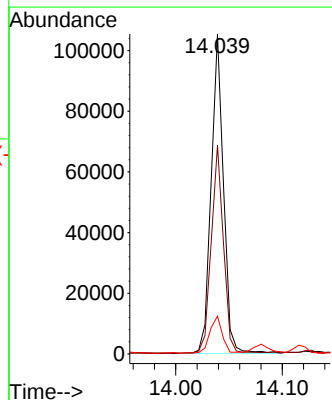
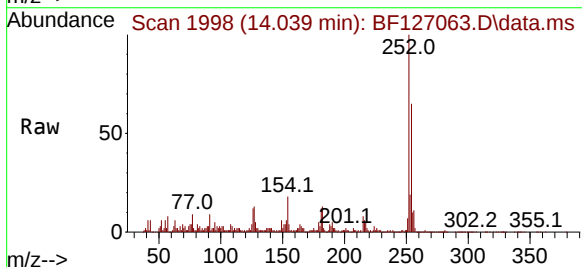
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

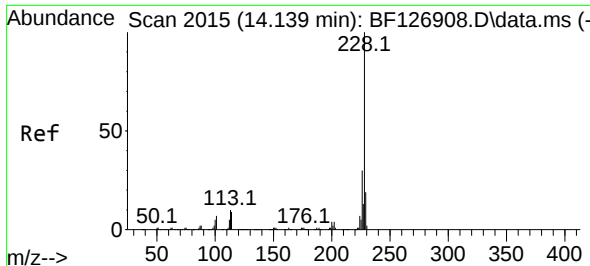
Tgt Ion:228 Resp: 433487
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 19.7 15.4 23.2



#82
3,3'-Dichlorobenzidine
Concen: 31.538 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:252 Resp: 85049
Ion Ratio Lower Upper
252 100
254 65.2 51.0 76.4
126 11.8 13.4 20.0#

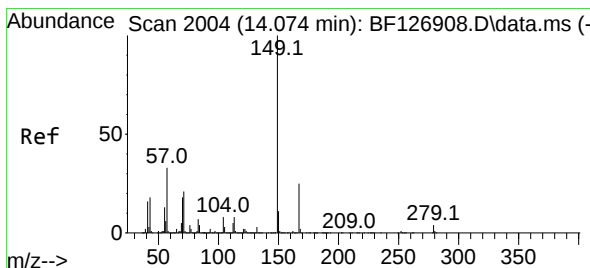
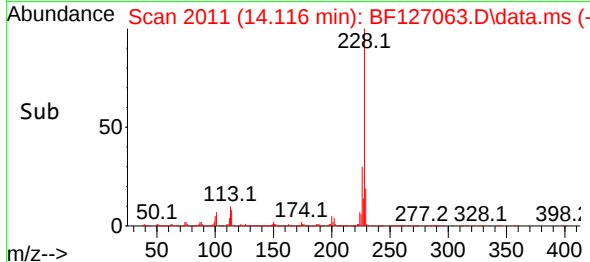
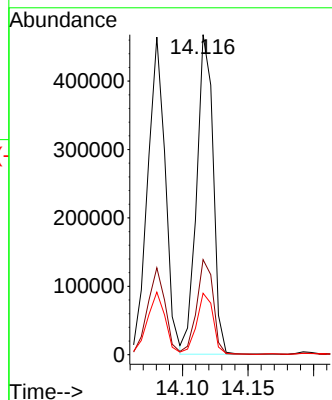
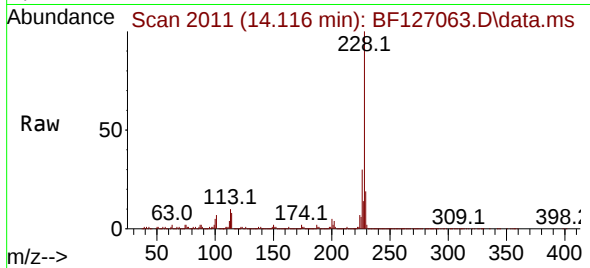




#83
Chrysene
Concen: 50.729 ng
RT: 14.116 min Scan# 201
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

