

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130347.D
 Acq On : 20 Sep 2022 16:42
 Operator : CG\JU
 Sample : N4700-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-SOILMSD

Quant Time: Sep 21 05:15:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	89577	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	331680	20.000	ng	# 0.00
39) Acenaphthene-d10	9.692	164	155247	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	223238	20.000	ng	0.00
76) Chrysene-d12	13.804	240	167207	20.000	ng	0.00
86) Perylene-d12	15.198	264	198240	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	587825	113.820	ng	0.01
7) Phenol-d6	6.310	99	702539	108.718	ng	0.01
23) Nitrobenzene-d5	7.228	82	450826	69.440	ng	0.00
42) 2,4,6-Tribromophenol	10.480	330	173904	116.905	ng	0.00
45) 2-Fluorobiphenyl	9.022	172	796437	74.704	ng	0.00
79) Terphenyl-d14	12.757	244	579715	57.431	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.334	88	86728	36.565	ng	97
3) Pyridine	3.022	79	167056	27.000	ng	93
4) n-Nitrosodimethylamine	2.969	42	125497	37.293	ng	94
6) Aniline	6.345	93	59333	7.452	ng	# 90
8) 2-Chlorophenol	6.445	128	263270	44.750	ng	96
9) Benzaldehyde	6.210	77	153266	35.408	ng	91
10) Phenol	6.322	94	300569	39.690	ng	94
11) bis(2-Chloroethyl)ether	6.404	93	266921	48.867	ng	89
12) 1,3-Dichlorobenzene	6.598	146	294932	45.561	ng	98
13) 1,4-Dichlorobenzene	6.675	146	296452	44.908	ng	98
14) 1,2-Dichlorobenzene	6.828	146	280716	45.522	ng	97
15) Benzyl Alcohol	6.810	79	188116	36.716	ng	96
16) 2,2'-oxybis(1-Chloropr...	6.945	45	312307	39.202	ng	92
17) 2-Methylphenol	6.928	107	199959	41.811	ng	98
18) Hexachloroethane	7.169	117	116248	44.675	ng	98
19) n-Nitroso-di-n-propyla...	7.081	70	177467	40.699	ng	96
20) 3+4-Methylphenols	7.081	107	250731	40.358	ng	# 70
22) Acetophenone	7.075	105	370705	45.715	ng	# 89
24) Nitrobenzene	7.245	77	270603	41.049	ng	97
25) Isophorone	7.487	82	468143	44.739	ng	98
26) 2-Nitrophenol	7.563	139	136307	50.440	ng	92
27) 2,4-Dimethylphenol	7.610	122	221879	53.324	ng	95
28) bis(2-Chloroethoxy)met...	7.704	93	289421	49.120	ng	98
29) 2,4-Dichlorophenol	7.810	162	203689	44.671	ng	96
30) 1,2,4-Trichlorobenzene	7.886	180	223169	45.270	ng	95
31) Naphthalene	7.963	128	733685	42.936	ng	100
32) Benzoic acid	7.739	122	138538	43.054	ng	94
33) 4-Chloroaniline	8.069	127	124497	19.156	ng	98
34) Hexachlorobutadiene	8.081	225	145487	46.178	ng	99
35) Caprolactam	8.392	113	43523	33.295	ng	# 77
36) 4-Chloro-3-methylphenol	8.510	107	213311	42.206	ng	98
37) 2-Methylnaphthalene	8.657	142	465377	42.715	ng	98
38) 1-Methylnaphthalene	8.751	142	439123	41.956	ng	99
40) 1,2,4,5-Tetrachloroben...	8.822	216	214011	50.513	ng	99
41) Hexachlorocyclopentadiene	8.810	237	265131	116.884	ng	99
43) 2,4,6-Trichlorophenol	8.933	196	132782	44.906	ng	95

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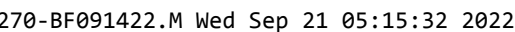
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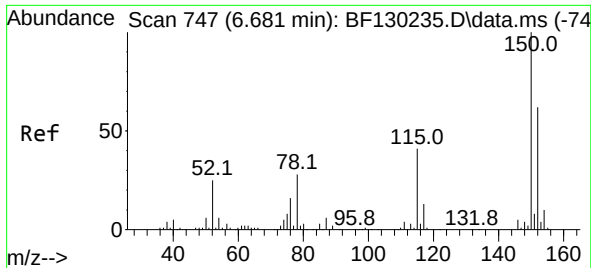
Quant Time: Sep 21 05:15:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	8.981	196	141354	44.301	ng	97
46) 1,1'-Biphenyl	9.122	154	562479	48.512	ng	97
47) 2-Chloronaphthalene	9.139	162	429700	45.814	ng	99
48) 2-Nitroaniline	9.245	65	125423	40.093	ng	91
49) Acenaphthylene	9.557	152	642137	45.662	ng	100
50) Dimethylphthalate	9.428	163	483570	45.093	ng	99
51) 2,6-Dinitrotoluene	9.486	165	102599	45.747	ng	# 83
52) Acenaphthene	9.728	154	369629	40.005	ng	99
53) 3-Nitroaniline	9.657	138	86373	34.562	ng	97
54) 2,4-Dinitrophenol	9.763	184	107376	87.612	ng	# 80
55) Dibenzofuran	9.898	168	556728	43.319	ng	99
56) 4-Nitrophenol	9.828	139	144708	79.501	ng	89
57) 2,4-Dinitrotoluene	9.886	165	128434	44.809	ng	88
58) Fluorene	10.239	166	436618	41.542	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.022	232	101850	40.781	ng	95
60) Diethylphthalate	10.122	149	460920	42.861	ng	100
61) 4-Chlorophenyl-phenyle...	10.233	204	206081	44.696	ng	96
62) 4-Nitroaniline	10.263	138	93082	37.077	ng	95
63) Azobenzene	10.392	77	421094	38.028	ng	99
65) 4,6-Dinitro-2-methylph...	10.286	198	62297	50.131	ng	97
66) n-Nitrosodiphenylamine	10.357	169	362084	48.537	ng	100
67) 4-Bromophenyl-phenylether	10.722	248	122369	49.690	ng	98
68) Hexachlorobenzene	10.780	284	134003	48.002	ng	95
69) Atrazine	10.886	200	105029	48.177	ng	96
70) Pentachlorophenol	10.980	266	132994	88.768	ng	98
71) Phenanthrene	11.198	178	624589	49.834	ng	100
72) Anthracene	11.251	178	558322	46.161	ng	99
73) Carbazole	11.410	167	481099	44.074	ng	99
74) Di-n-butylphthalate	11.745	149	613067	46.575	ng	99
75) Fluoranthene	12.380	202	648568	53.552	ng	98
77) Benzidine	12.521	184	17360	3.577	ng	96
78) Pyrene	12.610	202	661647	45.234	ng	99
80) Butylbenzylphthalate	13.239	149	223254	41.200	ng	93
81) Benzo(a)anthracene	13.792	228	590412	53.078	ng	99
82) 3,3'-Dichlorobenzidine	13.763	252	164214	54.233	ng	100
83) Chrysene	13.833	228	555222	52.569	ng	99
84) Bis(2-ethylhexyl)phtha...	13.798	149	312306	50.316	ng	# 98
85) Di-n-octyl phthalate	14.410	149	542781	57.174	ng	97
87) Indeno(1,2,3-cd)pyrene	16.527	276	709567	50.474	ng	98
88) Benzo(b)fluoranthene	14.810	252	725710	56.087	ng	99
89) Benzo(k)fluoranthene	14.833	252	577317	45.358	ng	99
90) Benzo(a)pyrene	15.080	252	73495	7.170	ng	98
91) Dibenzo(a,h)anthracene	16.545	278	575306	49.885	ng	99
92) Benzo(g,h,i)perylene	16.933	276	595734	51.280	ng	100

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

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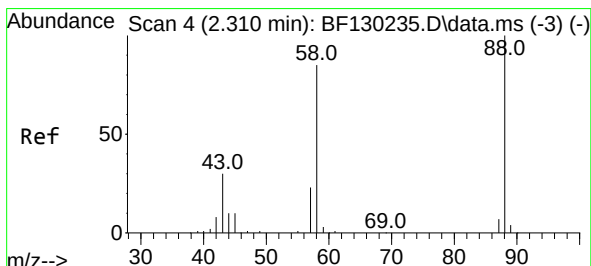
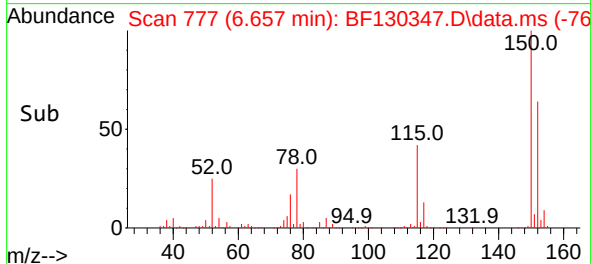
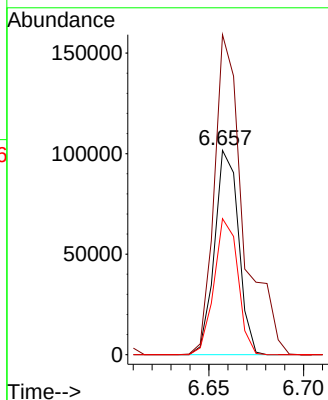
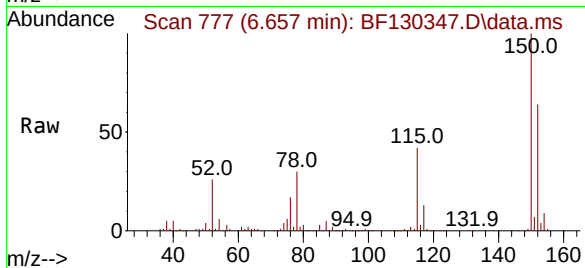




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.657 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

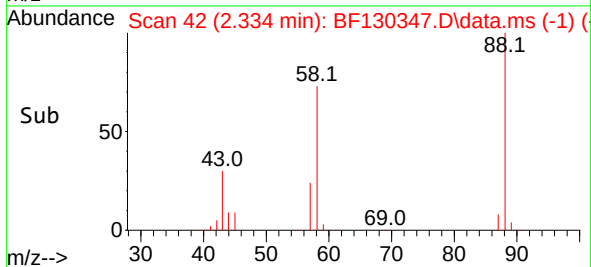
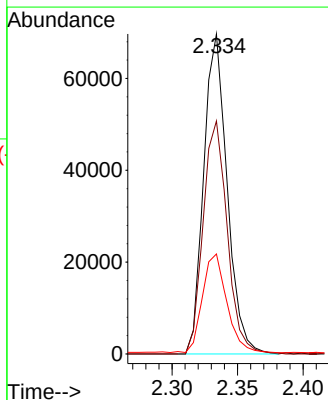
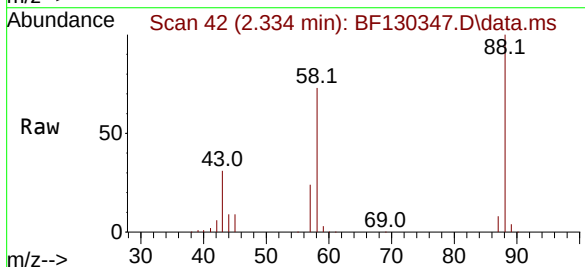
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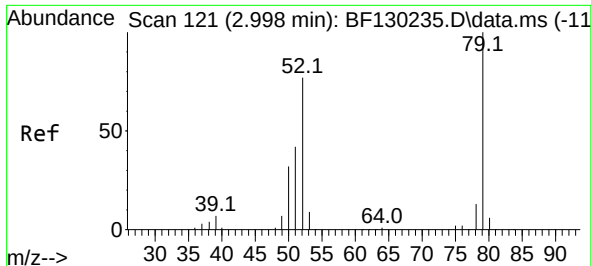
Tgt Ion:152 Resp: 89577
 Ion Ratio Lower Upper
 152 100
 150 156.6 122.8 184.2
 115 66.5 53.8 80.8



#2
 1,4-Dioxane
 Concen: 36.565 ng
 RT: 2.334 min Scan# 42
 Delta R.T. 0.047 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

Tgt Ion: 88 Resp: 86728
 Ion Ratio Lower Upper
 88 100
 58 74.8 61.3 91.9
 43 32.0 23.0 34.6





#3

Pyridine

Concen: 27.000 ng

RT: 3.022 min Scan# 1

Delta R.T. 0.053 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

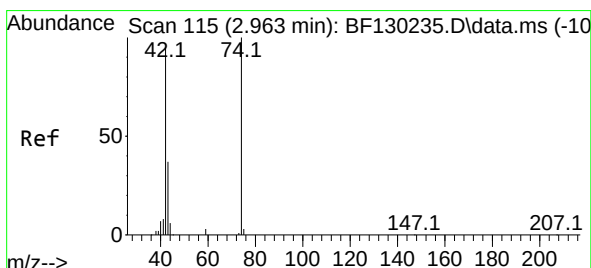
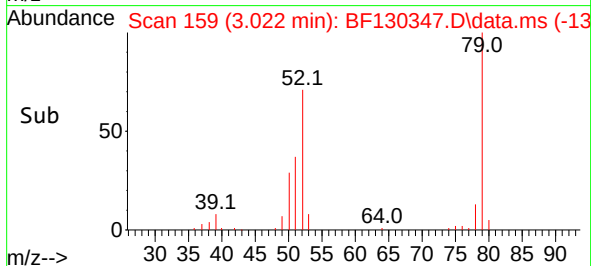
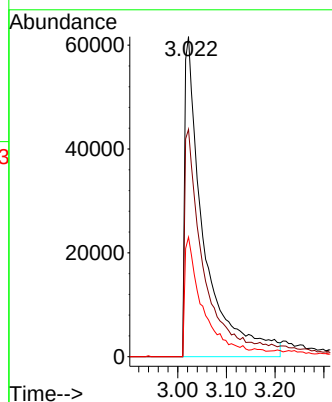
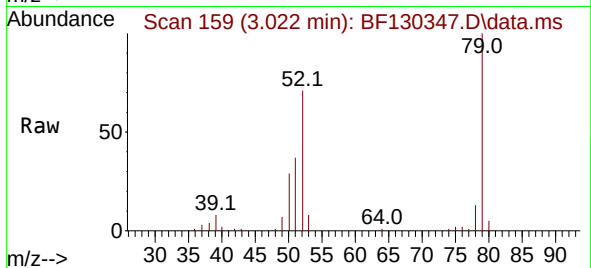
Tgt Ion: 79 Resp: 167056

Ion Ratio Lower Upper

79 100

52 71.0 62.4 93.6

51 37.4 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 37.293 ng

RT: 2.969 min Scan# 150

Delta R.T. 0.029 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

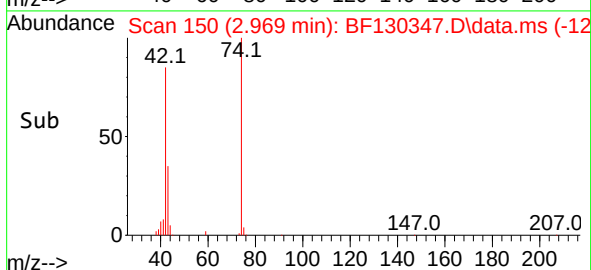
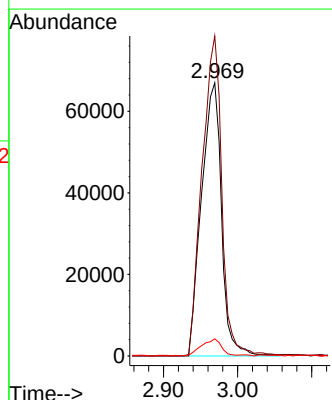
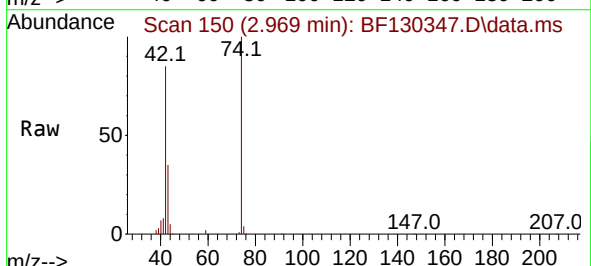
Tgt Ion: 42 Resp: 125497

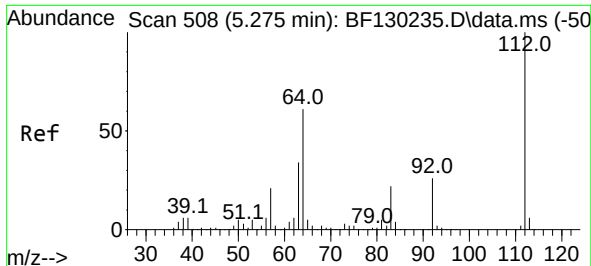
Ion Ratio Lower Upper

42 100

74 117.1 88.4 132.6

44 6.3 5.0 7.4

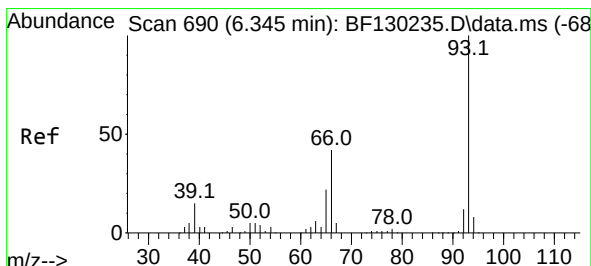
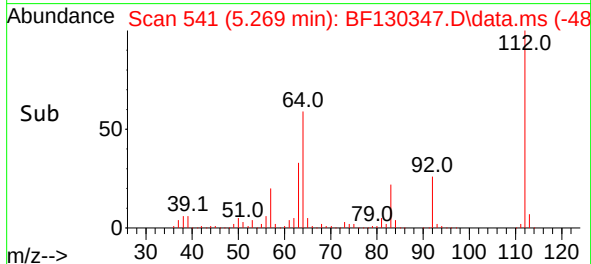
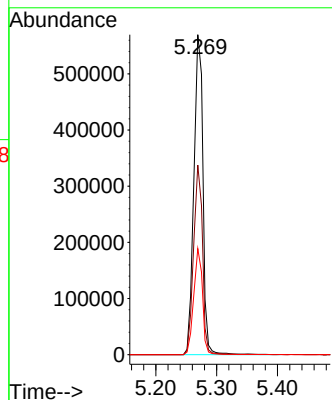
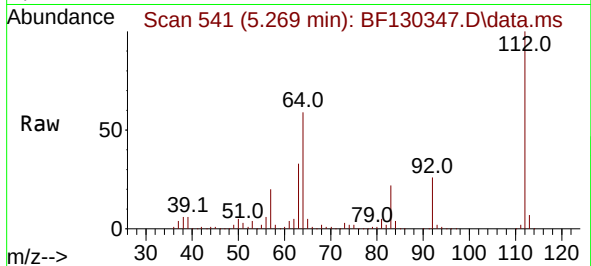




#5
2-Fluorophenol
Concen: 113.820 ng
RT: 5.269 min Scan# 541
Delta R.T. 0.012 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

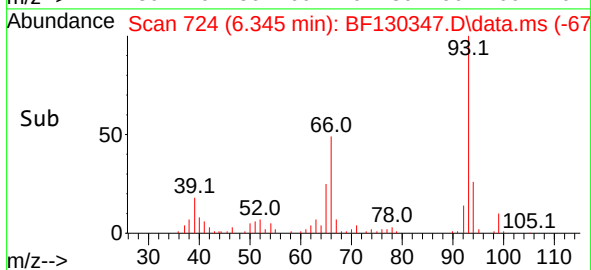
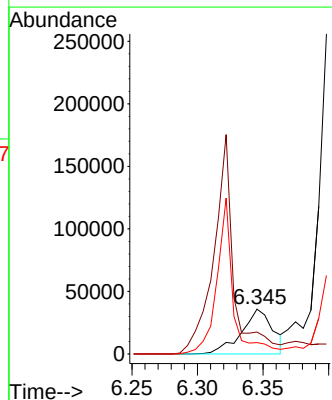
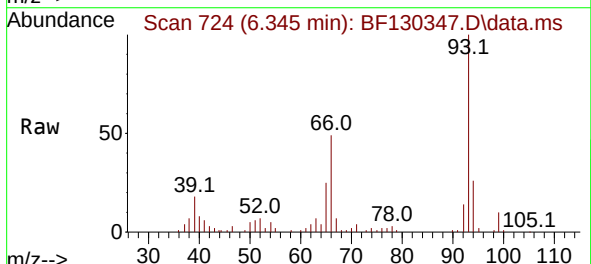
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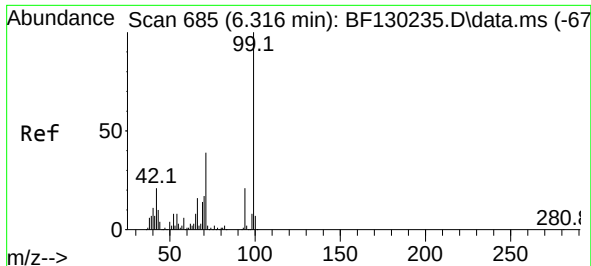
Tgt Ion:112 Resp: 587825
Ion Ratio Lower Upper
112 100
64 59.3 51.4 77.0
63 33.2 28.8 43.2



#6
Aniline
Concen: 7.452 ng
RT: 6.345 min Scan# 724
Delta R.T. 0.018 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion: 93 Resp: 59333
Ion Ratio Lower Upper
93 100
66 49.0 34.2 51.4
65 25.3 16.6 24.8#

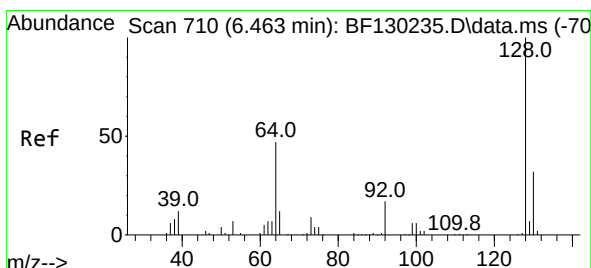
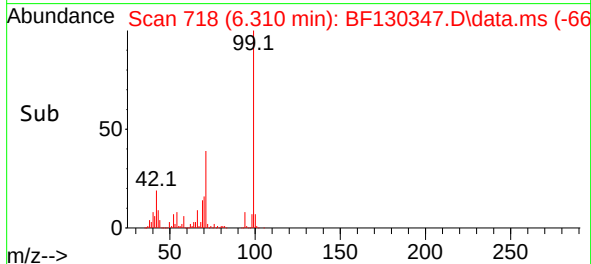
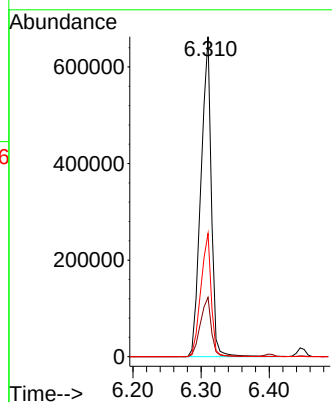
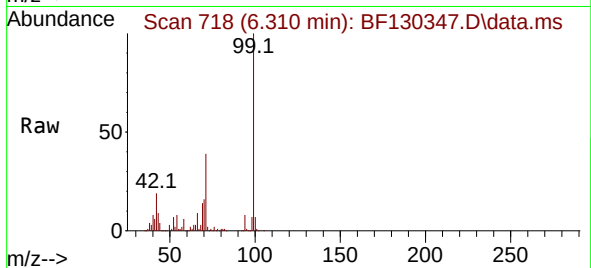




#7
Phenol-d6
Concen: 108.718 ng
RT: 6.310 min Scan# 718
Delta R.T. 0.012 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

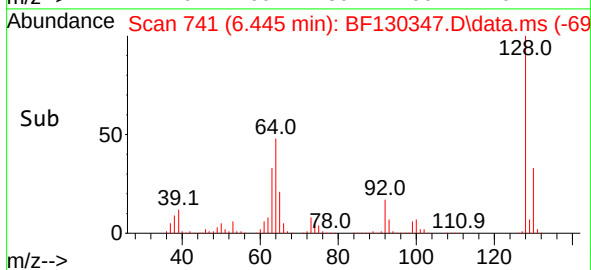
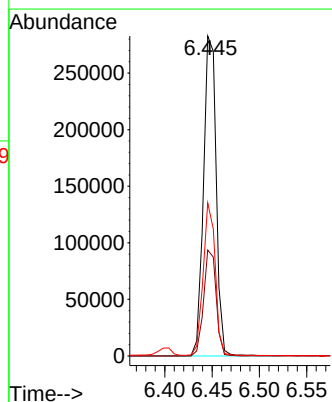
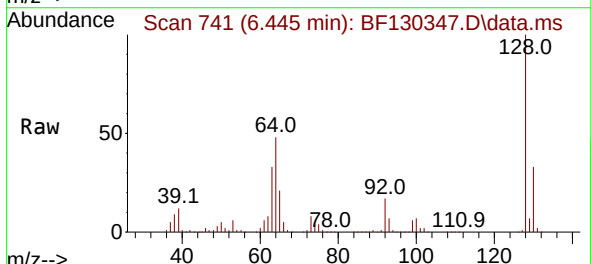
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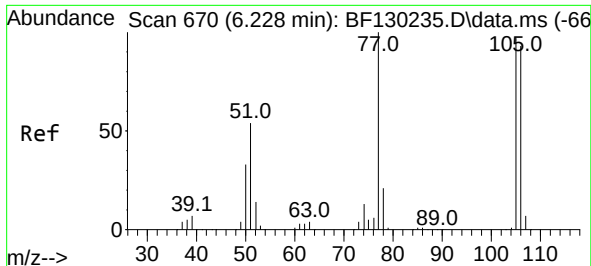
Tgt Ion: 99 Resp: 702539
Ion Ratio Lower Upper
99 100
42 18.6 17.0 25.6
71 38.5 32.3 48.5



#8
2-Chlorophenol
Concen: 44.750 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:128 Resp: 263270
Ion Ratio Lower Upper
128 100
130 33.1 12.4 52.4
64 47.8 31.6 71.6

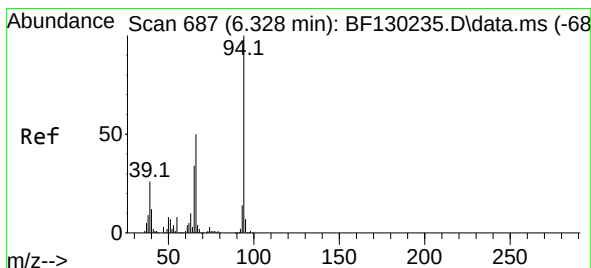
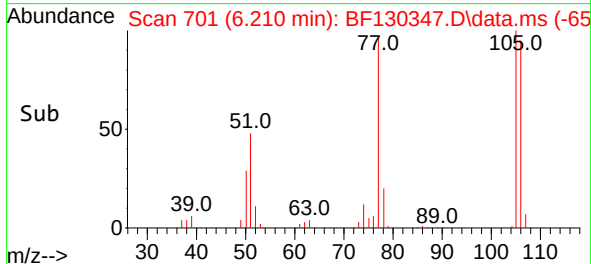
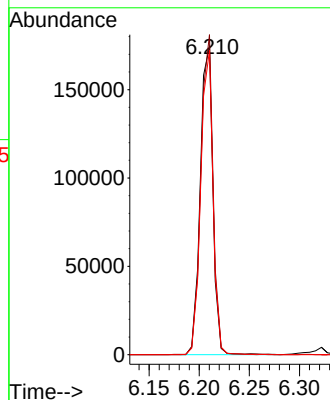
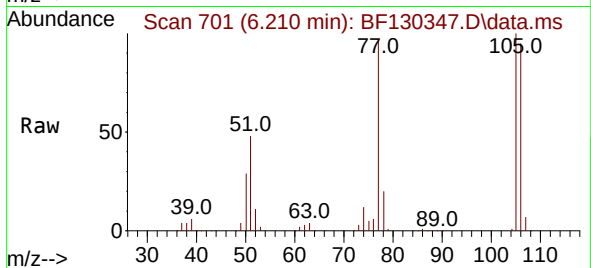




#9
Benzaldehyde
Concen: 35.408 ng
RT: 6.210 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

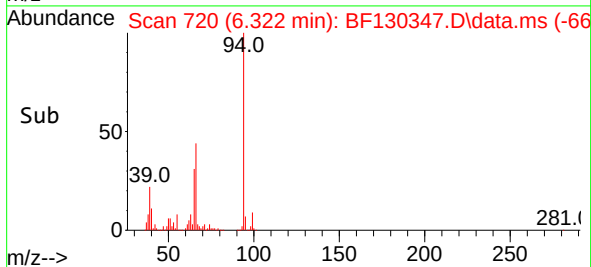
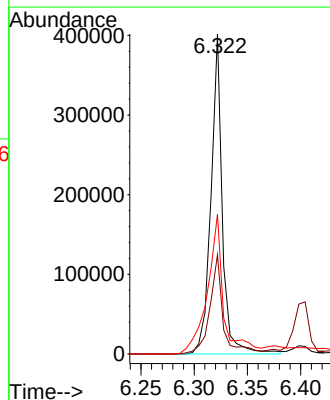
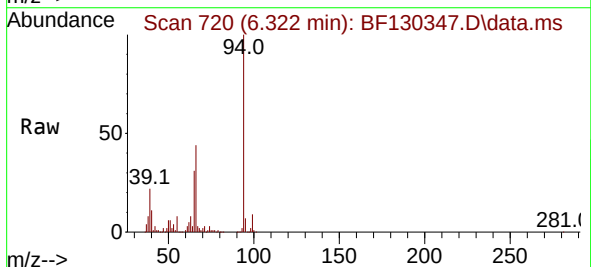
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

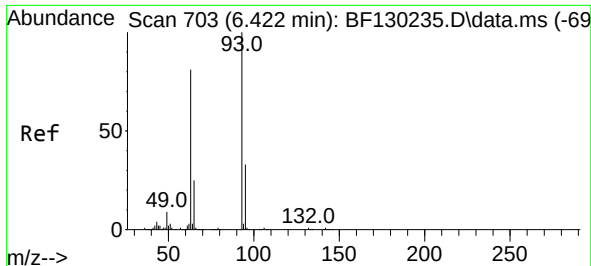
Tgt Ion: 77 Resp: 153266
Ion Ratio Lower Upper
77 100
105 103.9 75.1 115.1
106 98.8 69.7 109.7



#10
Phenol
Concen: 39.690 ng
RT: 6.322 min Scan# 720
Delta R.T. 0.006 min
Lab File: BF130347.D
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Tgt Ion: 94 Resp: 300569
Ion Ratio Lower Upper
94 100
65 31.0 14.1 54.1
66 43.7 28.1 68.1

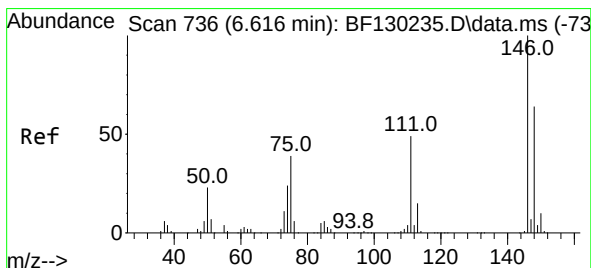
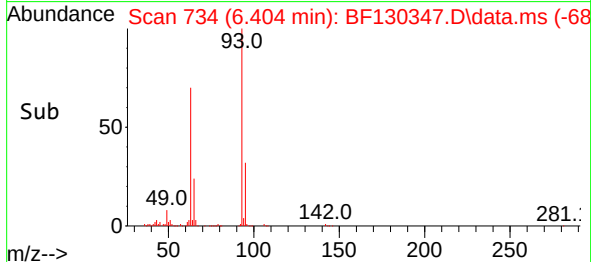
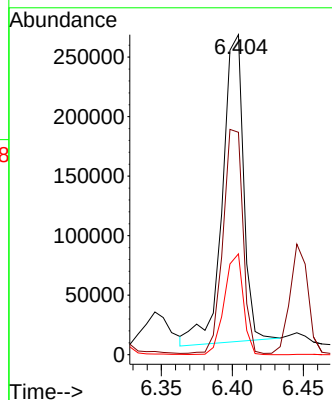
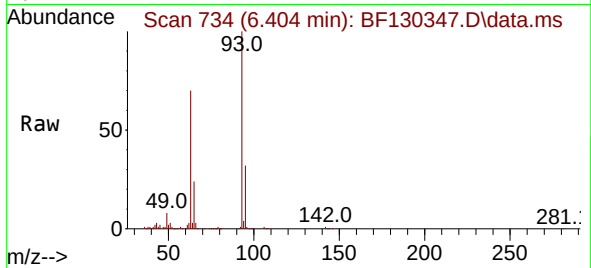




#11
bis(2-Chloroethyl)ether
Concen: 48.867 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

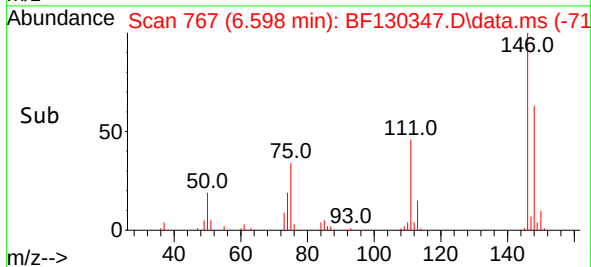
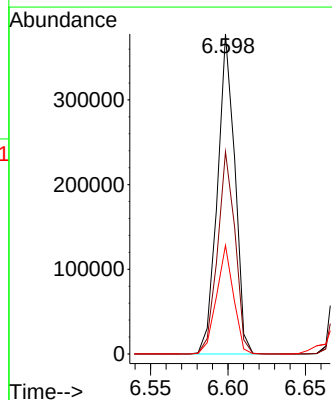
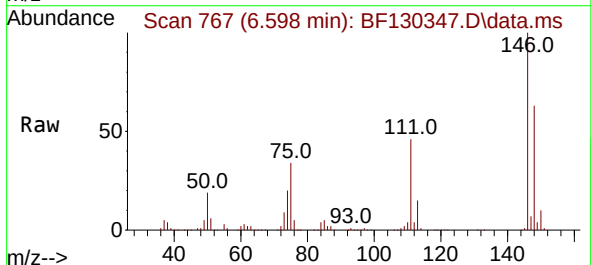
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

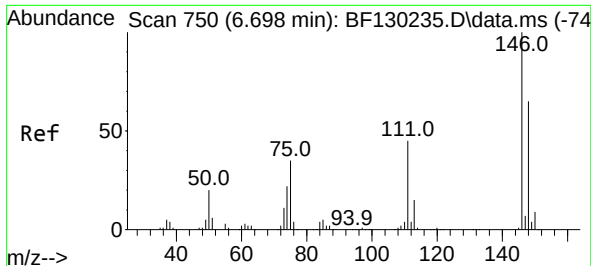
Tgt Ion: 93 Resp: 266921
Ion Ratio Lower Upper
93 100
63 69.5 62.5 102.5
95 31.5 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 45.561 ng
RT: 6.598 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:146 Resp: 294932
Ion Ratio Lower Upper
146 100
148 63.2 51.4 77.2
75 34.0 28.8 43.2





#13

1,4-Dichlorobenzene

Concen: 44.908 ng

RT: 6.675 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

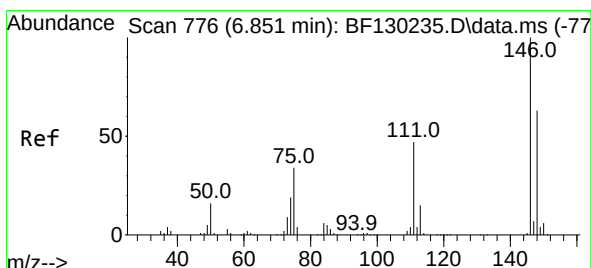
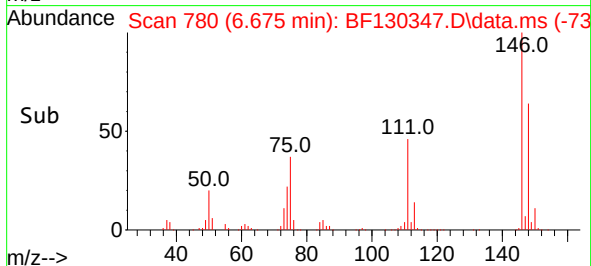
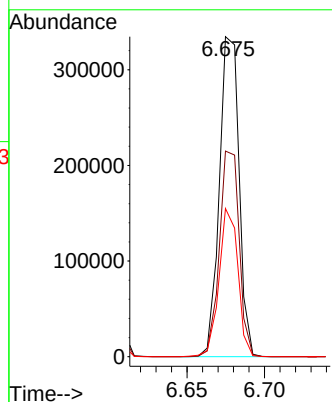
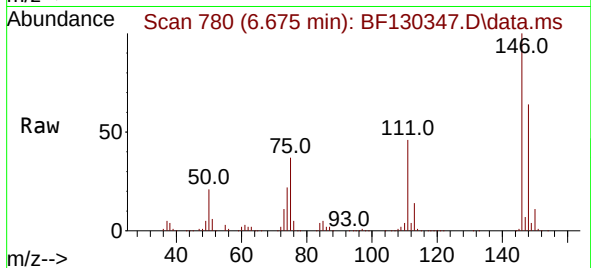
Tgt Ion:146 Resp: 296452

Ion Ratio Lower Upper

146 100

148 64.2 50.3 75.5

111 46.3 36.3 54.5



#14

1,2-Dichlorobenzene

Concen: 45.522 ng

RT: 6.828 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

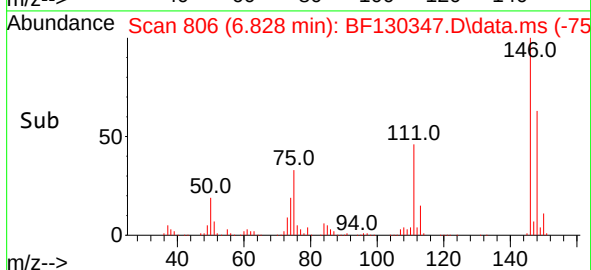
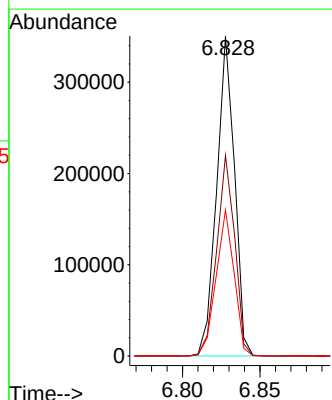
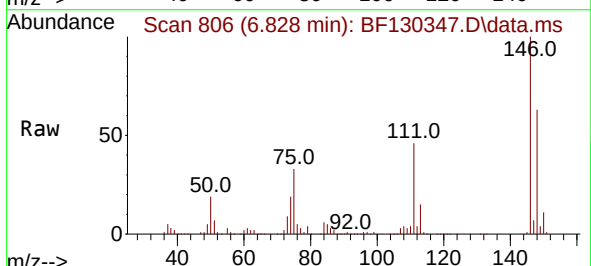
Tgt Ion:146 Resp: 280716

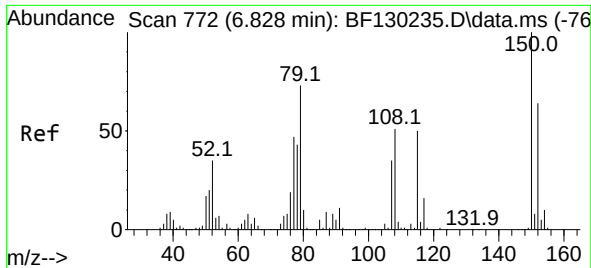
Ion Ratio Lower Upper

146 100

148 62.7 51.6 77.4

111 45.6 39.2 58.8

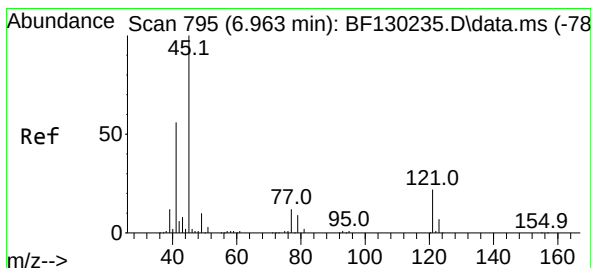
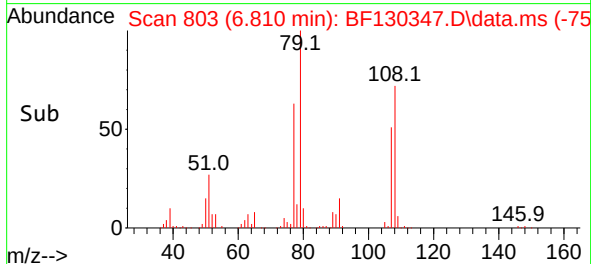
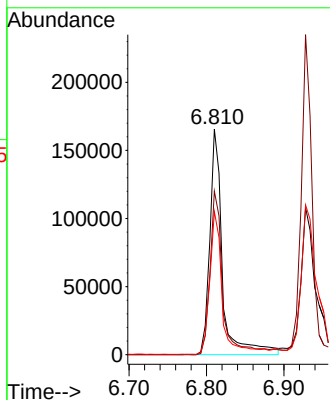
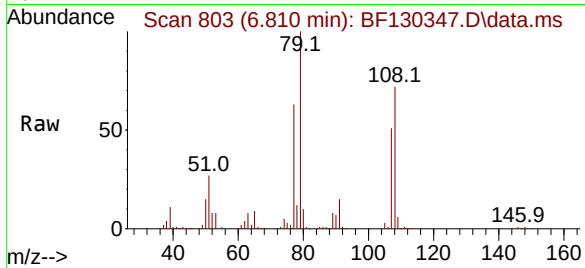




#15
Benzyl Alcohol
Concen: 36.716 ng
RT: 6.810 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

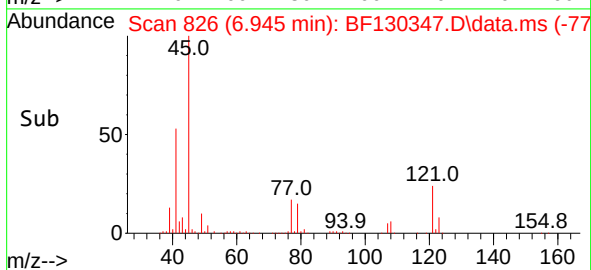
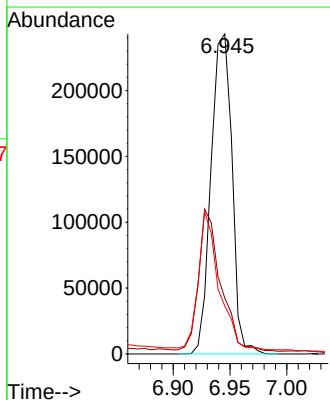
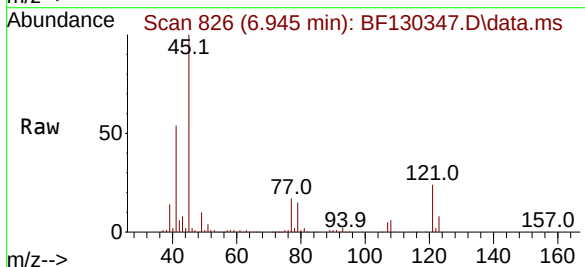
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

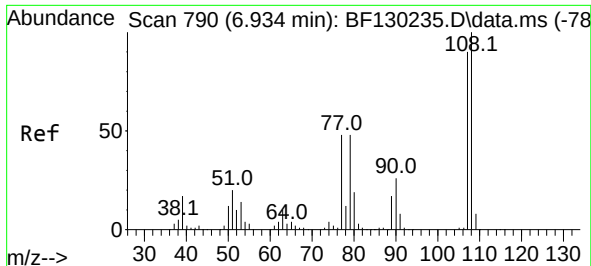
Tgt Ion: 79 Resp: 188116
Ion Ratio Lower Upper
79 100
108 72.5 54.0 81.0
77 63.4 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.202 ng
RT: 6.945 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion: 45 Resp: 312307
Ion Ratio Lower Upper
45 100
77 17.5 0.0 34.9
79 14.9 0.0 31.0

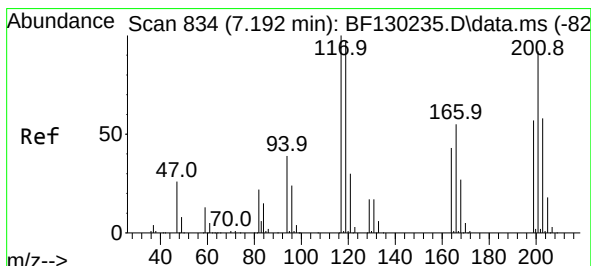
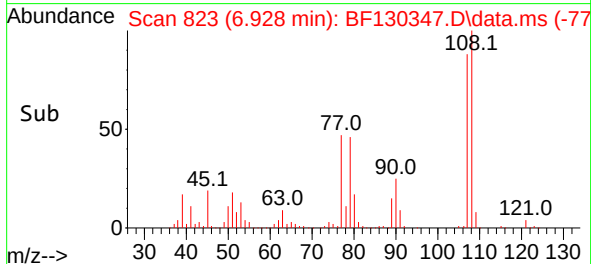
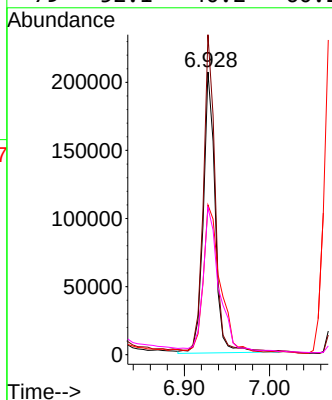
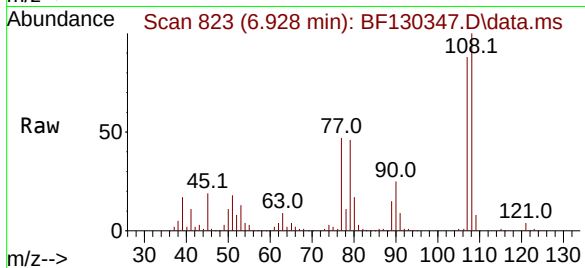




#17
2-Methylphenol
Concen: 41.811 ng
RT: 6.928 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

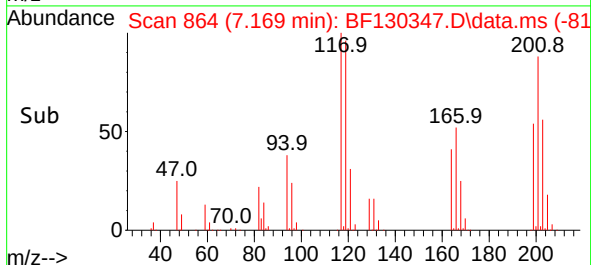
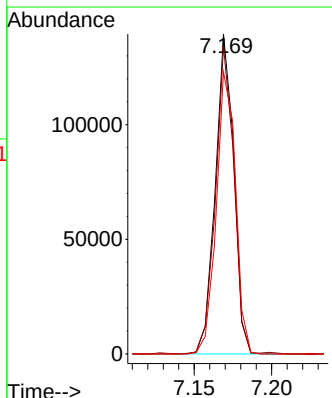
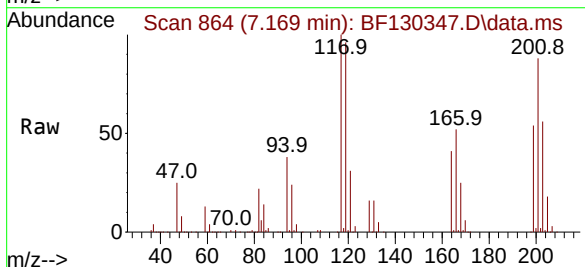
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

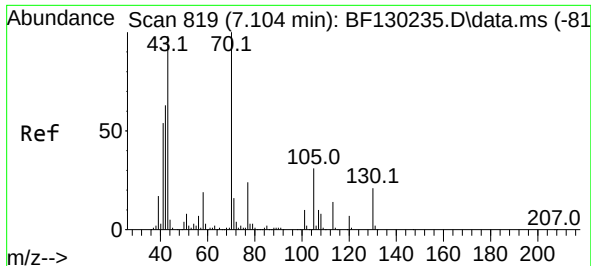
Tgt Ion:	107	Resp:	199959
Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.4	134.0
77	53.0	40.6	60.8
79	52.1	40.2	60.2



#18
Hexachloroethane
Concen: 44.675 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:	117	Resp:	116248
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.6
201	88.1	68.7	103.1