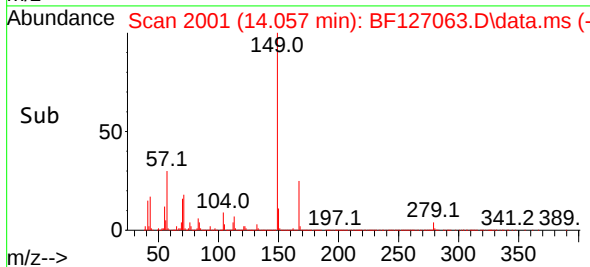
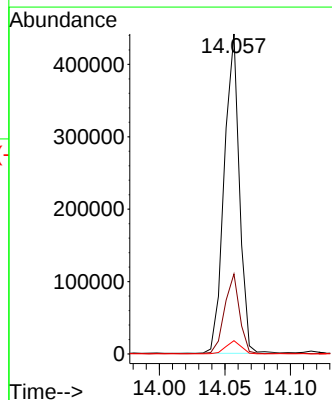
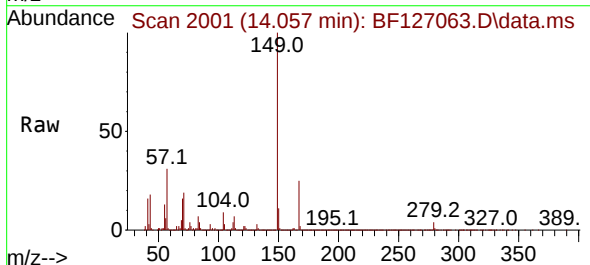
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

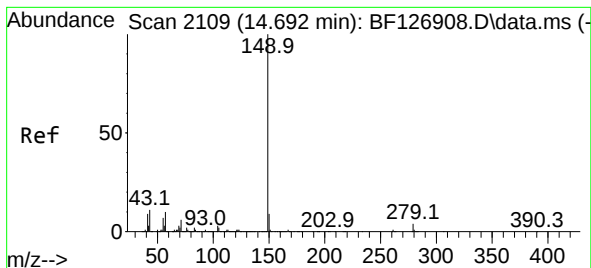
Tgt Ion:228 Resp: 408198
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 19.2 15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.661 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:149 Resp: 354068
Ion Ratio Lower Upper
149 100
167 25.0 21.4 32.2
279 4.1 2.4 3.6#





#85

Di-n-octyl phthalate

Concen: 50.852 ng

RT: 14.674 min Scan# 2106

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

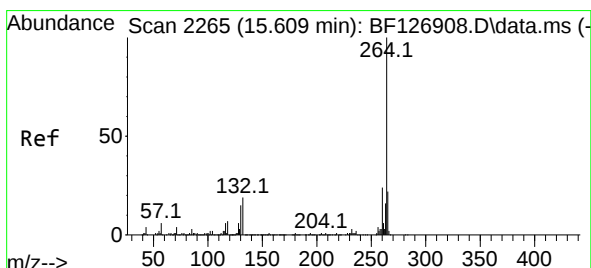
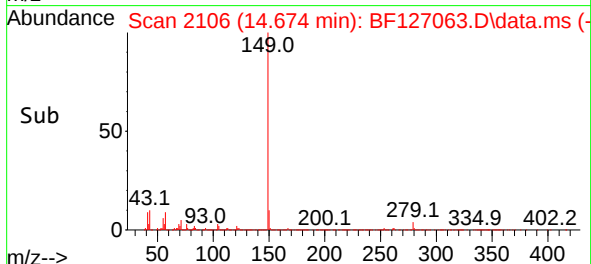
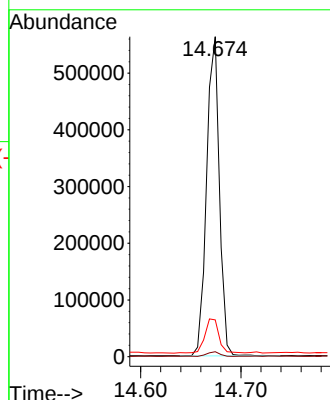
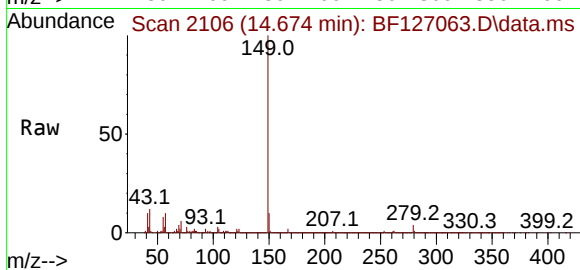
Tgt Ion:149 Resp: 501806

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 11.8 9.9 14.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