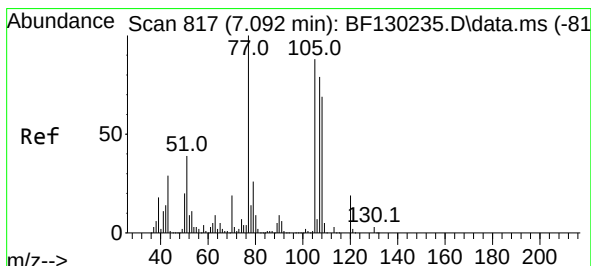
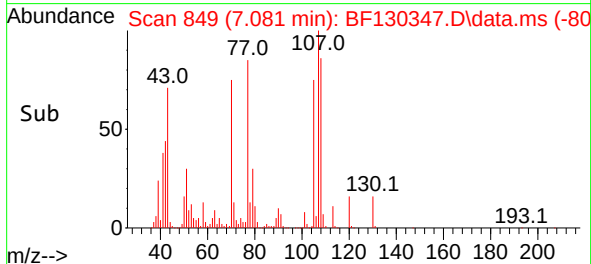
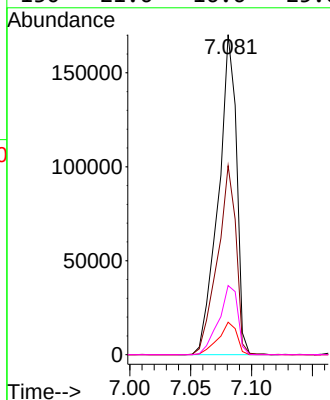
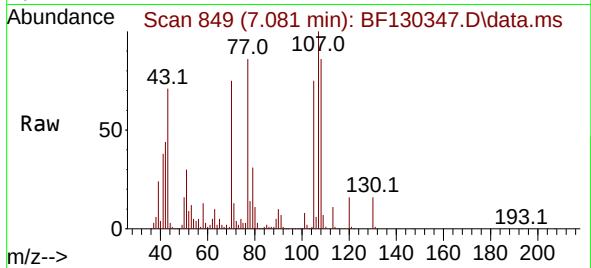


#19
n-Nitroso-di-n-propylamine
Concen: 40.699 ng
RT: 7.081 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

Tgt Ion: 70 Resp: 177467

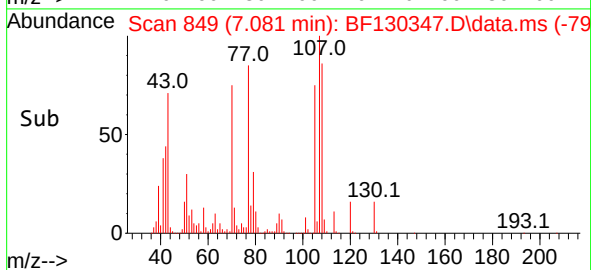
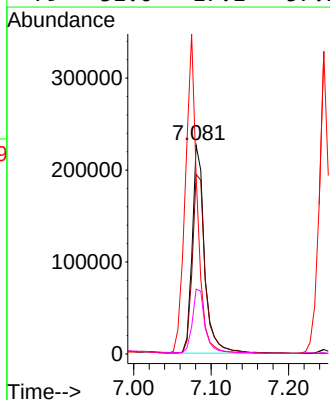
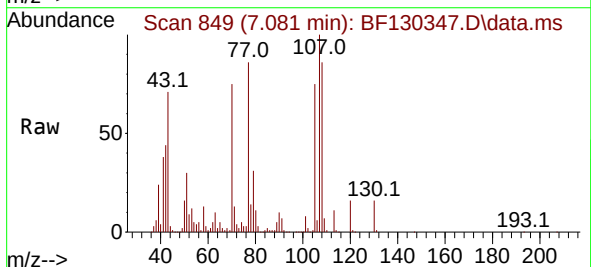
Ion	Ratio	Lower	Upper
70	100		
42	59.0	50.8	76.2
101	10.1	8.2	12.4
130	21.6	16.6	25.0

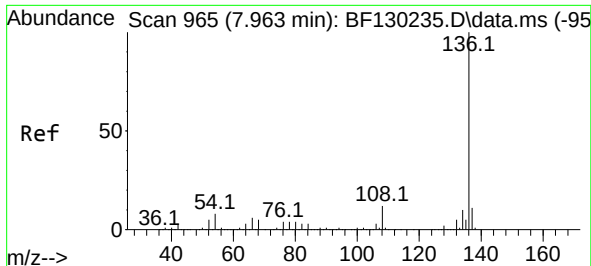


#20
3+4-Methylphenols
Concen: 40.358 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion: 107 Resp: 250731

Ion	Ratio	Lower	Upper
107	100		
108	86.1	74.8	114.8
77	85.5	125.8	165.8#
79	31.0	17.1	57.1

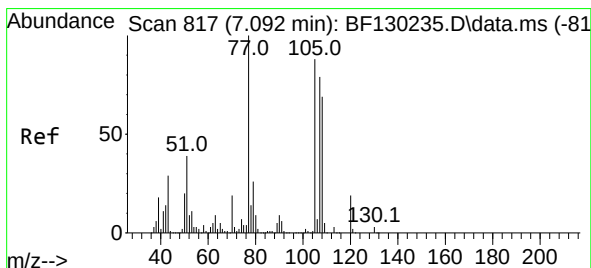
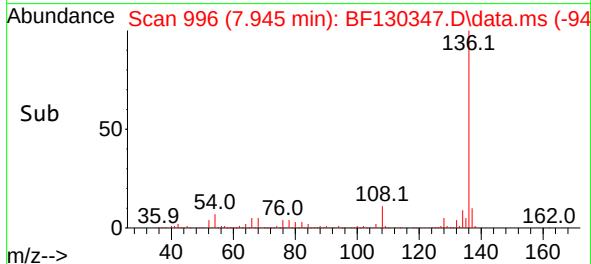
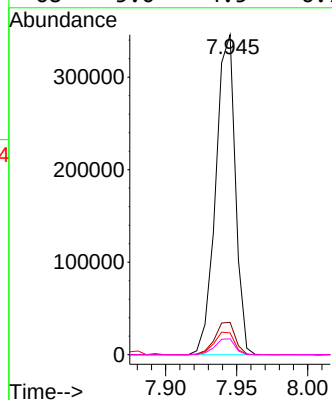
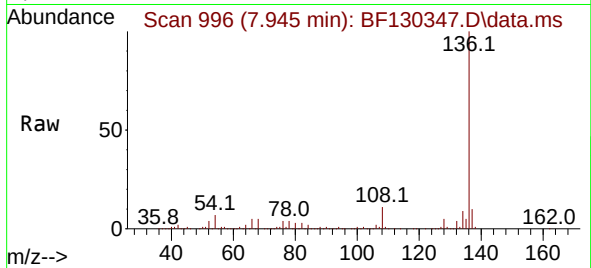




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

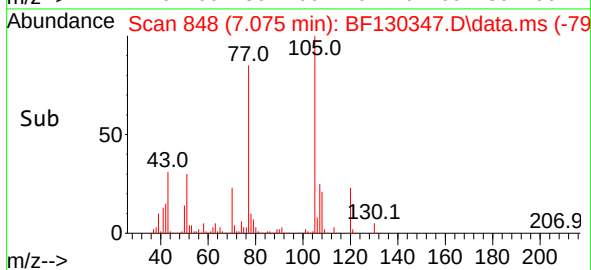
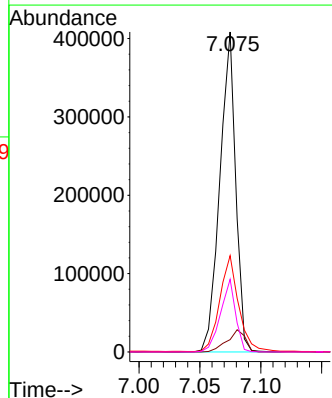
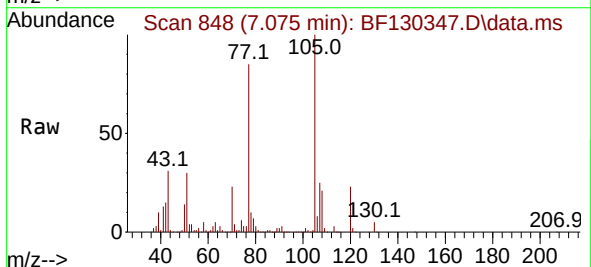
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

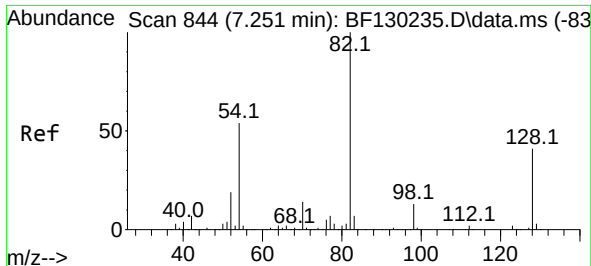
Tgt Ion:136	Resp: 331680
Ion Ratio	Lower Upper
136 100	
137 10.1	9.1 13.7
54 6.8	7.1 10.7#
68 5.0	4.5 6.7



#22
Acetophenone
Concen: 45.715 ng
RT: 7.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:105	Resp: 370705
Ion Ratio	Lower Upper
105 100	
71 3.8	3.9 5.9#
51 30.1	32.2 48.2#
120 22.7	17.3 25.9

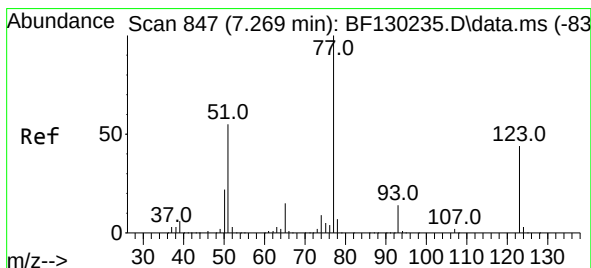
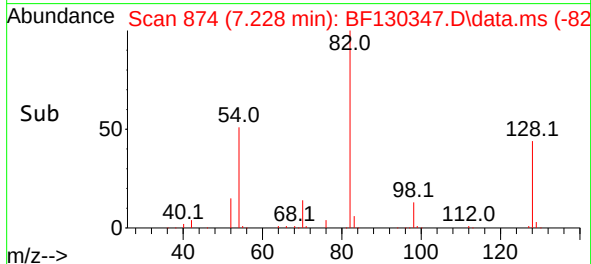
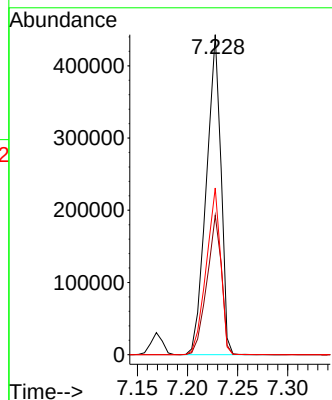
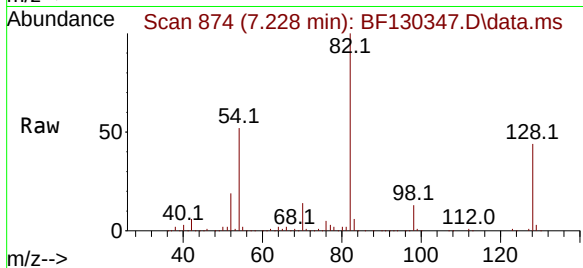




#23
Nitrobenzene-d5
Concen: 69.440 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

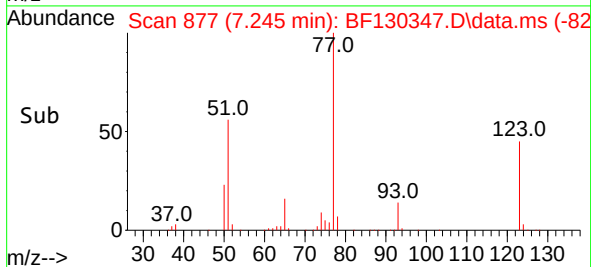
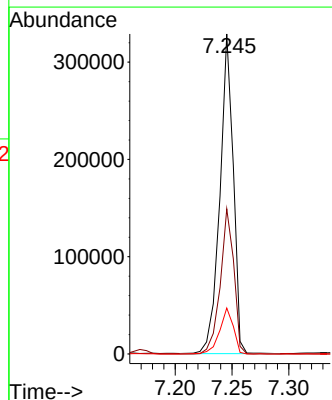
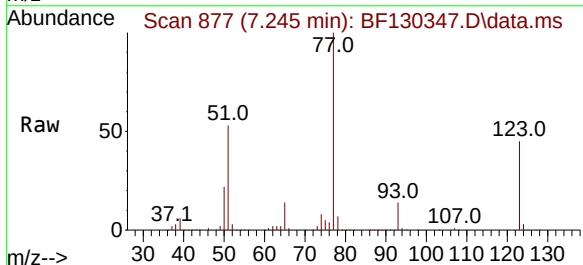
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

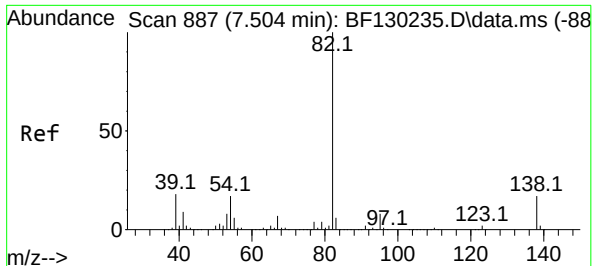
Tgt Ion: 82 Resp: 450826
Ion Ratio Lower Upper
82 100
128 43.5 32.6 49.0
54 52.1 43.8 65.6



#24
Nitrobenzene
Concen: 41.049 ng
RT: 7.245 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion: 77 Resp: 270603
Ion Ratio Lower Upper
77 100
123 45.3 34.3 51.5
65 14.4 12.0 18.0

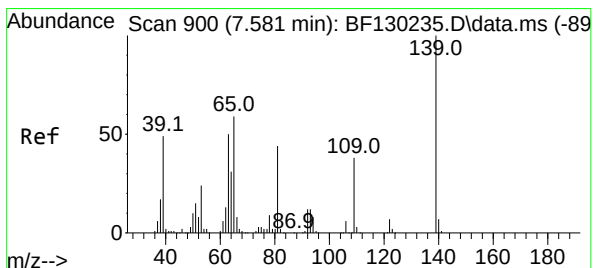
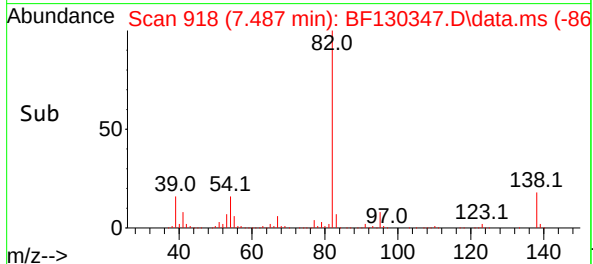
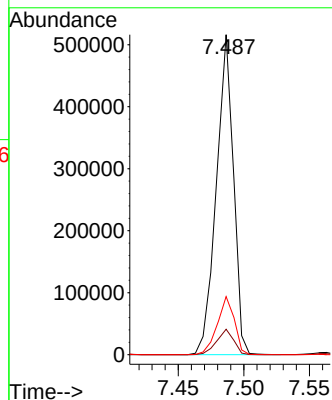
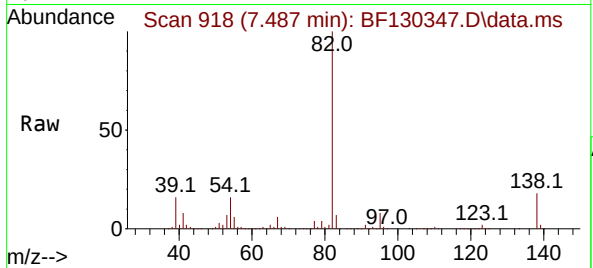




#25
Isophorone
Concen: 44.739 ng
RT: 7.487 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

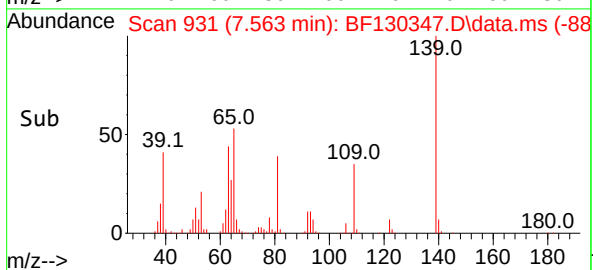
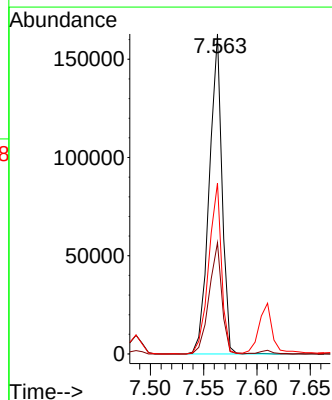
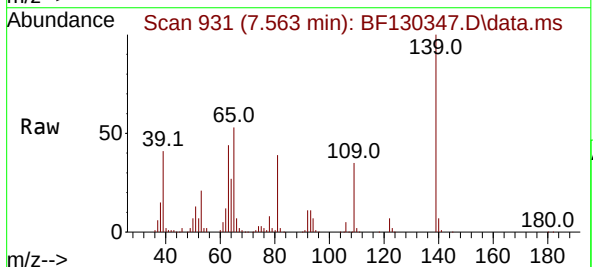
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

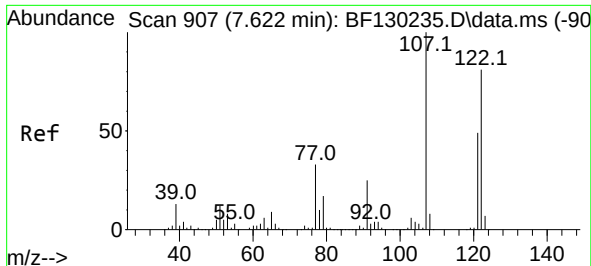
Tgt Ion: 82 Resp: 468143
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.2 13.8 20.6



#26
2-Nitrophenol
Concen: 50.440 ng
RT: 7.563 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion: 139 Resp: 136307
Ion Ratio Lower Upper
139 100
109 34.8 30.2 45.4
65 53.4 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 53.324 ng

RT: 7.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

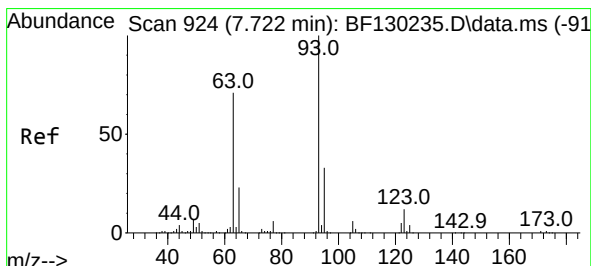
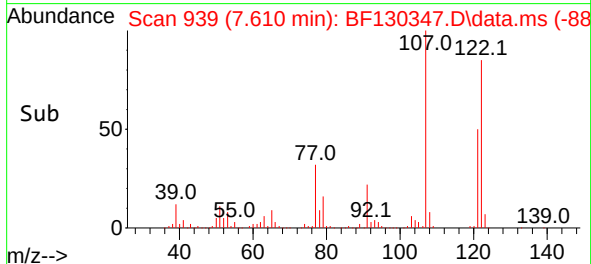
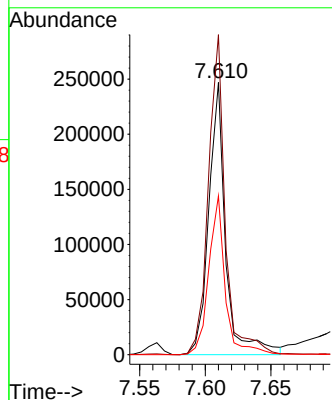
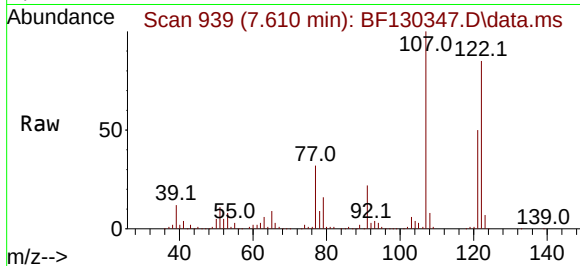
Tgt Ion:122 Resp: 221879

Ion Ratio Lower Upper

122 100

107 117.6 100.2 150.2

121 58.3 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 49.120 ng

RT: 7.704 min Scan# 955

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

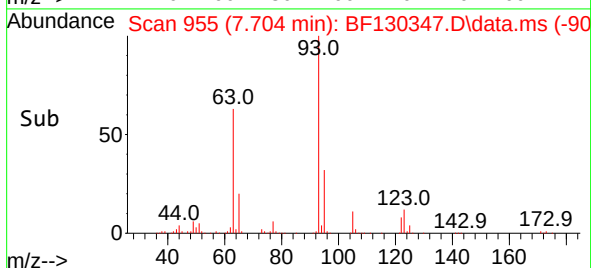
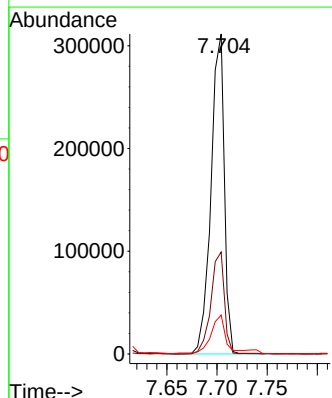
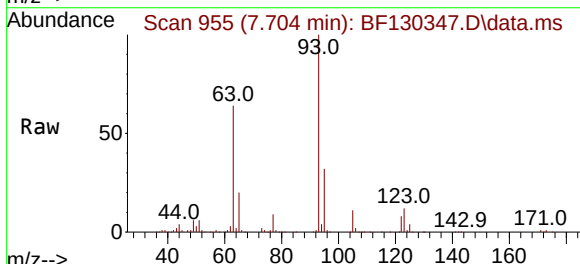
Tgt Ion: 93 Resp: 289421

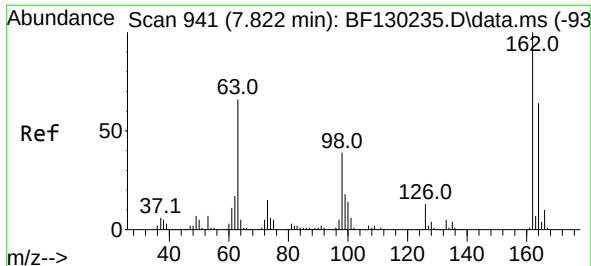
Ion Ratio Lower Upper

93 100

95 31.9 26.3 39.5

123 12.2 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 44.671 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF130347.D

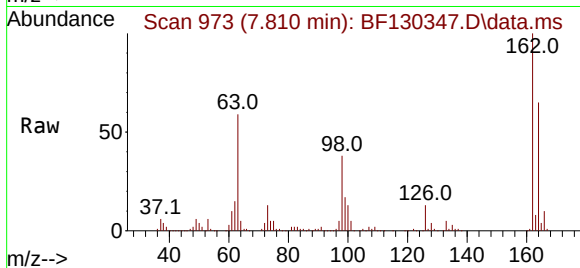
Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD



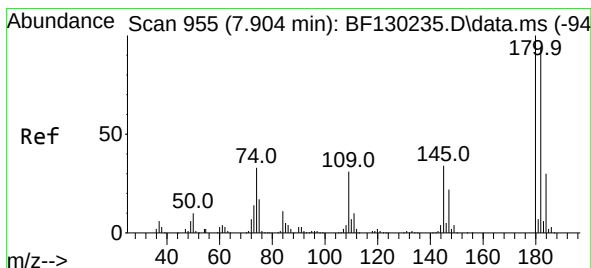
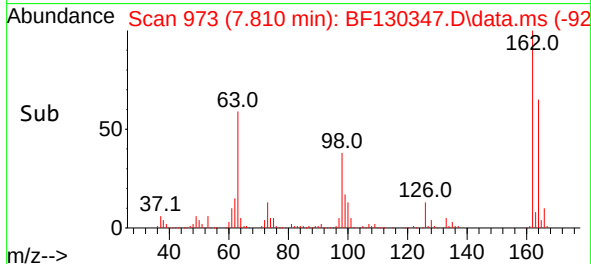
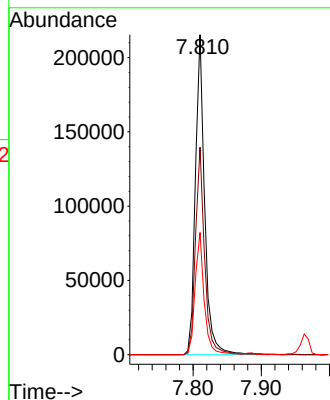
Tgt Ion:162 Resp: 203689

Ion Ratio Lower Upper

162 100

164 64.9 42.2 82.2

98 38.2 21.7 61.7



#30

1,2,4-Trichlorobenzene

Concen: 45.270 ng

RT: 7.886 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

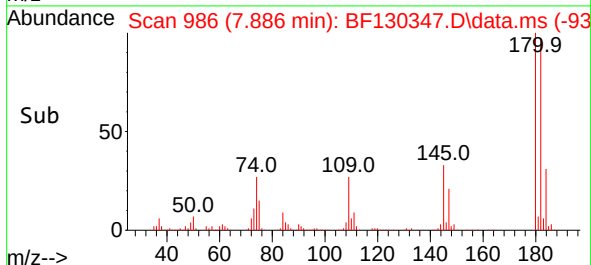
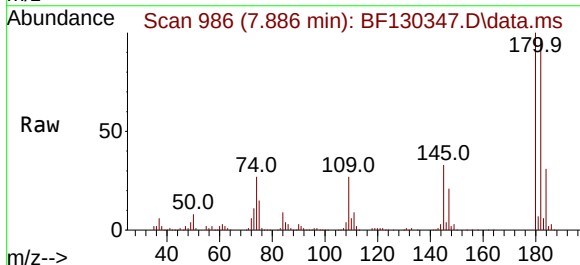
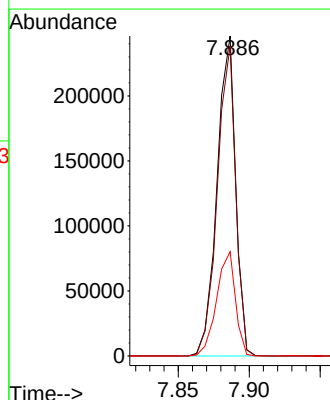
Tgt Ion:180 Resp: 223169

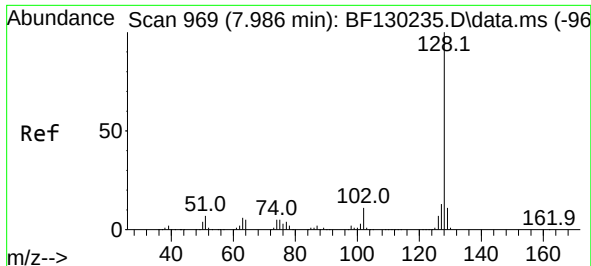
Ion Ratio Lower Upper

180 100

182 97.0 73.3 109.9

145 32.6 28.3 42.5

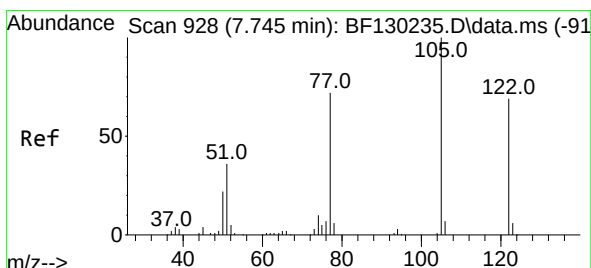
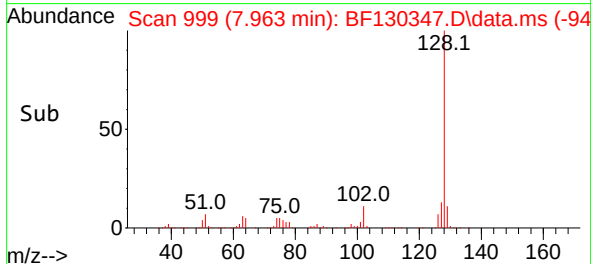
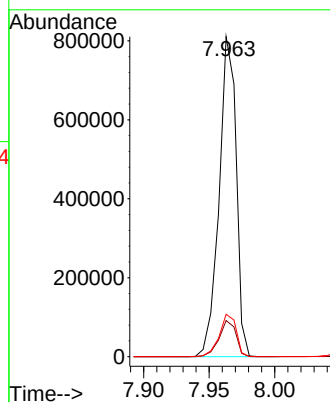
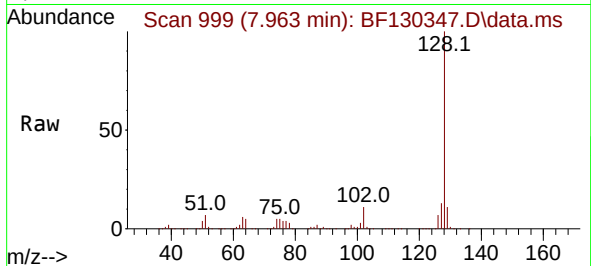




#31
Naphthalene
Concen: 42.936 ng
RT: 7.963 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

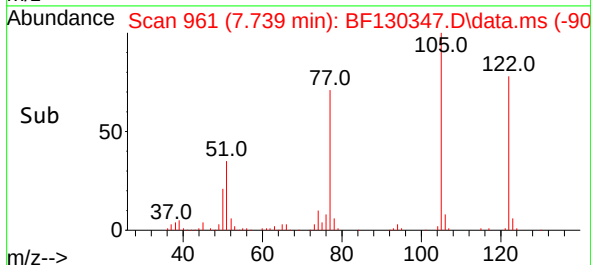
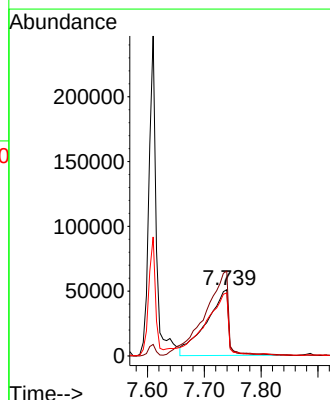
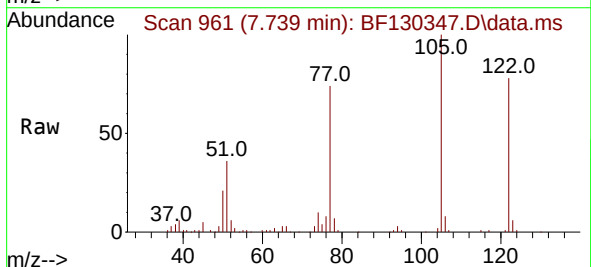
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

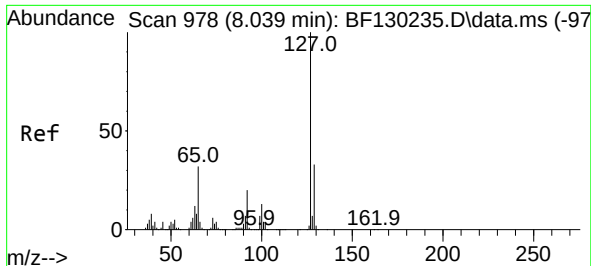
Tgt Ion:128 Resp: 733685
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 43.054 ng
RT: 7.739 min Scan# 961
Delta R.T. 0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:122 Resp: 138538
Ion Ratio Lower Upper
122 100
105 128.1 112.9 152.9
77 95.2 82.8 122.8

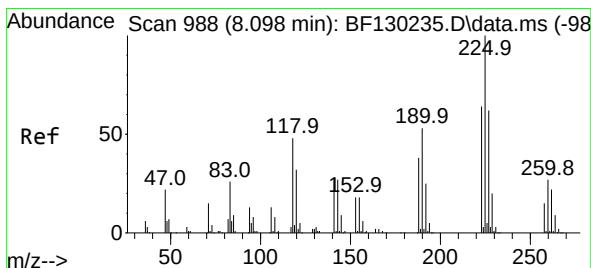
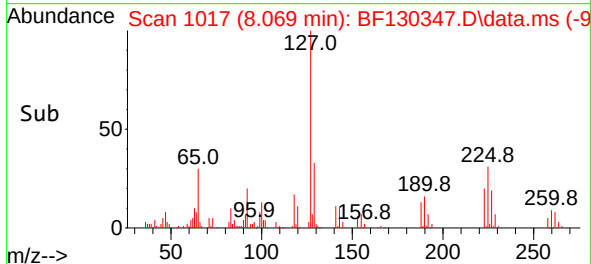
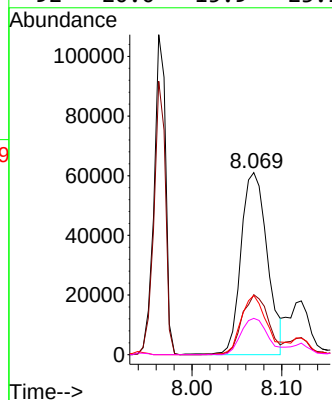
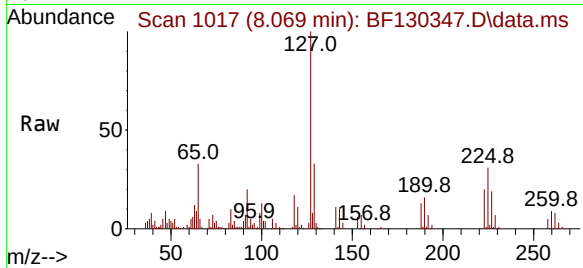




#33
4-Chloroaniline
Concen: 19.156 ng
RT: 8.069 min Scan# 1017
Delta R.T. 0.047 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

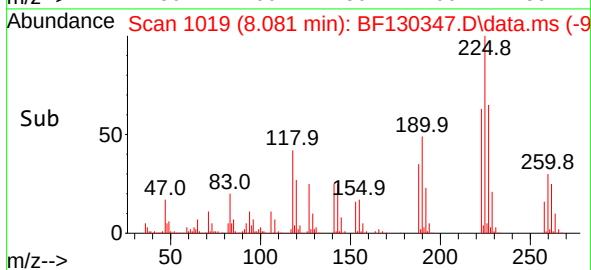
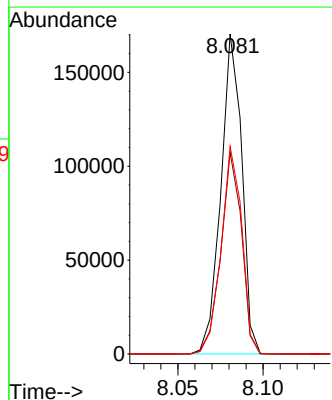
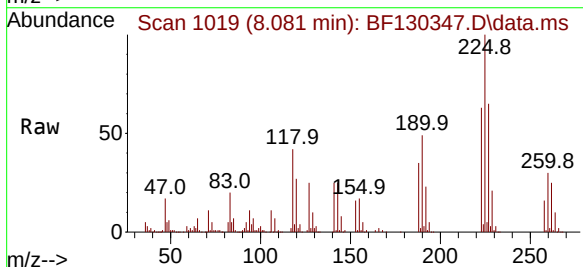
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

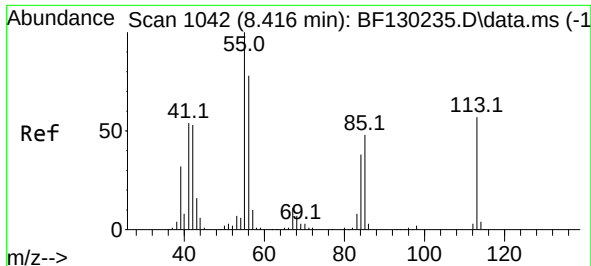
Tgt Ion:	127	Resp:	124497
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.6	38.4
65	32.5	27.0	40.6
92	20.0	15.9	23.9



#34
Hexachlorobutadiene
Concen: 46.178 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:	225	Resp:	145487
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	64.9	51.1	76.7

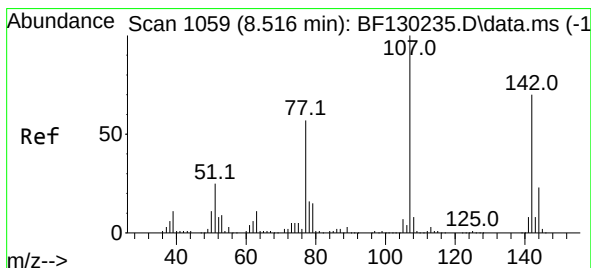
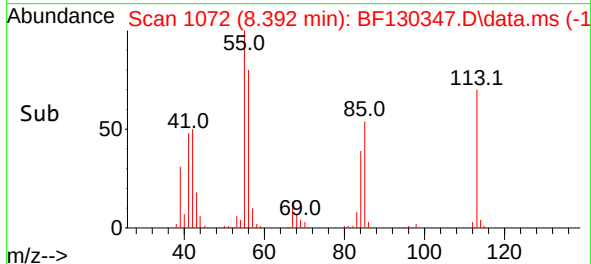
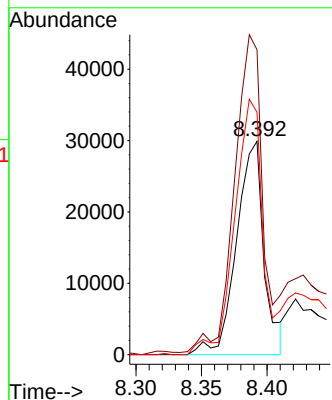
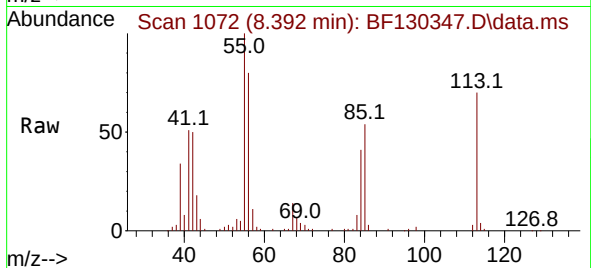




#35
 Caprolactam
 Concen: 33.295 ng
 RT: 8.392 min Scan# 1072
 Delta R.T. -0.012 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

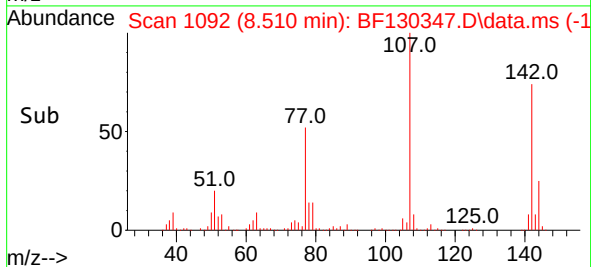
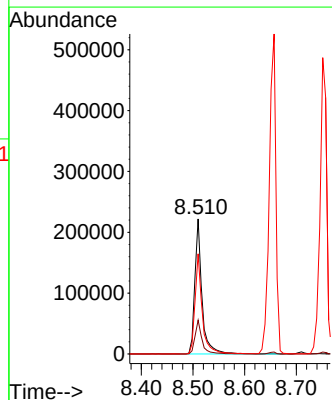
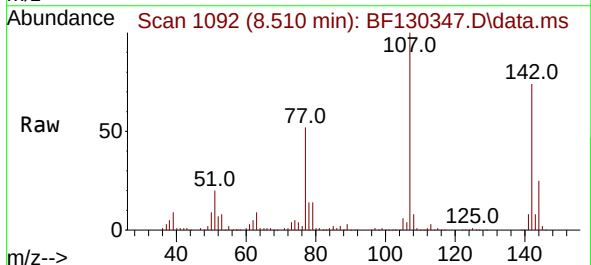
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-SOILMSD

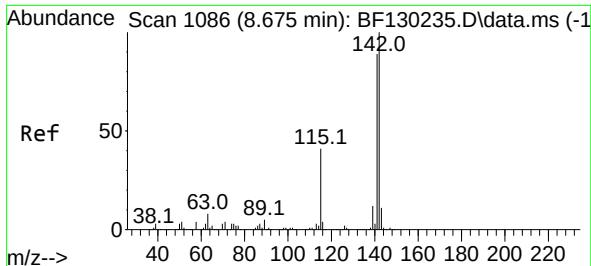
Tgt Ion:113 Resp: 43523
 Ion Ratio Lower Upper
 113 100
 55 142.9 155.4 195.4#
 56 113.7 120.4 160.4#



#36
 4-Chloro-3-methylphenol
 Concen: 42.206 ng
 RT: 8.510 min Scan# 1092
 Delta R.T. 0.006 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

Tgt Ion:107 Resp: 213311
 Ion Ratio Lower Upper
 107 100
 144 25.0 20.0 30.0
 142 74.2 61.3 91.9





#37

2-Methylnaphthalene

Concen: 42.715 ng

RT: 8.657 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

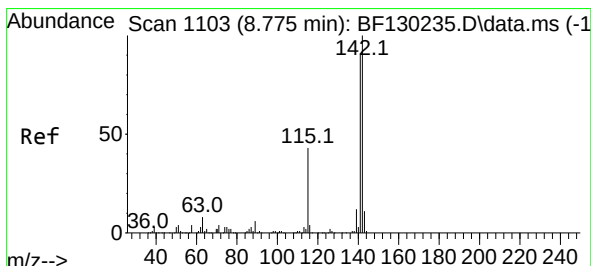
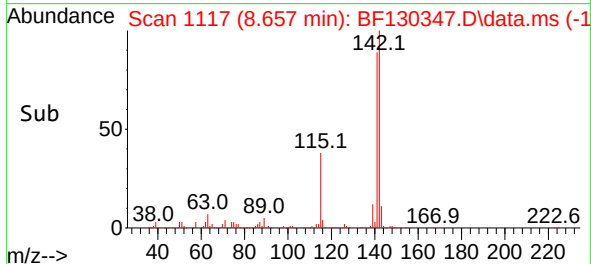
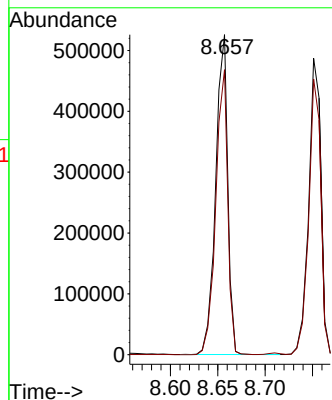
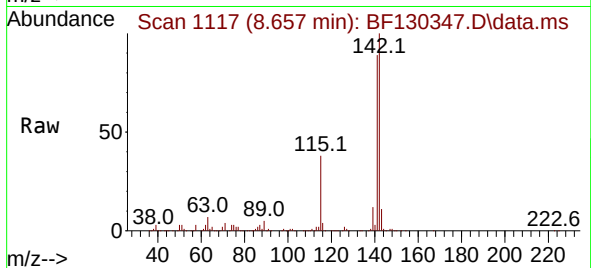
ROLLOFF-SOILMSD

Tgt Ion:142 Resp: 465377

Ion Ratio Lower Upper

142 100

141 89.1 70.0 105.0



#38

1-Methylnaphthalene

Concen: 41.956 ng

RT: 8.751 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF130347.D

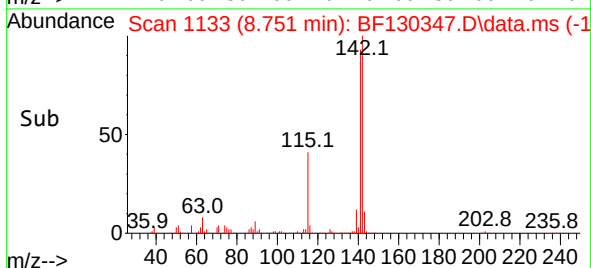
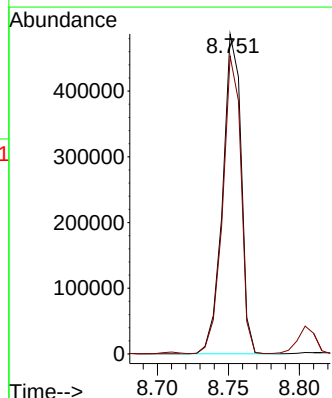
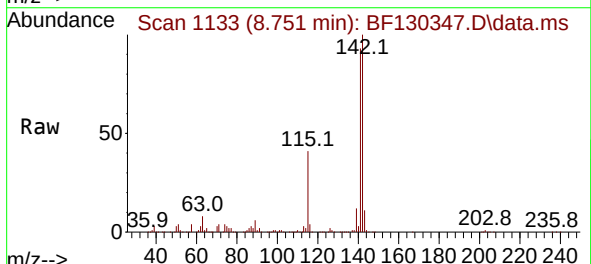
Acq: 20 Sep 2022 16:42

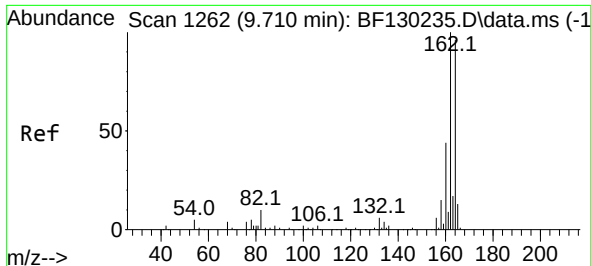
Tgt Ion:142 Resp: 439123

Ion Ratio Lower Upper

142 100

141 93.0 73.8 110.8

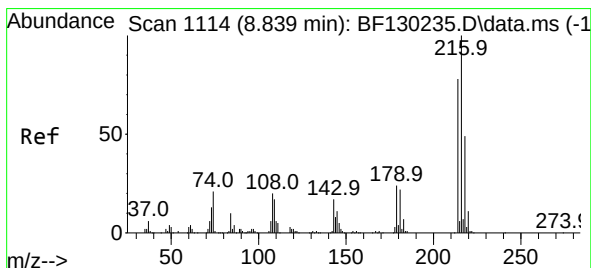
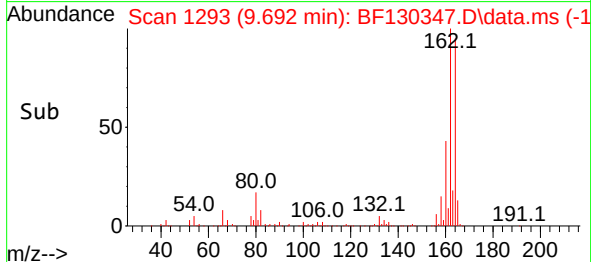
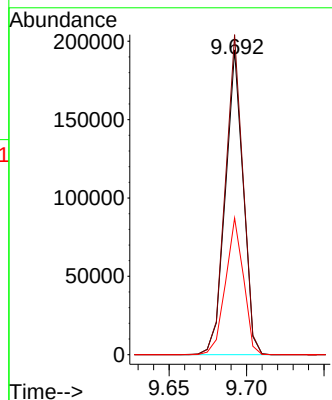
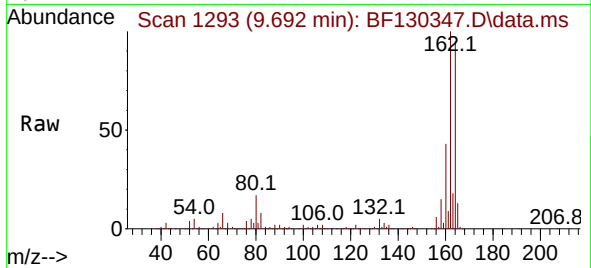




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.692 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

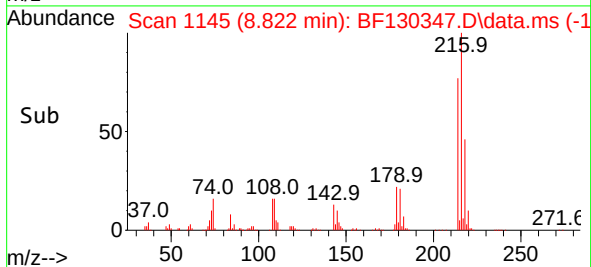
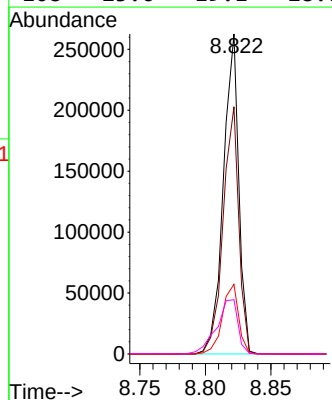
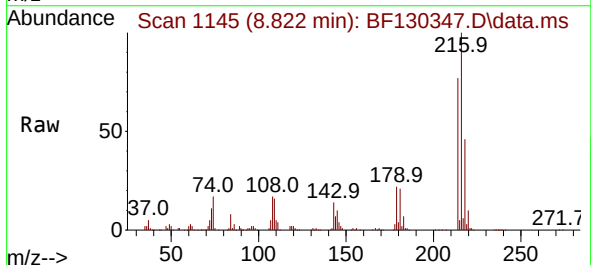
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