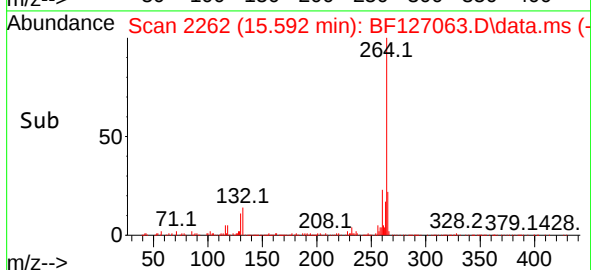
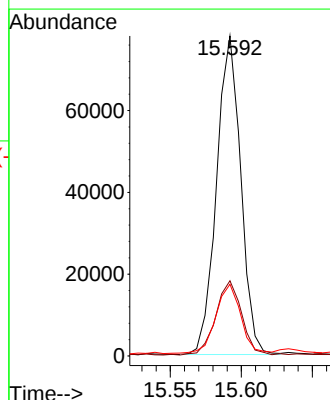
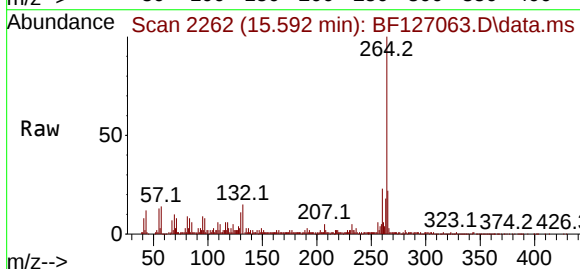
Tgt Ion:264 Resp: 92328

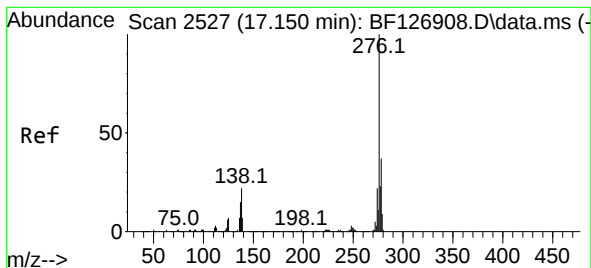
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.918 ng

RT: 17.127 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

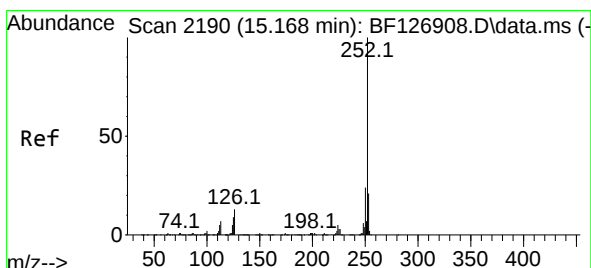
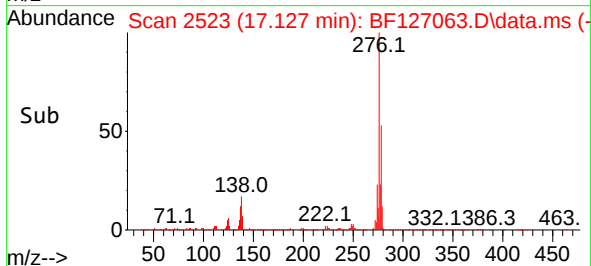
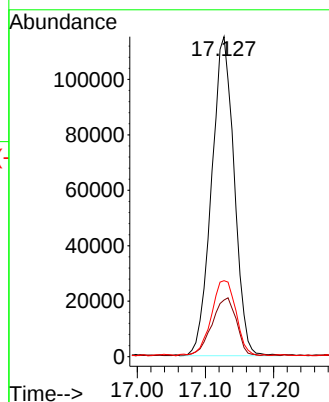
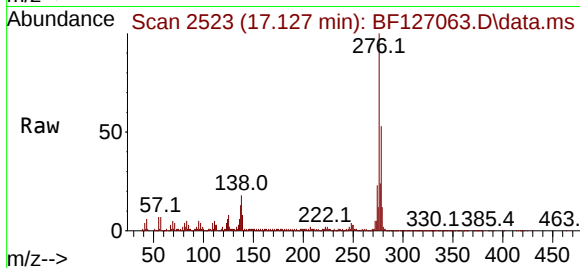
Tgt Ion:276 Resp: 265885