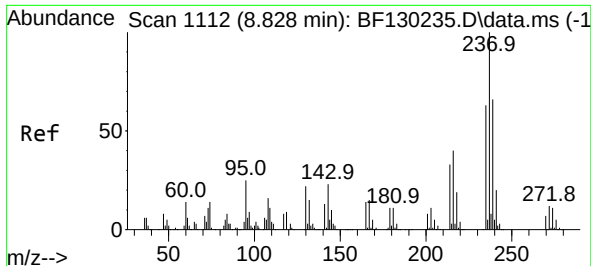
Tgt Ion:164 Resp: 155247
Ion Ratio Lower Upper
164 100
162 105.0 81.4 122.0
160 44.9 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.513 ng
RT: 8.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:216 Resp: 214011
Ion Ratio Lower Upper
216 100
214 78.6 62.8 94.2
179 23.0 19.5 29.3
108 23.6 19.1 28.7

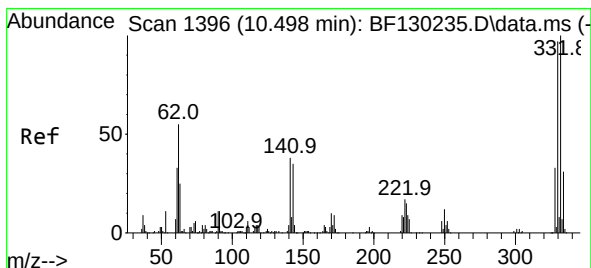
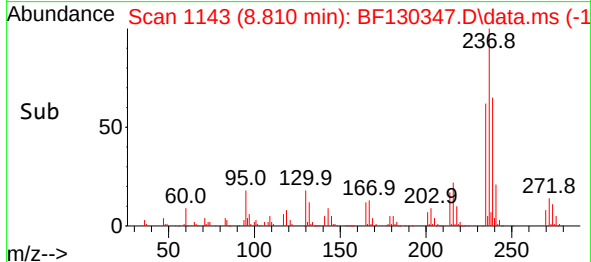
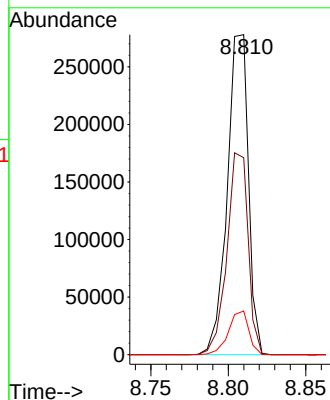
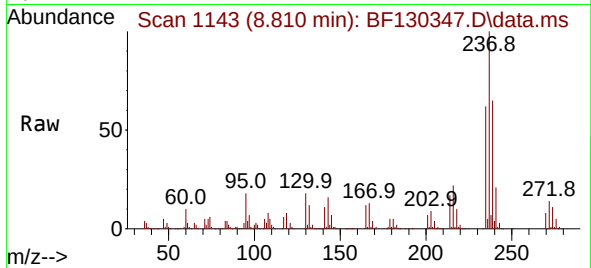




#41
Hexachlorocyclopentadiene
Concen: 116.884 ng
RT: 8.810 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

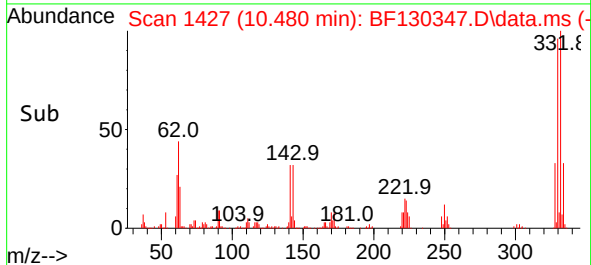
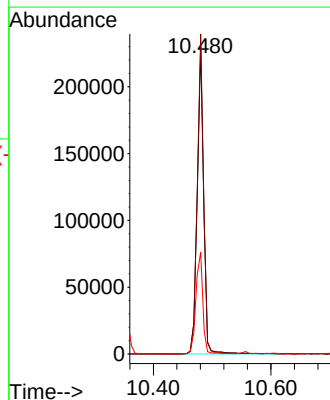
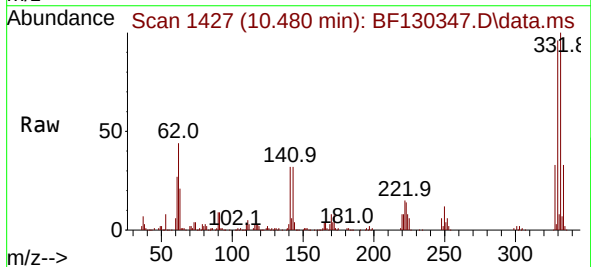
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

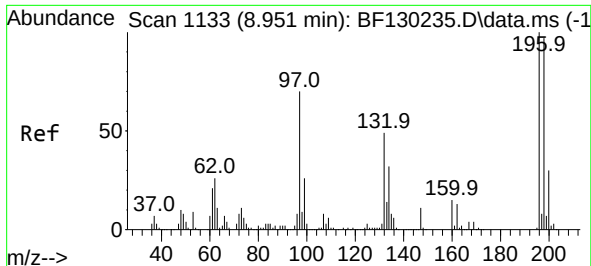
Tgt Ion:237 Resp: 265131
Ion Ratio Lower Upper
237 100
235 61.6 42.5 82.5
272 13.7 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 116.905 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:330 Resp: 173904
Ion Ratio Lower Upper
330 100
332 102.7 83.4 125.2
141 35.8 34.0 51.0





#43

2,4,6-Trichlorophenol

Concen: 44.906 ng

RT: 8.933 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF130347.D

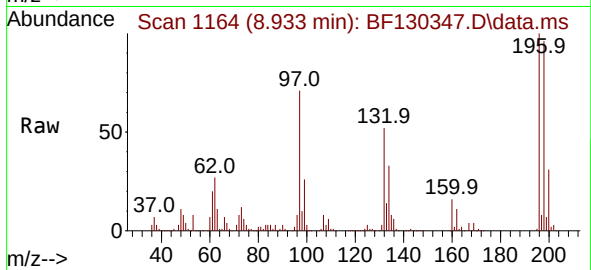
Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD



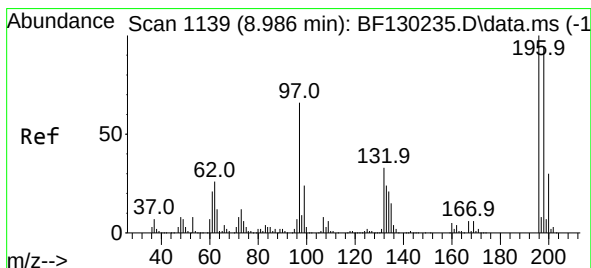
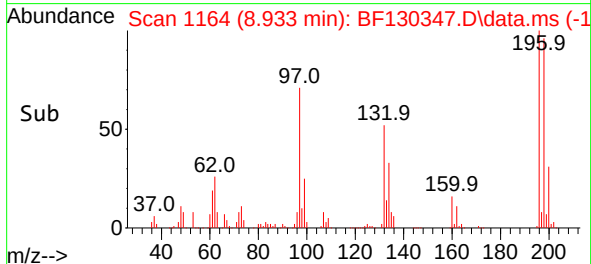
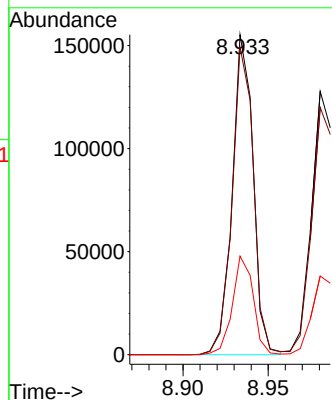
Tgt Ion:196 Resp: 132782

Ion Ratio Lower Upper

196 100

198 96.2 72.4 108.6

200 30.8 23.8 35.6



#44

2,4,5-Trichlorophenol

Concen: 44.301 ng

RT: 8.981 min Scan# 1172

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Tgt Ion:196 Resp: 141354

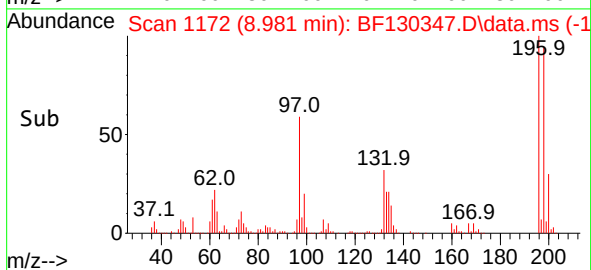
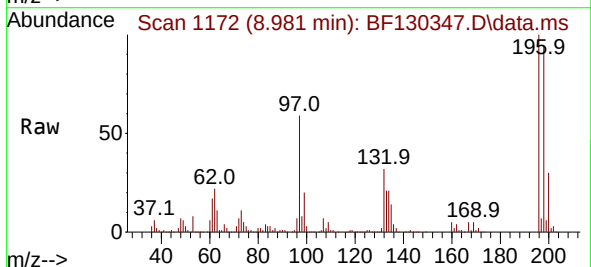
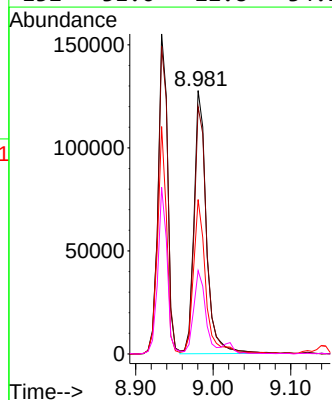
Ion Ratio Lower Upper

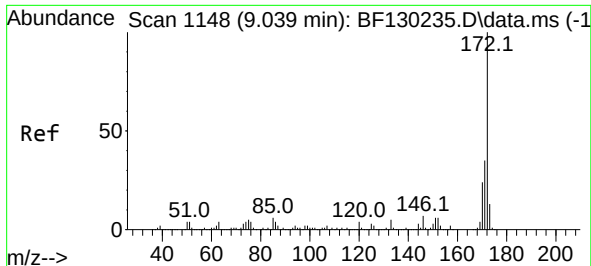
196 100

198 93.9 74.8 112.2

97 58.6 43.7 65.5

132 31.6 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 74.704 ng

RT: 9.022 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

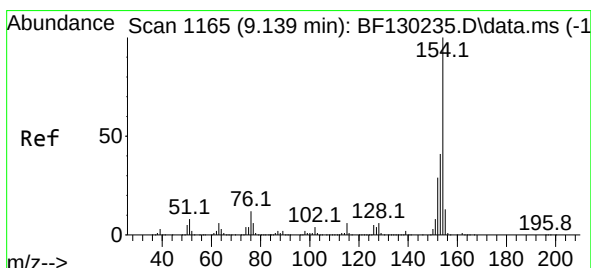
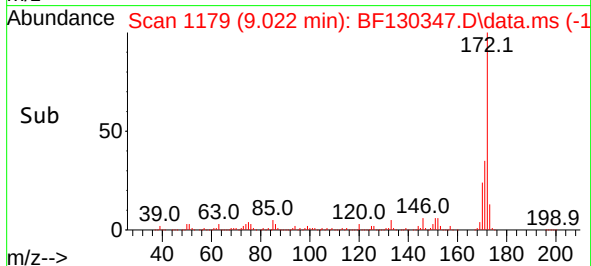
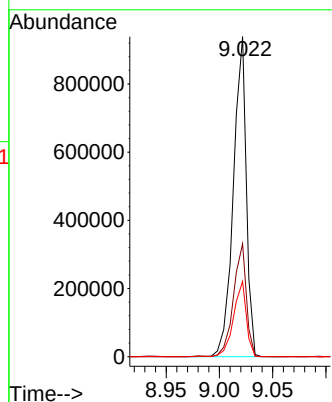
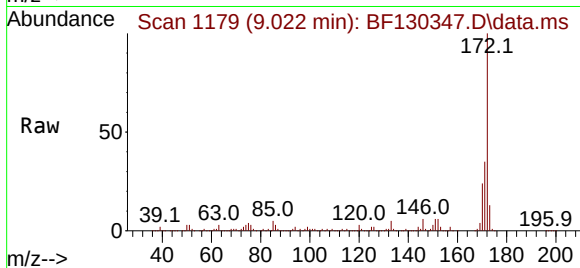
Tgt Ion:172 Resp: 796437

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 48.512 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

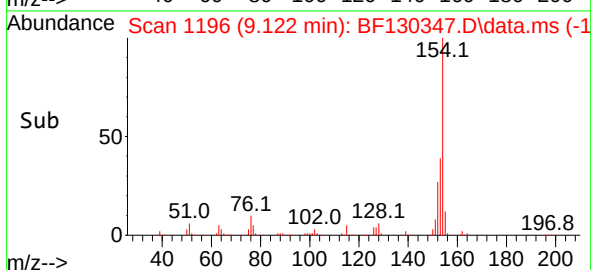
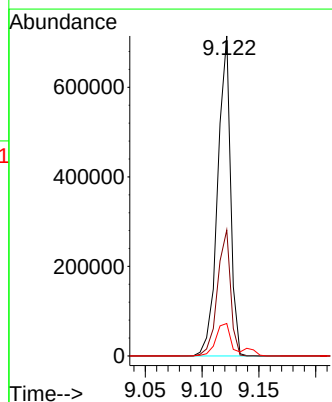
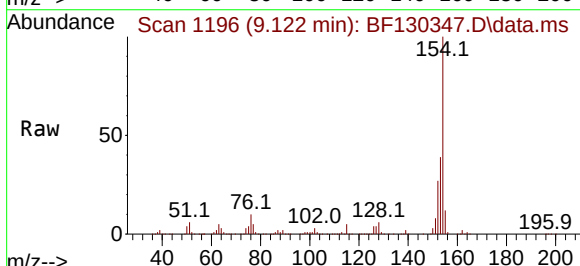
Tgt Ion:154 Resp: 562479

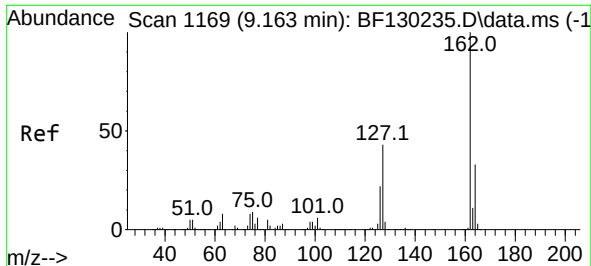
Ion Ratio Lower Upper

154 100

153 39.3 20.0 60.0

76 10.2 0.0 33.3

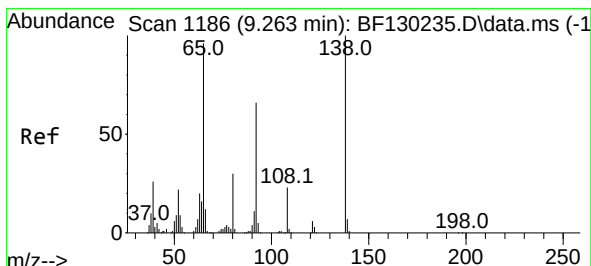
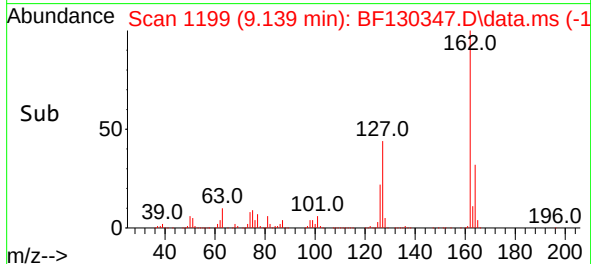
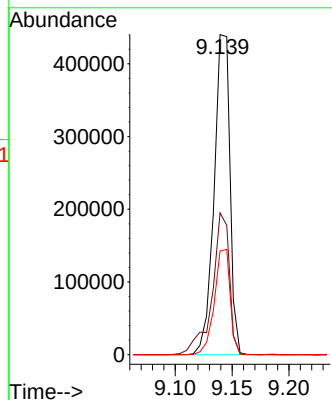
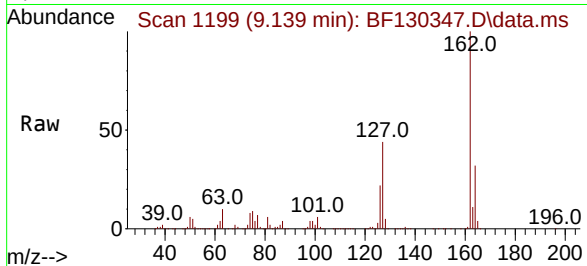




#47
2-Chloronaphthalene
Concen: 45.814 ng
RT: 9.139 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

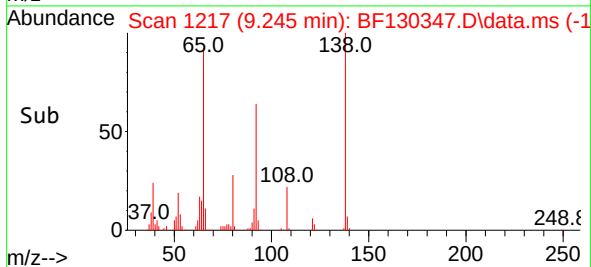
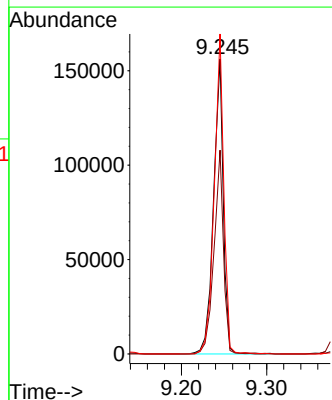
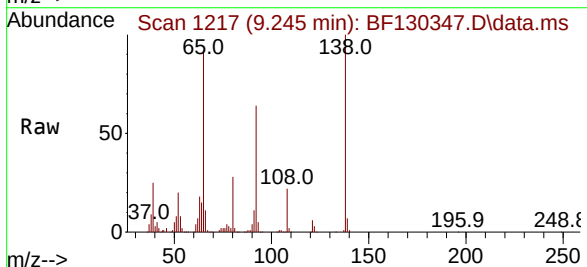
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

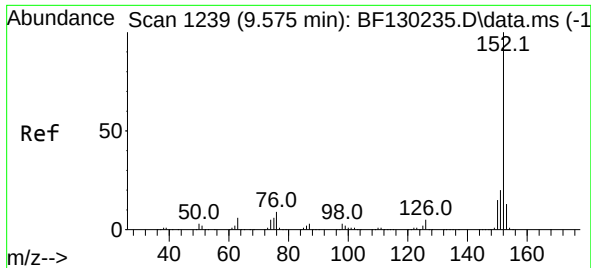
Tgt Ion:162 Resp: 429700
Ion Ratio Lower Upper
162 100
127 44.3 35.9 53.9
164 32.4 26.2 39.2



#48
2-Nitroaniline
Concen: 40.093 ng
RT: 9.245 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion: 65 Resp: 125423
Ion Ratio Lower Upper
65 100
92 69.1 52.2 78.4
138 108.4 77.0 115.4

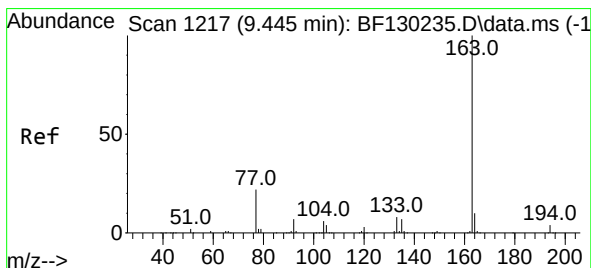
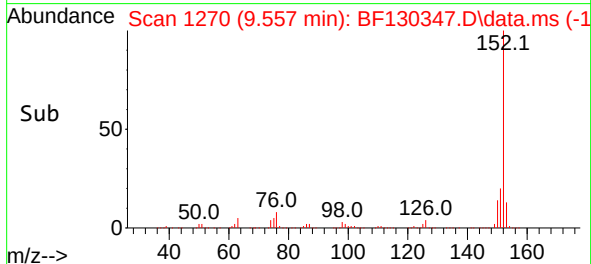
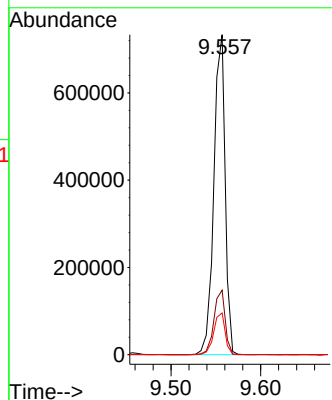
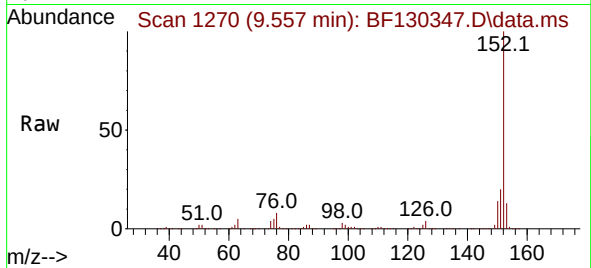




#49
Acenaphthylene
Concen: 45.662 ng
RT: 9.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

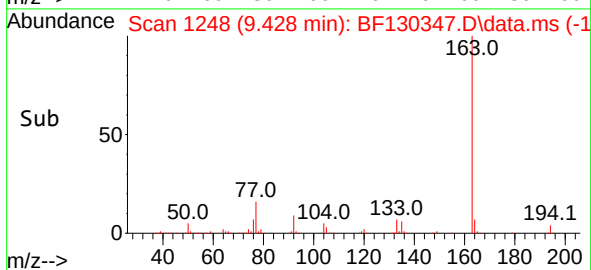
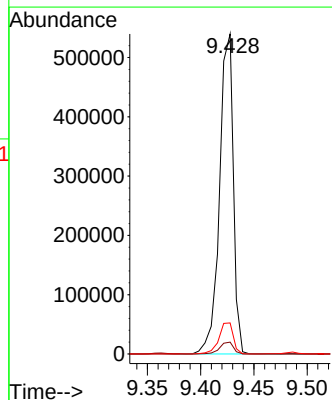
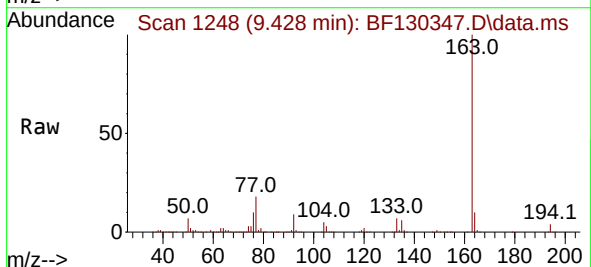
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

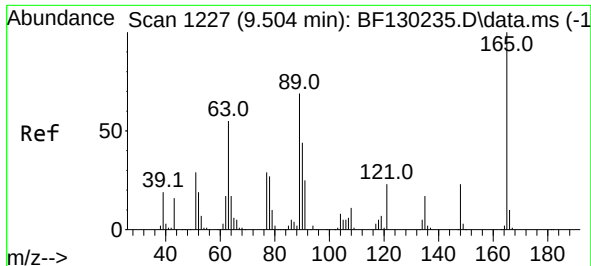
Tgt Ion:152 Resp: 642137
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 45.093 ng
RT: 9.428 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:163 Resp: 483570
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.7 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 45.747 ng

RT: 9.486 min Scan# 1258

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

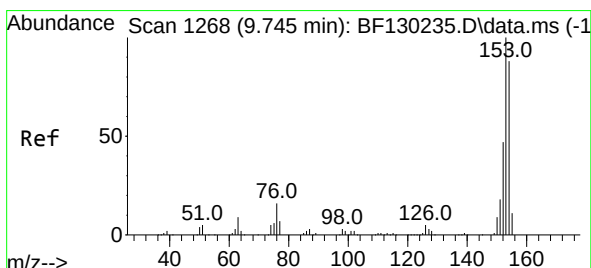
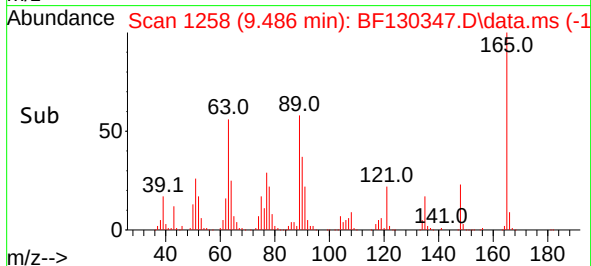
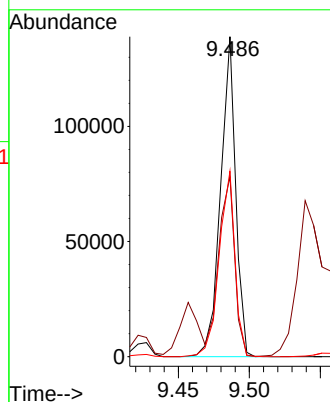
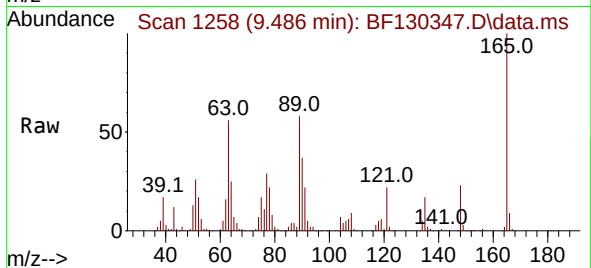
Tgt Ion:165 Resp: 102599

Ion Ratio Lower Upper

165 100

63 56.3 58.8 88.2#

89 57.9 54.5 81.7



#52

Acenaphthene

Concen: 40.005 ng

RT: 9.728 min Scan# 1299

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

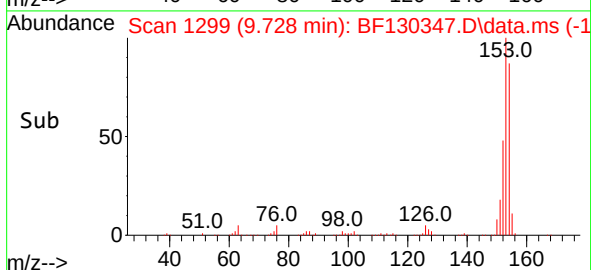
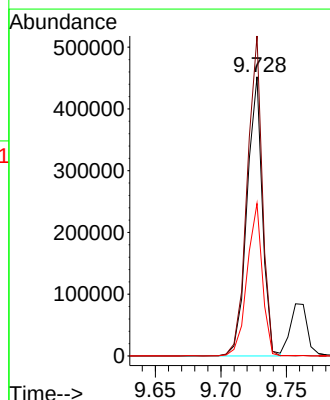
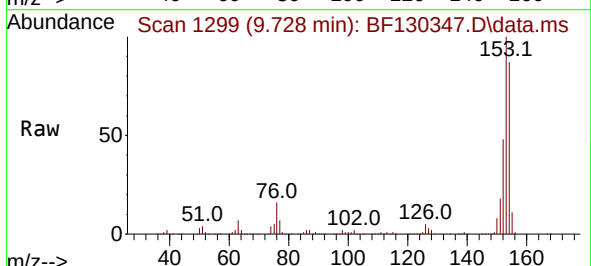
Tgt Ion:154 Resp: 369629

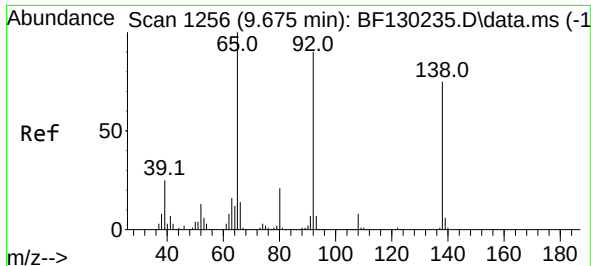
Ion Ratio Lower Upper

154 100

153 114.6 90.6 136.0

152 54.6 43.8 65.6

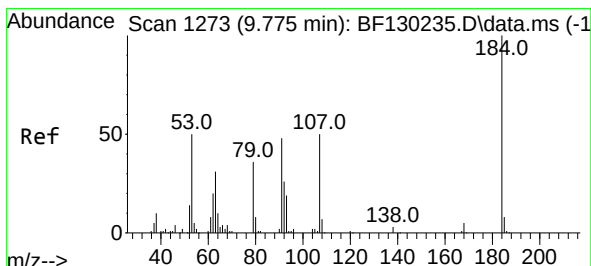
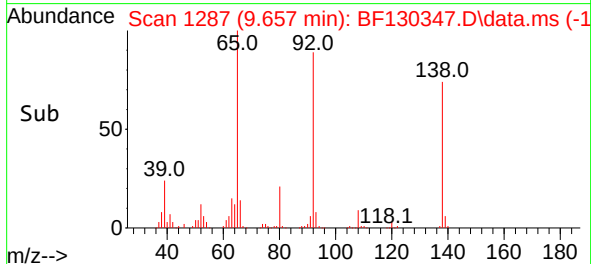
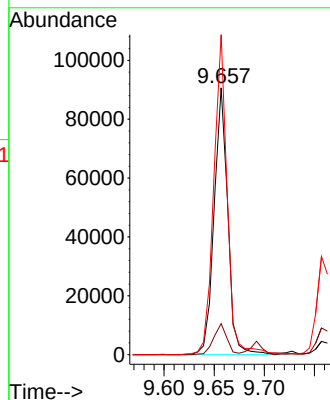
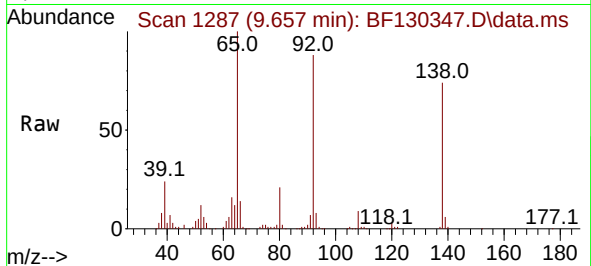




#53
3-Nitroaniline
Concen: 34.562 ng
RT: 9.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

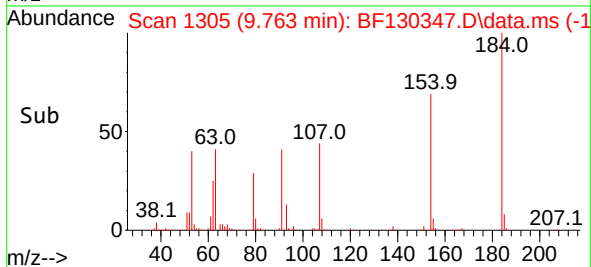
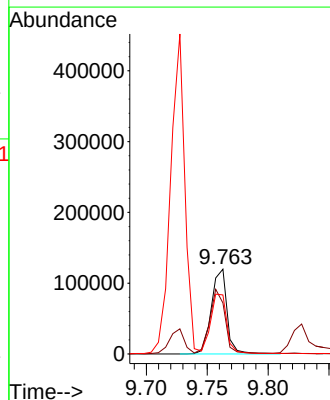
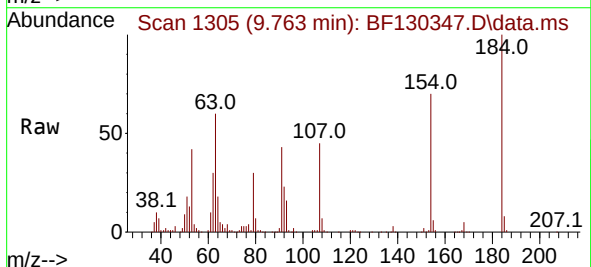
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

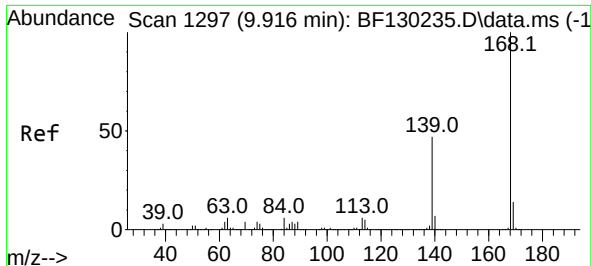
Tgt Ion:138 Resp: 86373
Ion Ratio Lower Upper
138 100
108 11.6 9.2 13.8
92 119.9 99.2 148.8



#54
2,4-Dinitrophenol
Concen: 87.612 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:184 Resp: 107376
Ion Ratio Lower Upper
184 100
63 60.3 70.0 105.0#
154 69.7 63.0 94.6

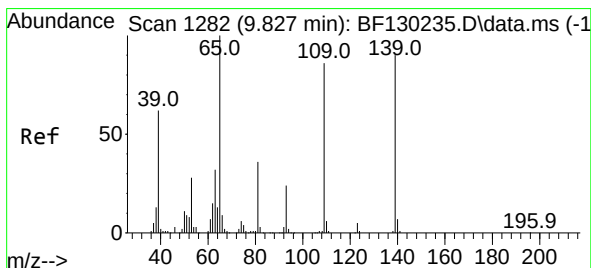
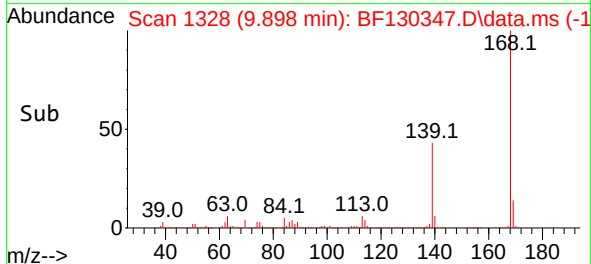
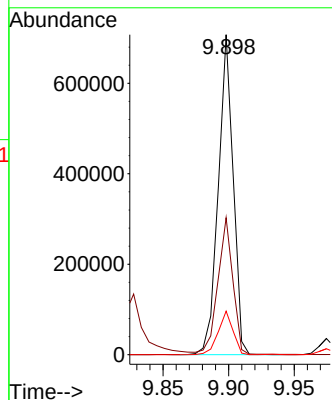
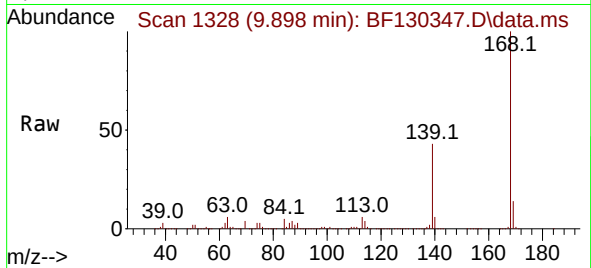




#55
Dibenzenofuran
Concen: 43.319 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

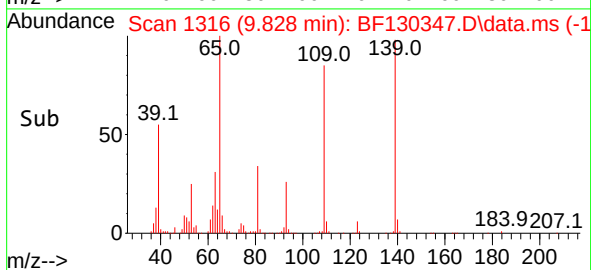
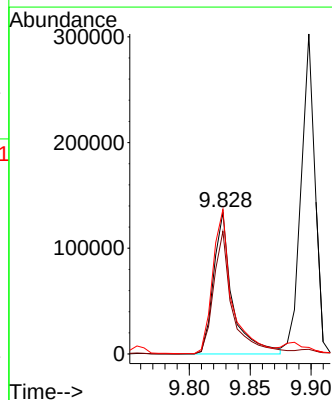
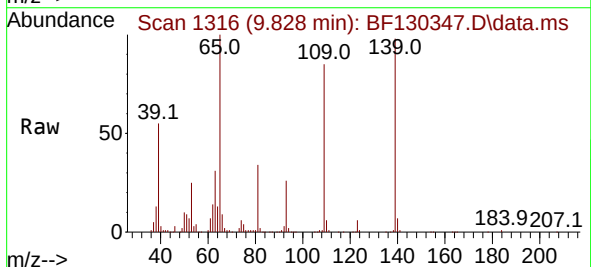
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

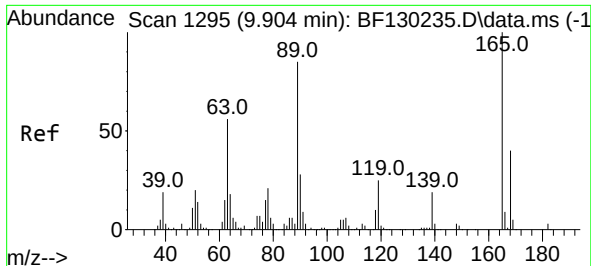
Tgt Ion:168 Resp: 556728
Ion Ratio Lower Upper
168 100
139 42.8 35.0 52.4
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 79.501 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.012 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:139 Resp: 144708
Ion Ratio Lower Upper
139 100
109 86.6 72.2 112.2
65 102.0 97.7 137.7





#57

2,4-Dinitrotoluene

Concen: 44.809 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

Tgt Ion:165 Resp: 128434

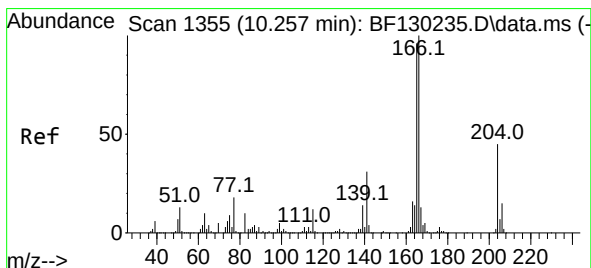
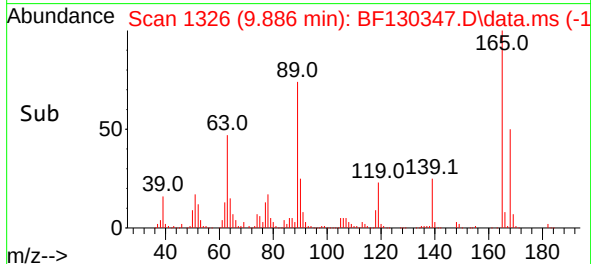
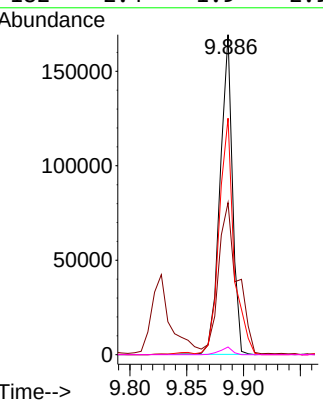
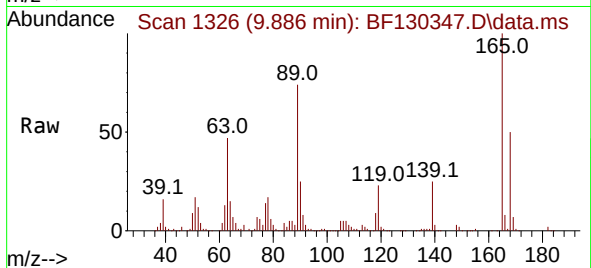
Ion Ratio Lower Upper

165 100

63 47.5 44.7 67.1

89 73.9 69.0 103.4

182 2.4 1.9 2.9



#58

Fluorene

Concen: 41.542 ng

RT: 10.239 min Scan# 1386

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

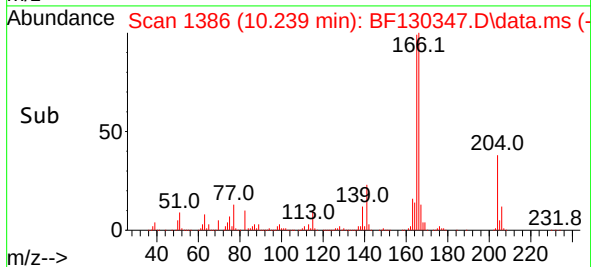
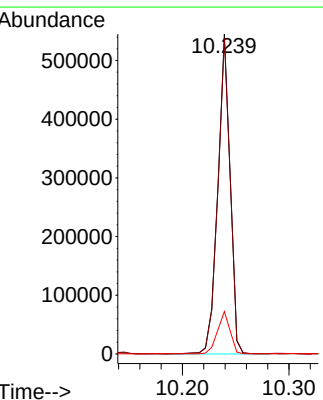
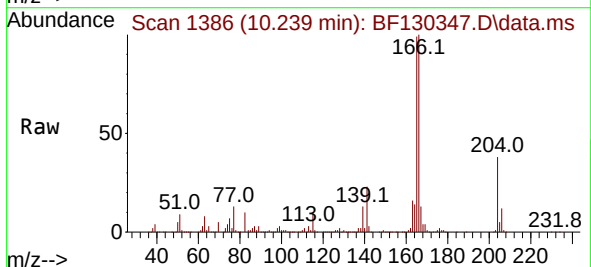
Tgt Ion:166 Resp: 436618

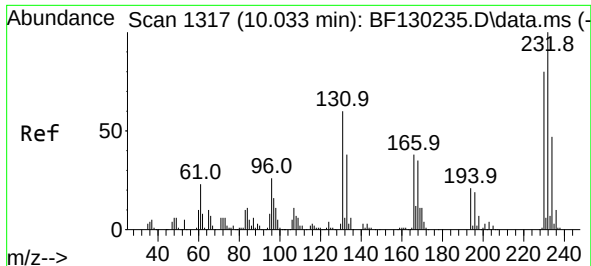
Ion Ratio Lower Upper

166 100

165 98.6 78.8 118.2

167 13.3 10.6 15.8

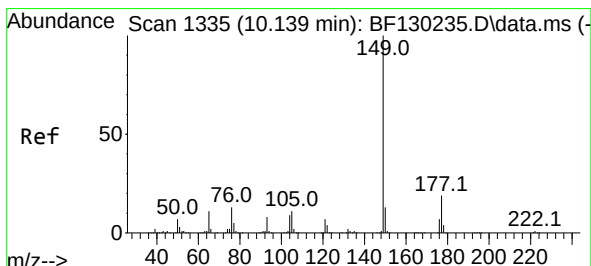
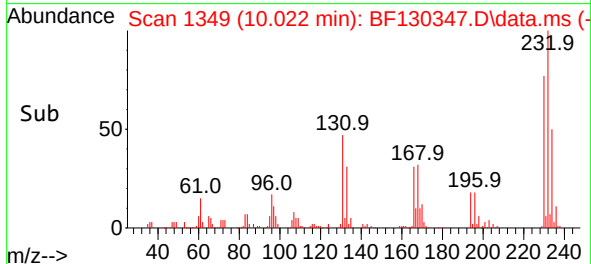
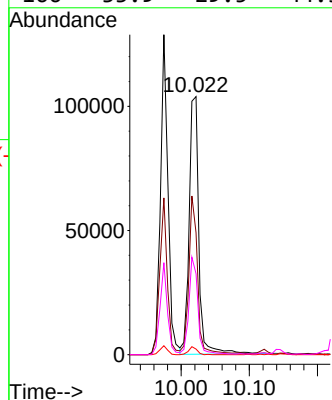
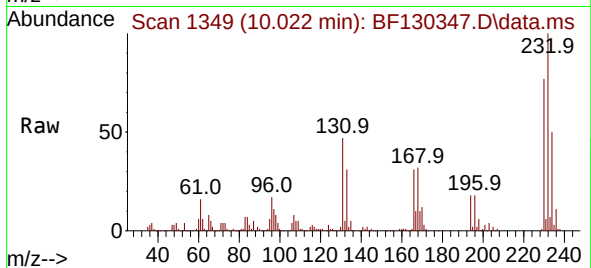




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.781 ng
RT: 10.022 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

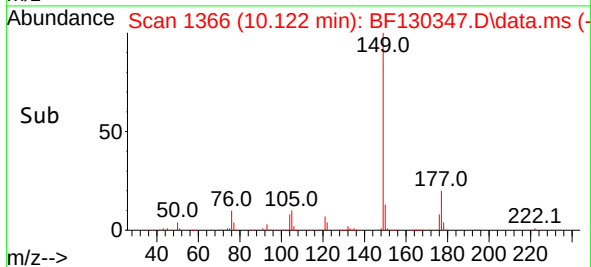
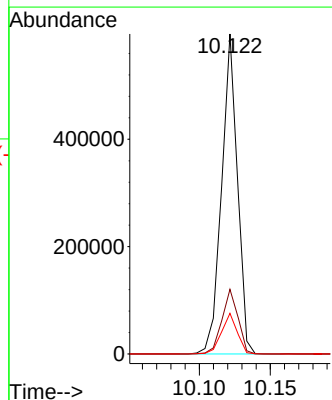
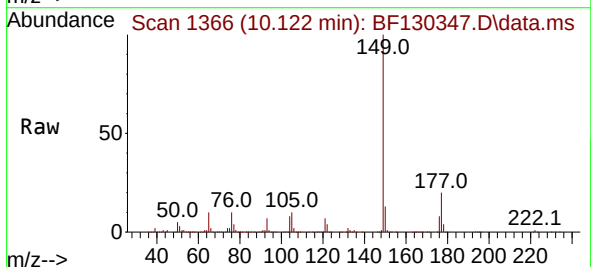
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

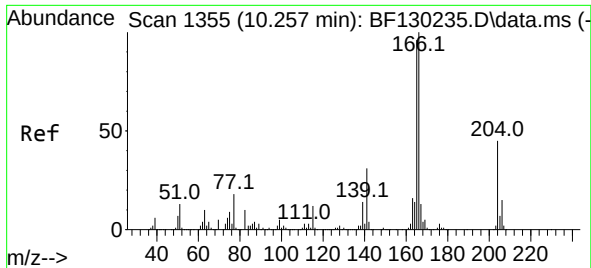
Tgt Ion:232 Resp: 101850
Ion Ratio Lower Upper
232 100
131 54.5 46.4 69.6
130 2.7 2.3 3.5
166 33.9 29.5 44.3



#60
Diethylphthalate
Concen: 42.861 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:149 Resp: 460920
Ion Ratio Lower Upper
149 100
177 20.2 16.1 24.1
150 12.7 9.9 14.9

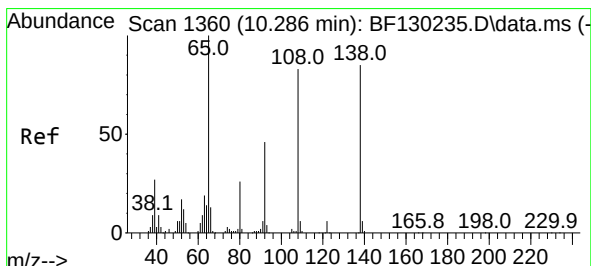
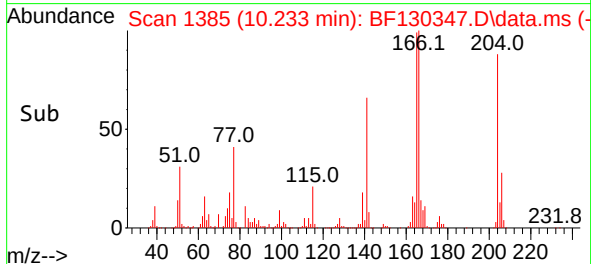
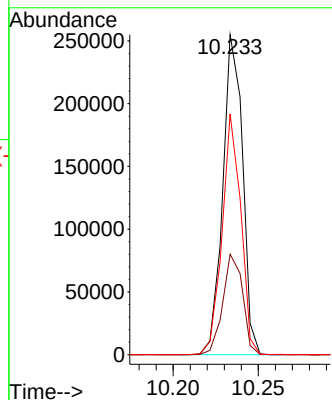
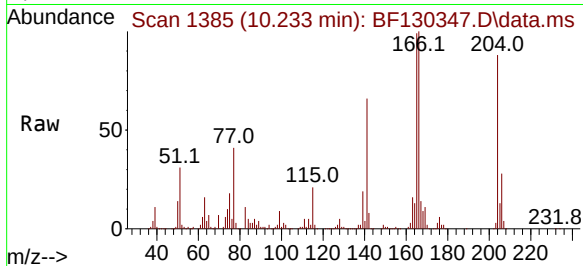




#61
4-Chlorophenyl-phenylether
Concen: 44.696 ng
RT: 10.233 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