Ion Ratio Lower Upper

276 100

138 19.3 29.2 43.8#

277 25.8 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 56.570 ng

RT: 15.151 min Scan# 2187

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

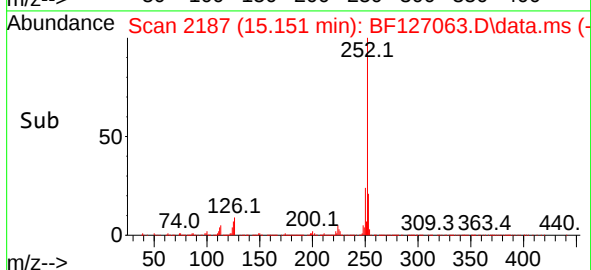
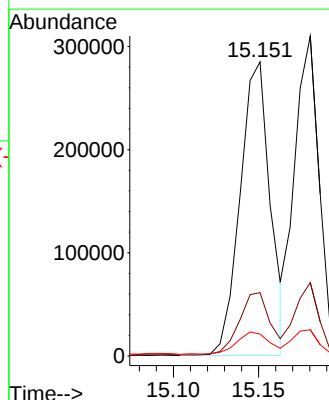
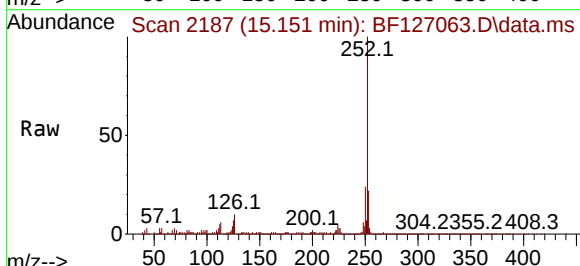
Tgt Ion:252 Resp: 350796

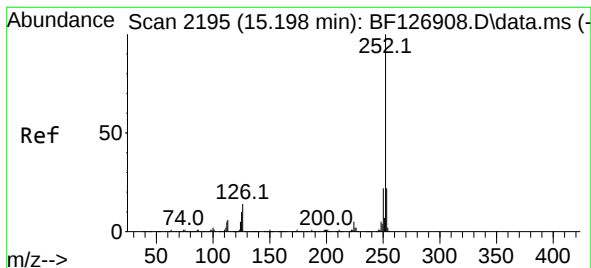
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 7.4 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 51.844 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

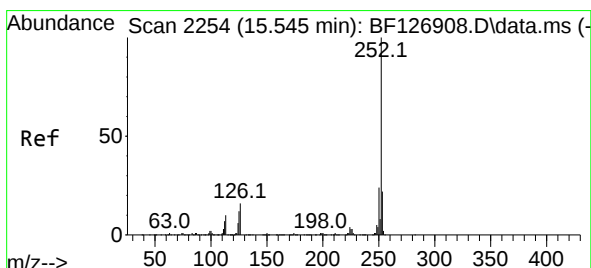
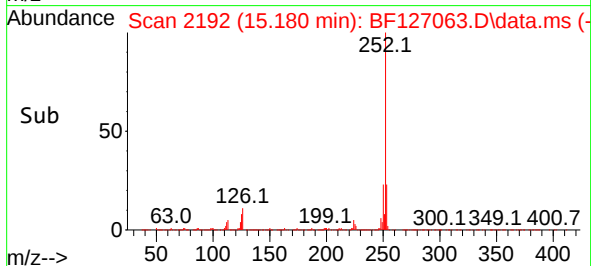
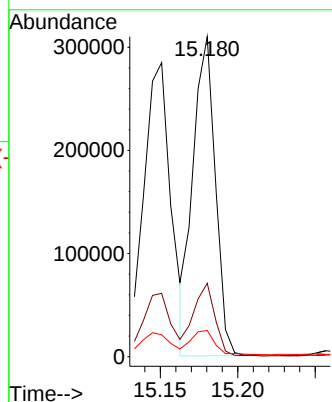
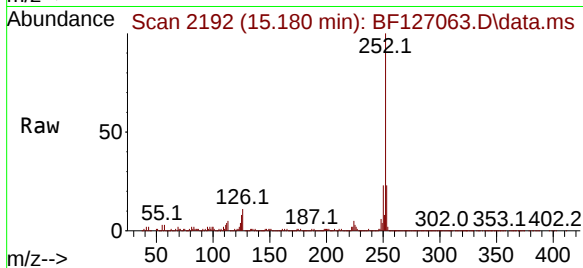
Tgt Ion:252 Resp: 310084

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 8.2 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 60.817 ng