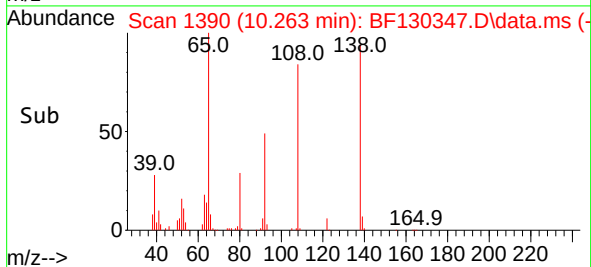
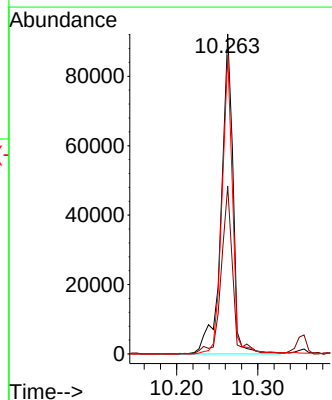
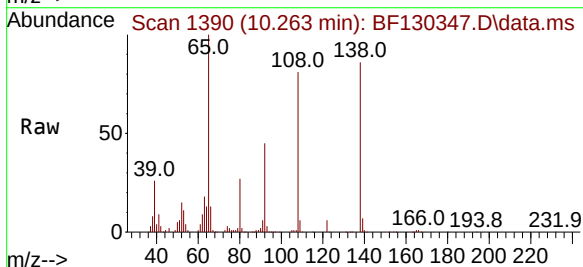
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

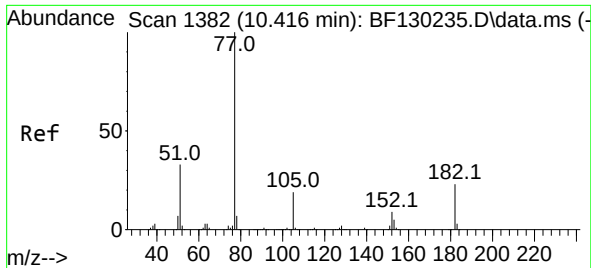
Tgt Ion:204 Resp: 206081
Ion Ratio Lower Upper
204 100
206 31.4 26.6 39.8
141 75.2 57.1 85.7



#62
4-Nitroaniline
Concen: 37.077 ng
RT: 10.263 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:138 Resp: 93082
Ion Ratio Lower Upper
138 100
92 52.4 36.7 76.7
108 93.3 78.2 118.2



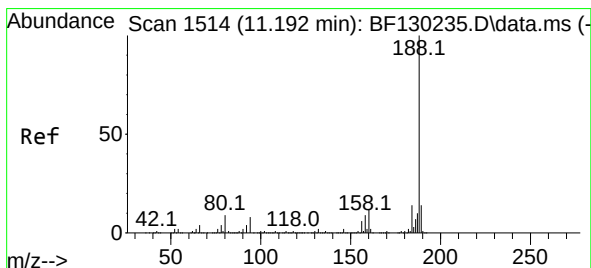
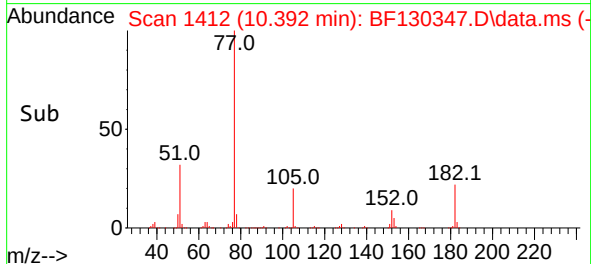
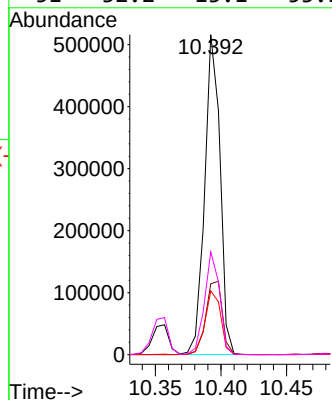
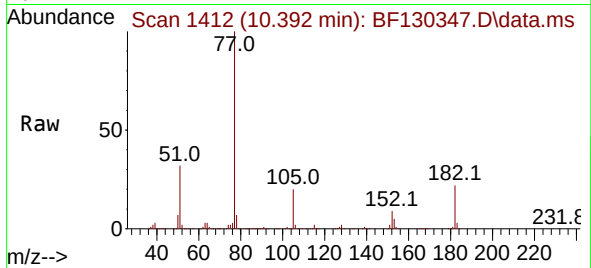


#63
 Azobenzene
 Concen: 38.028 ng
 RT: 10.392 min Scan# 1412
 Delta R.T. -0.006 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-SOILMSD

Tgt Ion: 77 Resp: 421094

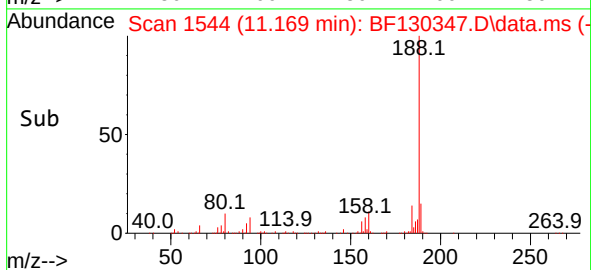
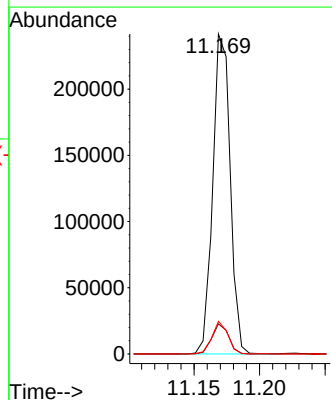
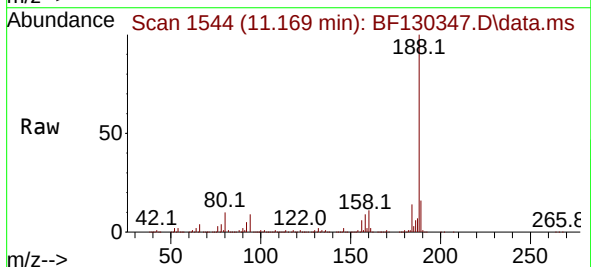
Ion	Ratio	Lower	Upper
77	100		
182	22.2	2.1	42.1
105	20.0	0.0	39.4
51	32.2	13.1	53.1

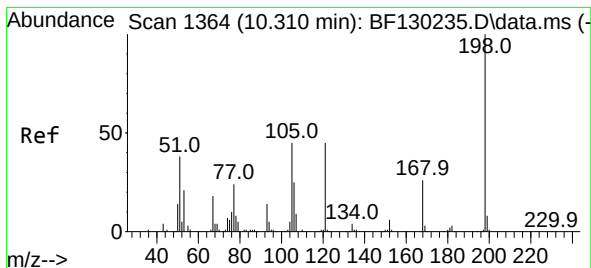


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.169 min Scan# 1544
 Delta R.T. -0.006 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

Tgt Ion: 188 Resp: 223238

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.2	7.9	11.9

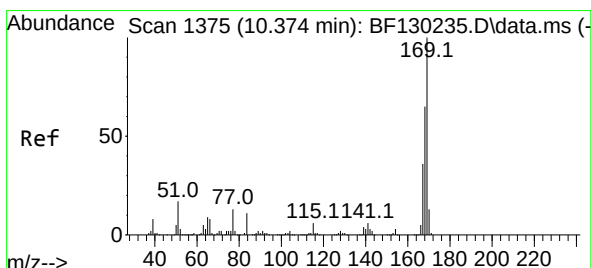
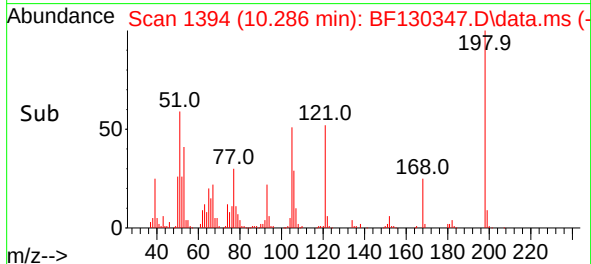
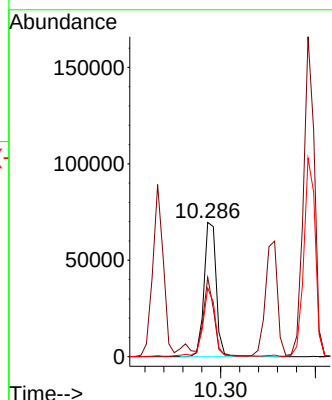
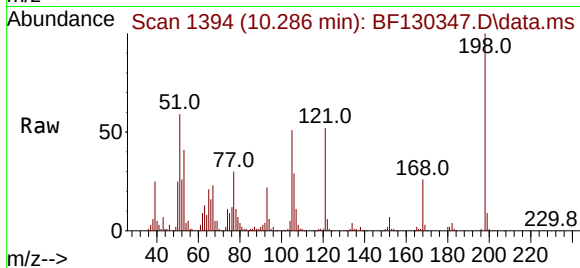




#65
4,6-Dinitro-2-methylphenol
Concen: 50.131 ng
RT: 10.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

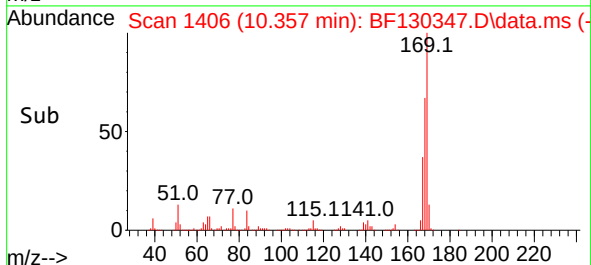
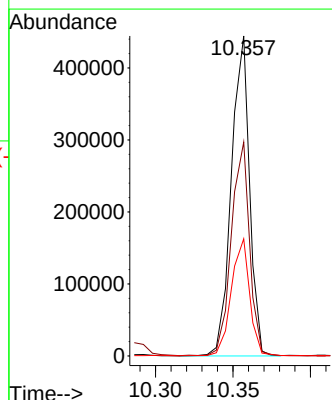
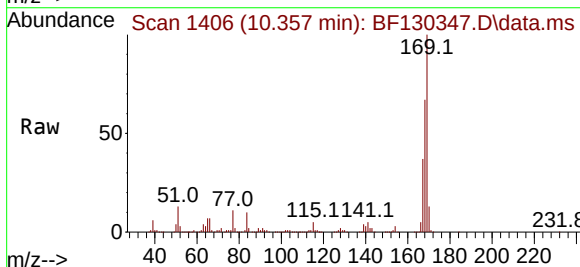
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

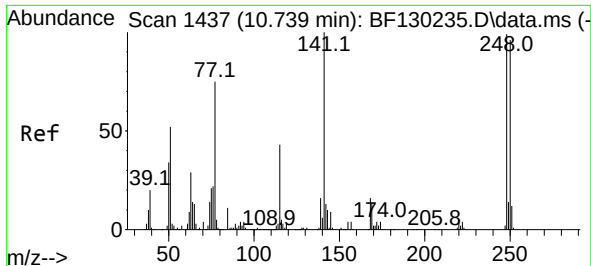
Tgt Ion:198 Resp: 62297
Ion Ratio Lower Upper
198 100
51 59.0 36.9 76.9
105 51.2 33.0 73.0



#66
n-Nitrosodiphenylamine
Concen: 48.537 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:169 Resp: 362084
Ion Ratio Lower Upper
169 100
168 66.9 53.2 79.8
167 36.6 29.2 43.8

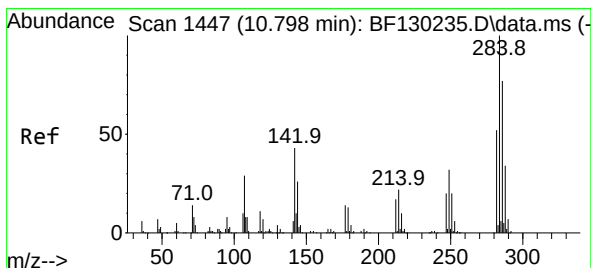
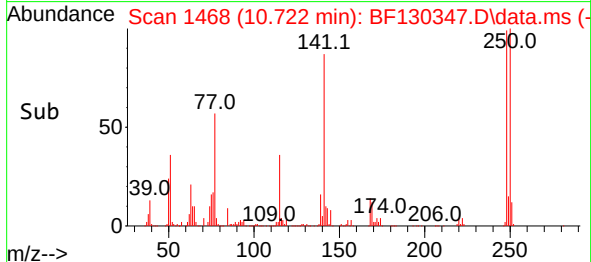
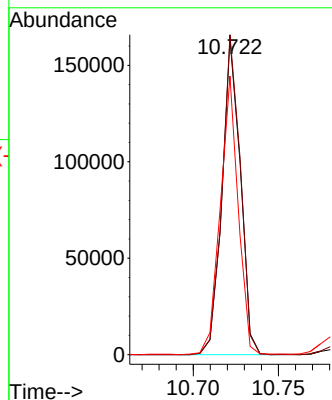
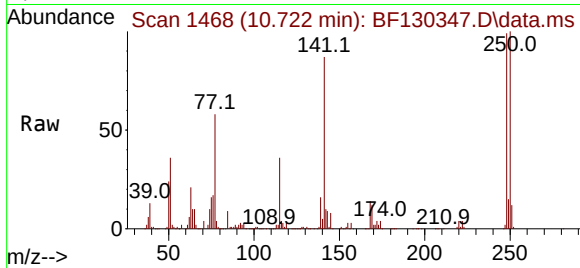




#67
4-Bromophenyl-phenylether
Concen: 49.690 ng
RT: 10.722 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

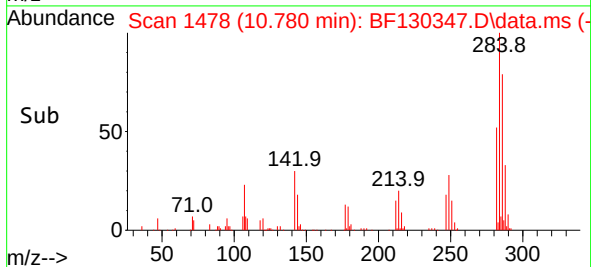
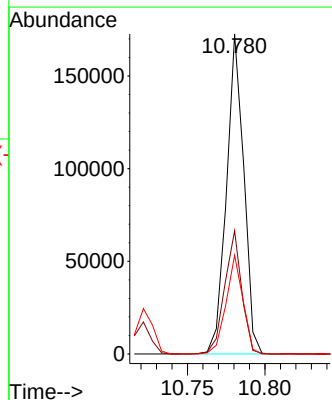
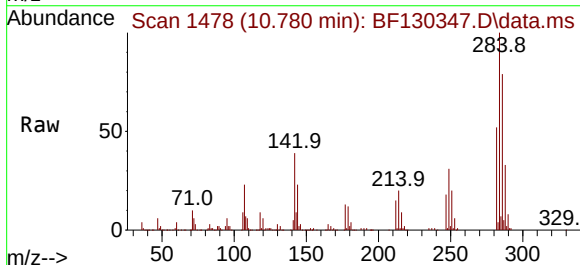
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

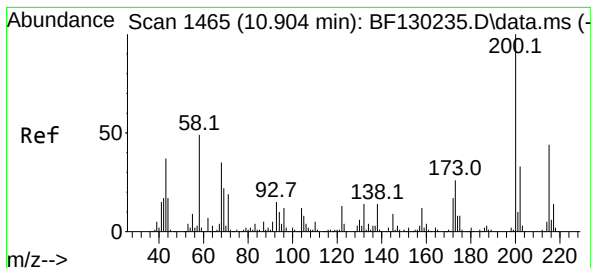
Tgt Ion:248 Resp: 122369
Ion Ratio Lower Upper
248 100
250 101.3 80.0 120.0
141 88.2 68.5 102.7



#68
Hexachlorobenzene
Concen: 48.002 ng
RT: 10.780 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:284 Resp: 134003
Ion Ratio Lower Upper
284 100
142 38.5 27.2 40.8
249 30.9 23.8 35.8





#69

Atrazine

Concen: 48.177 ng

RT: 10.886 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

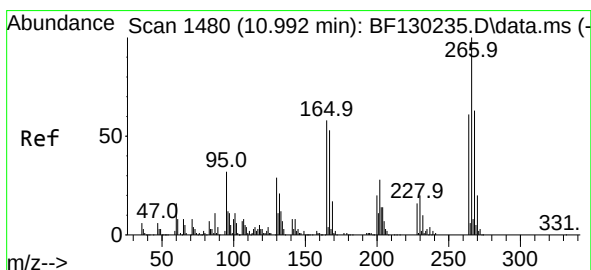
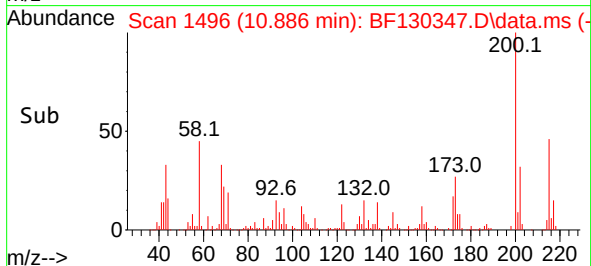
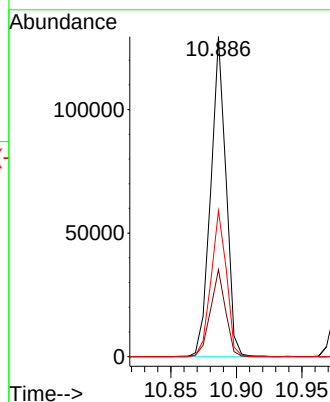
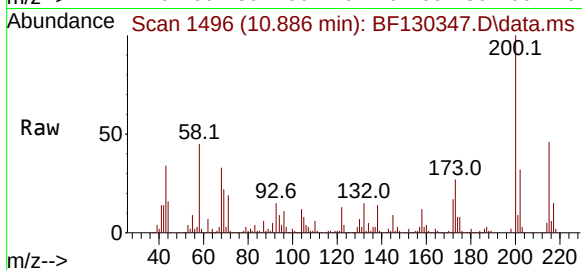
Tgt Ion:200 Resp: 105029

Ion Ratio Lower Upper

200 100

173 27.2 6.2 46.2

215 45.6 22.5 62.5



#70

Pentachlorophenol

Concen: 88.768 ng

RT: 10.980 min Scan# 1512

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

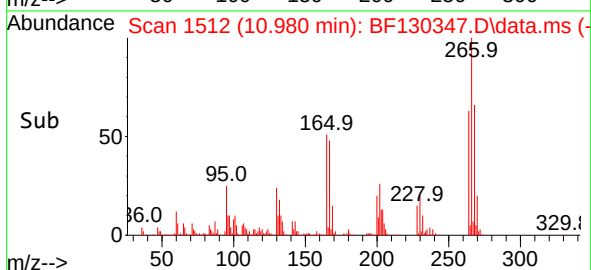
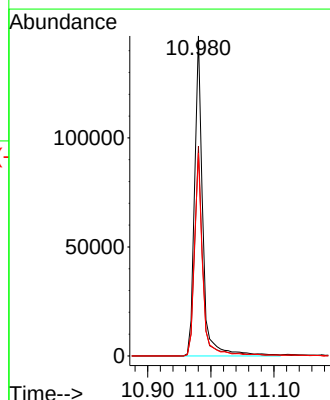
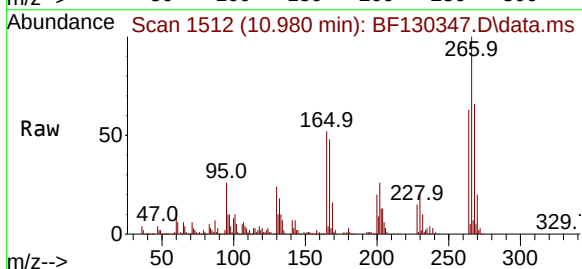
Tgt Ion:266 Resp: 132994

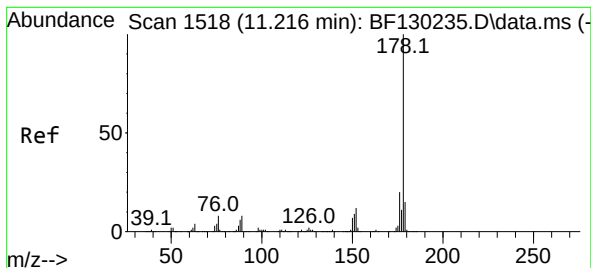
Ion Ratio Lower Upper

266 100

268 65.5 50.5 75.7

264 63.4 50.5 75.7





#71

Phenanthrene

Concen: 49.834 ng

RT: 11.198 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

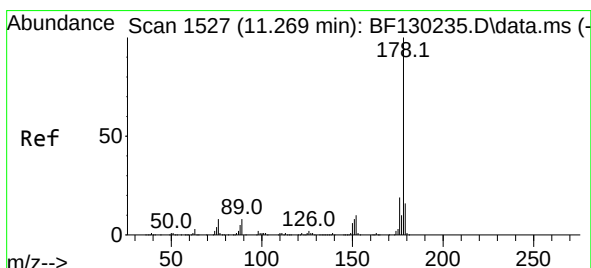
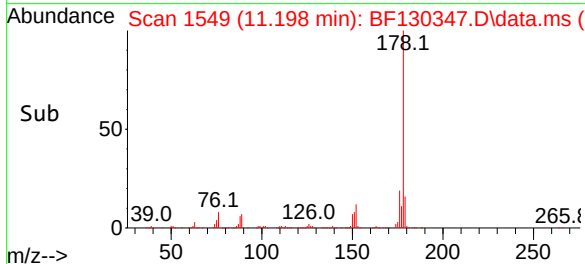
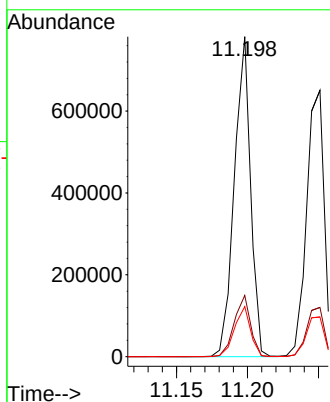
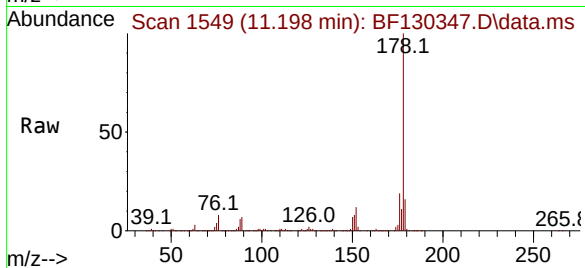
Tgt Ion:178 Resp: 624589

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 46.161 ng

RT: 11.251 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

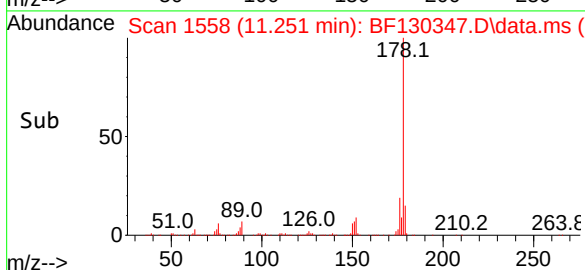
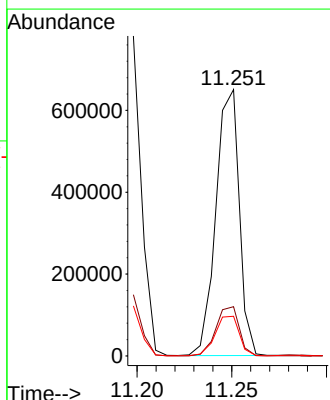
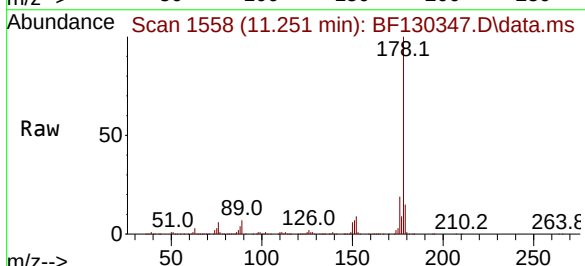
Tgt Ion:178 Resp: 558322

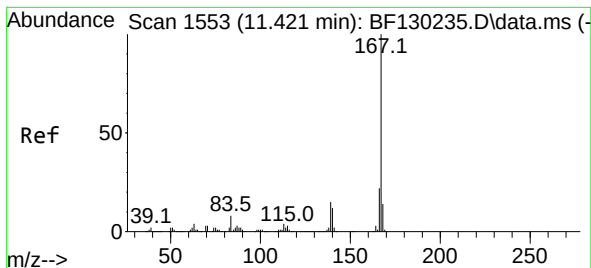
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 14.9 12.7 19.1