RT: 15.527 min Scan# 2251

Delta R.T. 0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

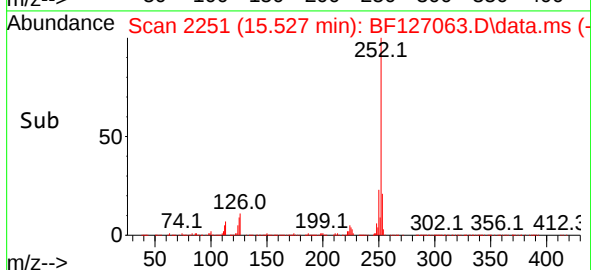
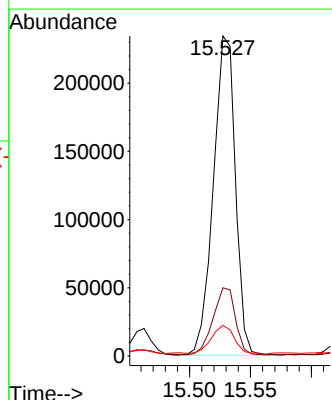
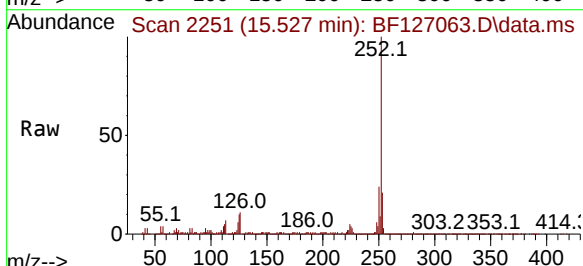
Tgt Ion:252 Resp: 294578

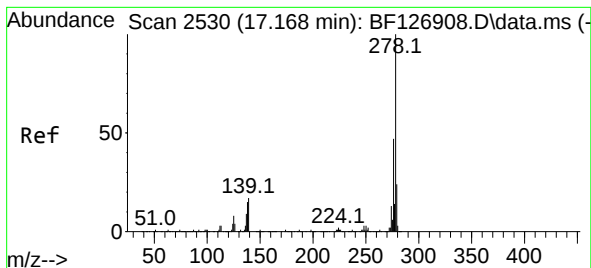
Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

125 9.6 13.0 19.6#





#91

Dibenzo(a,h)anthracene

Concen: 44.279 ng

RT: 17.145 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

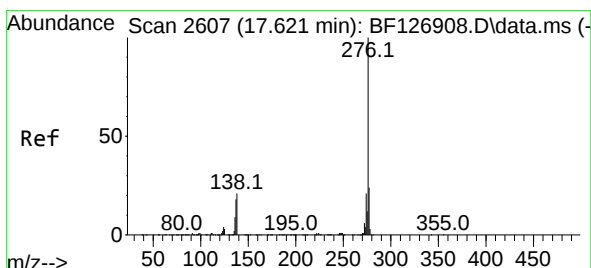
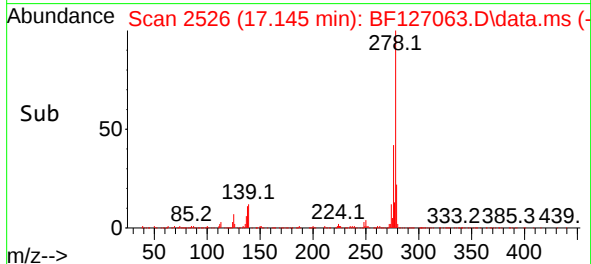
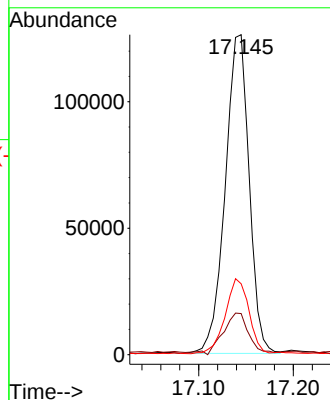
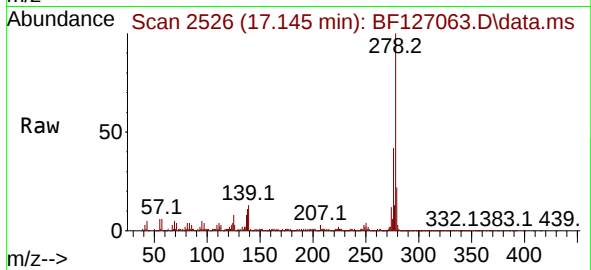
Tgt Ion:278 Resp: 221707

Ion Ratio Lower Upper

278 100

139 12.8 18.0 27.0#

279 22.2 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 44.682 ng

RT: 17.592 min Scan# 2602

Delta R.T. 0.012 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Tgt Ion:276 Resp: 220560

Ion Ratio Lower Upper

276 100

277 24.2 18.5 27.7

138 16.1 25.9 38.9#