#73

Carbazole

Concen: 44.074 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

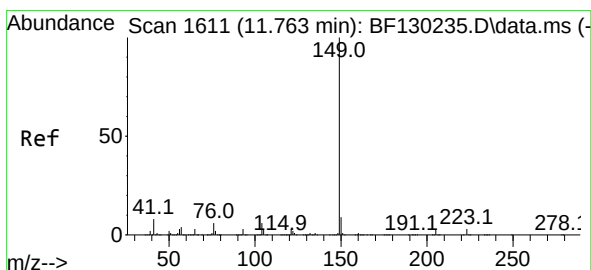
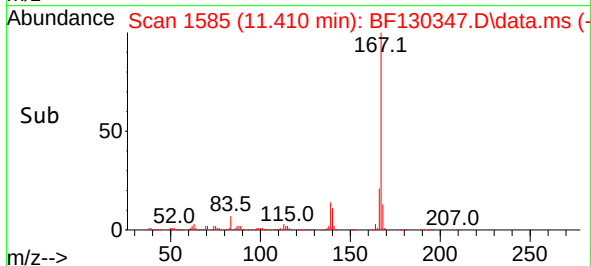
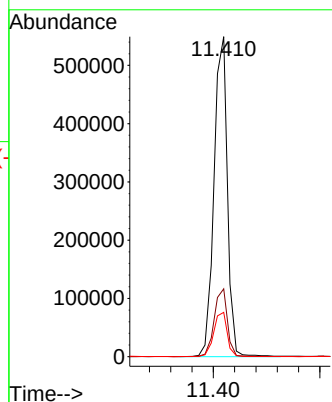
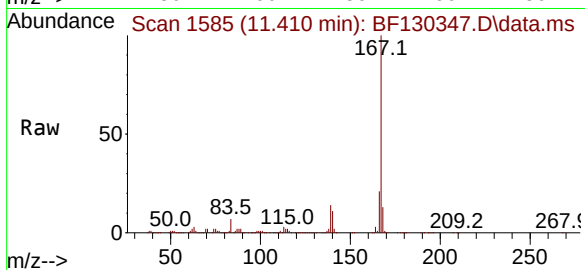
Tgt Ion:167 Resp: 481099

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.2

139 13.9 11.6 17.4



#74

Di-n-butylphthalate

Concen: 46.575 ng

RT: 11.745 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

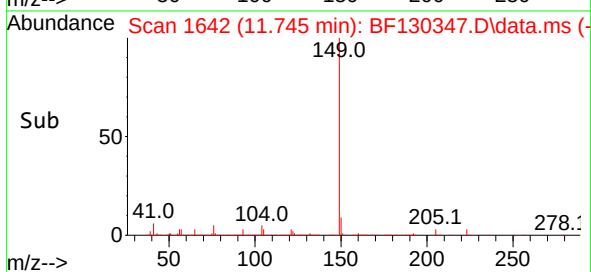
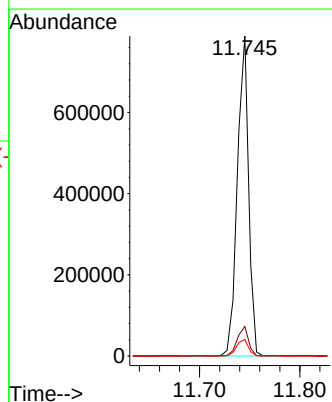
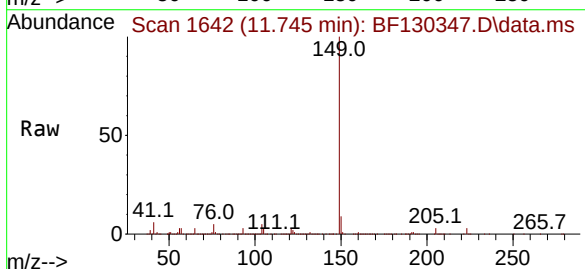
Tgt Ion:149 Resp: 613067

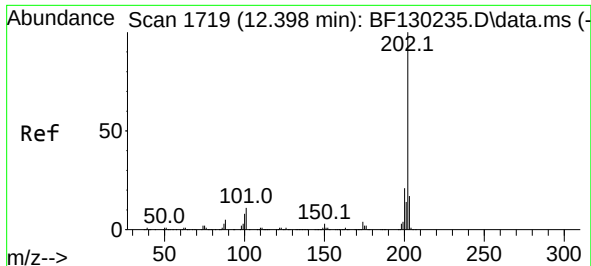
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 5.2 4.8 7.2

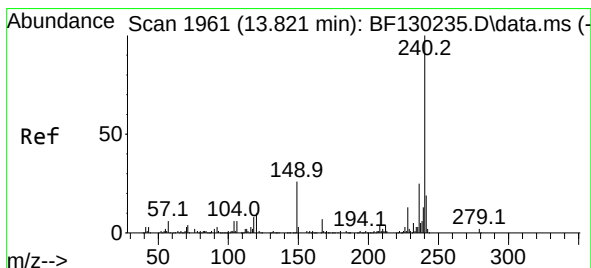
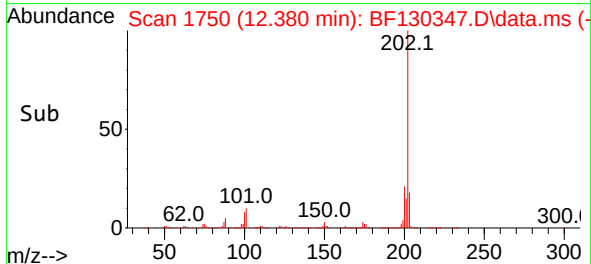
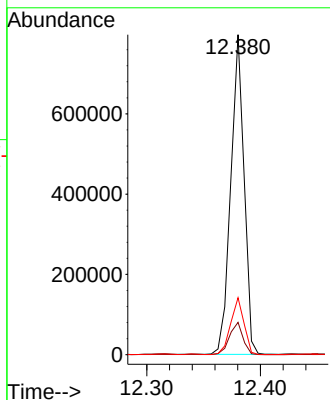
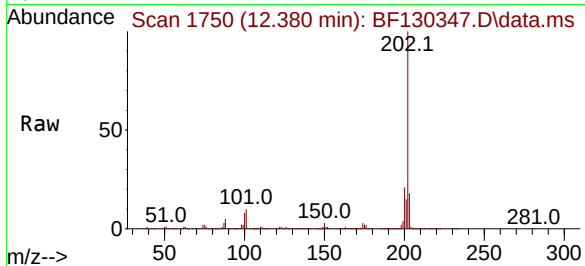




#75
Fluoranthene
Concen: 53.552 ng
RT: 12.380 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

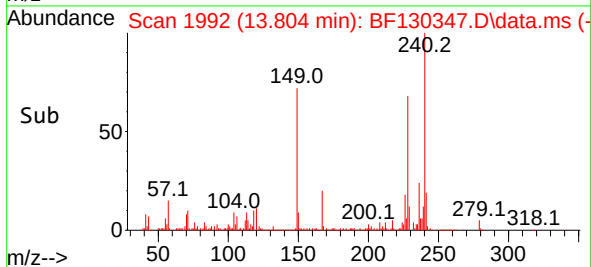
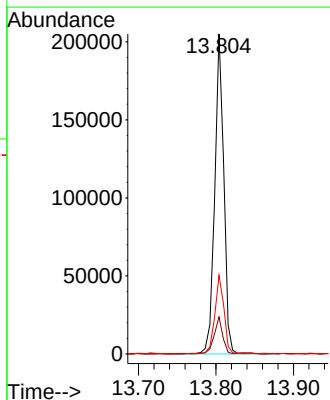
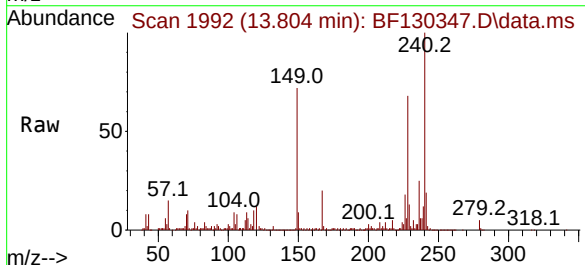
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

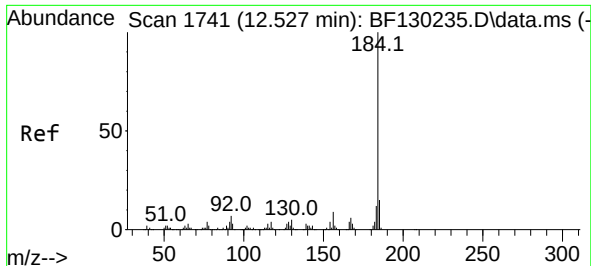
Tgt Ion:202 Resp: 648568
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:240 Resp: 167207
Ion Ratio Lower Upper
240 100
120 11.5 8.7 13.1
236 24.5 20.9 31.3

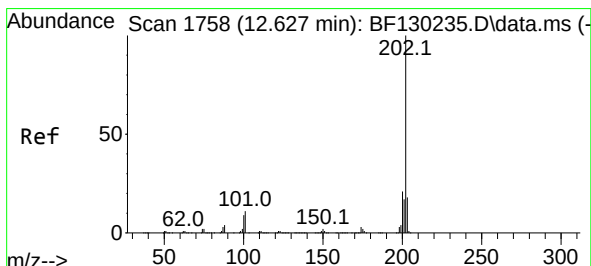
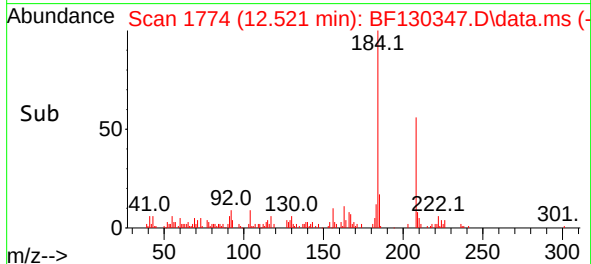
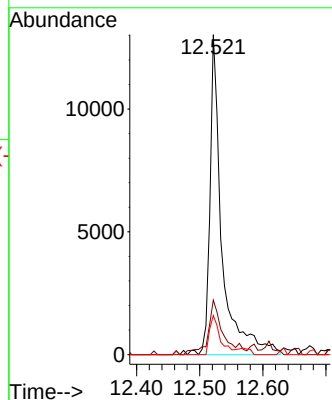
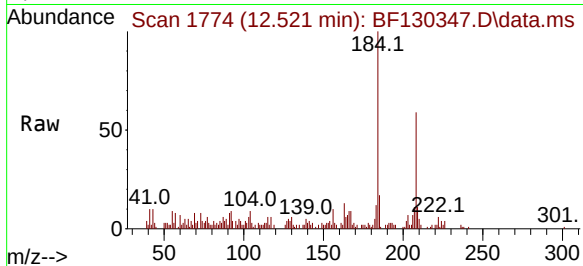




#77
Benzidine
Concen: 3.577 ng
RT: 12.521 min Scan# 1774
Delta R.T. 0.012 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

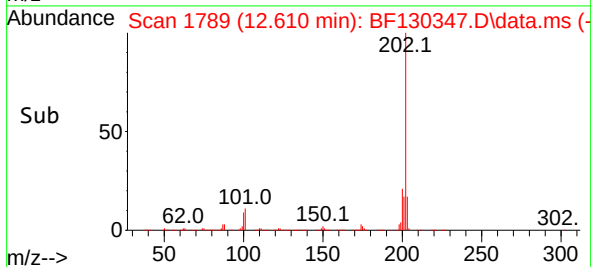
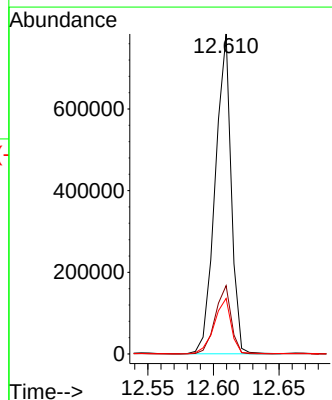
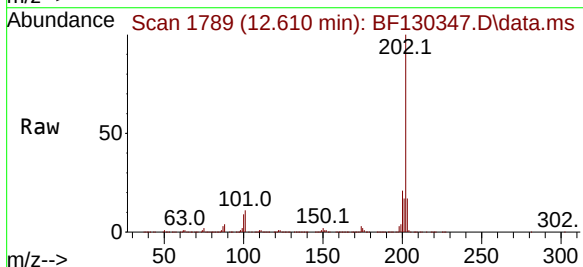
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

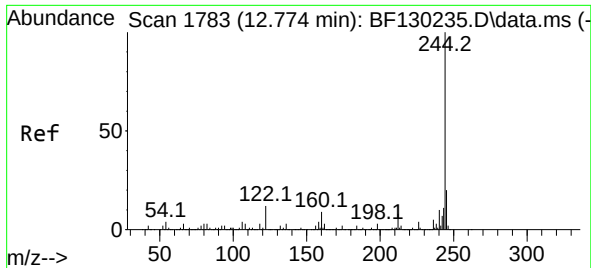
Tgt Ion:184 Resp: 17360
Ion Ratio Lower Upper
184 100
185 17.1 11.8 17.6
183 12.2 9.1 13.7



#78
Pyrene
Concen: 45.234 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:202 Resp: 661647
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.4 14.3 21.5

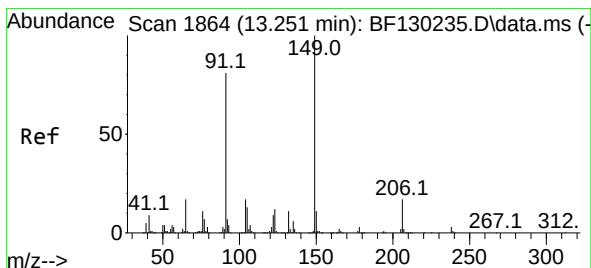
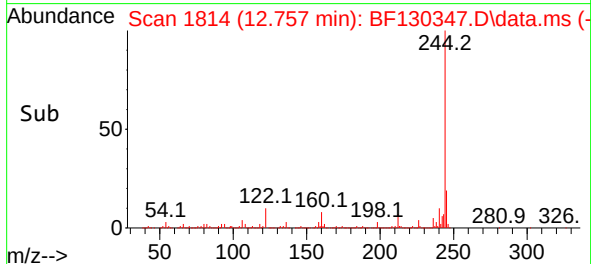
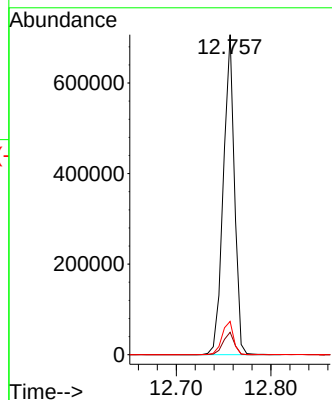
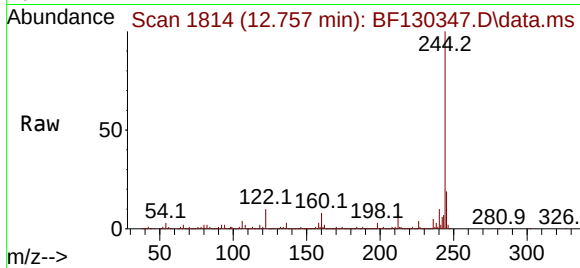




#79
 Terphenyl-d14
 Concen: 57.431 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. 0.000 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

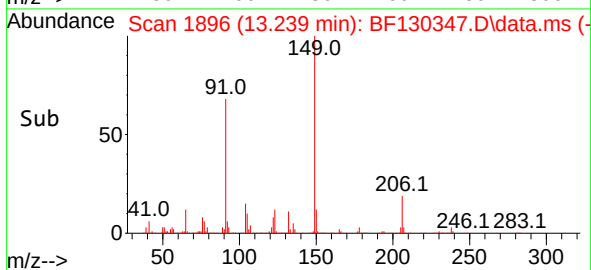
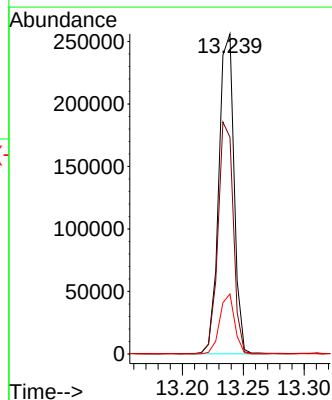
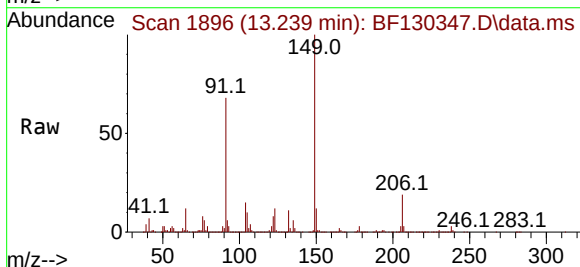
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-SOILMSD

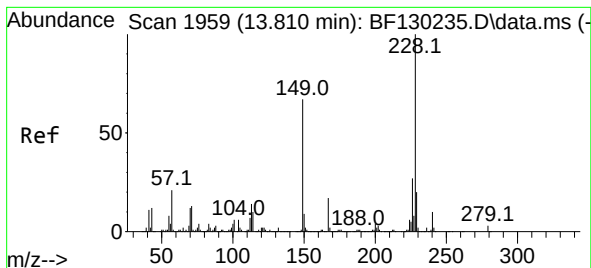
Tgt Ion:244 Resp: 579715
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.4 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 41.200 ng
 RT: 13.239 min Scan# 1896
 Delta R.T. 0.006 min
 Lab File: BF130347.D
 Acq: 20 Sep 2022 16:42

Tgt Ion:149 Resp: 223254
 Ion Ratio Lower Upper
 149 100
 91 67.8 59.8 89.8
 206 18.7 13.9 20.9





#81

Benzo(a)anthracene

Concen: 53.078 ng

RT: 13.792 min Scan# 19

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

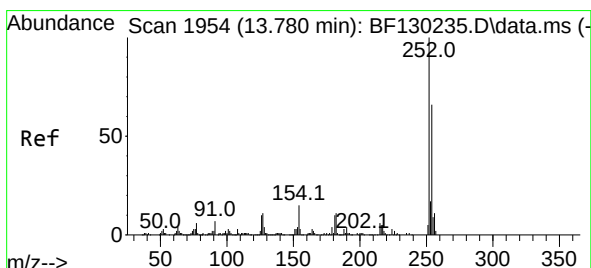
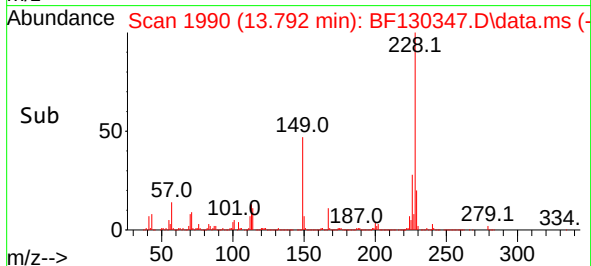
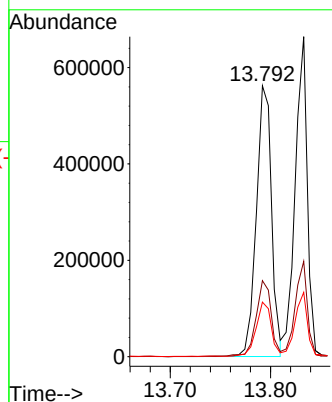
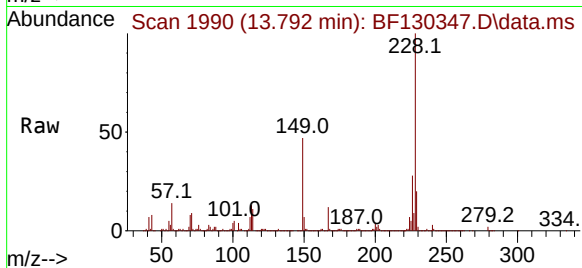
Tgt Ion:228 Resp: 590412

Ion Ratio Lower Upper

228 100

226 28.1 21.9 32.9

229 20.2 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 54.233 ng

RT: 13.763 min Scan# 1985

Delta R.T. 0.000 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

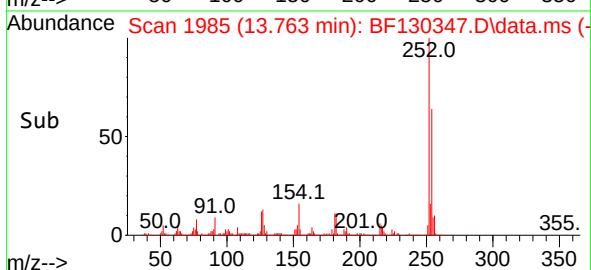
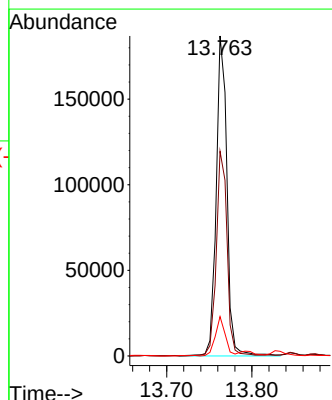
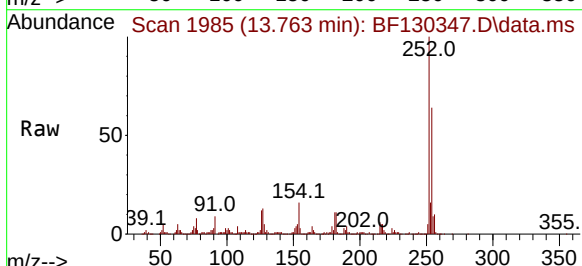
Tgt Ion:252 Resp: 164214

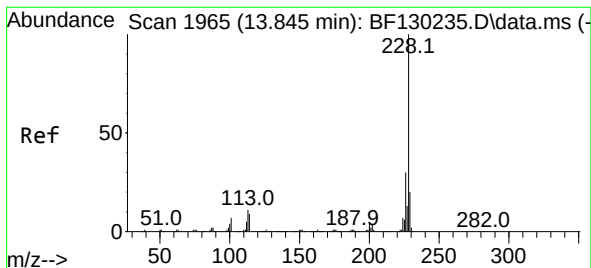
Ion Ratio Lower Upper

252 100

254 63.9 51.1 76.7

126 12.3 10.4 15.6





#83

Chrysene

Concen: 52.569 ng

RT: 13.833 min Scan# 1997

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

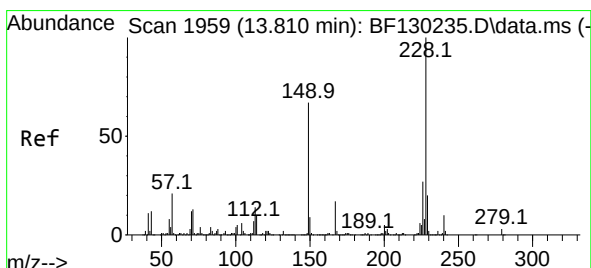
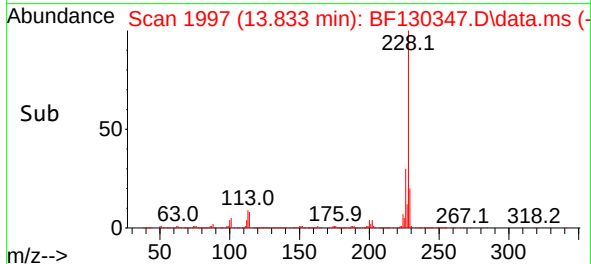
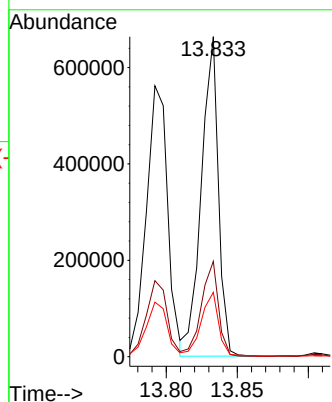
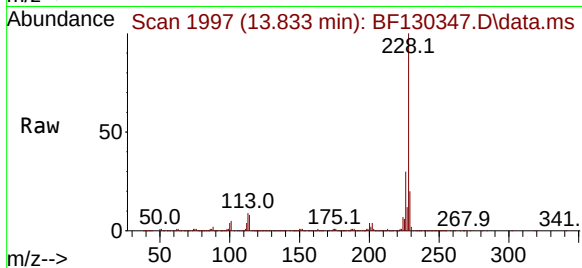
Tgt Ion:228 Resp: 555222

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 20.1 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.316 ng

RT: 13.798 min Scan# 1991

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

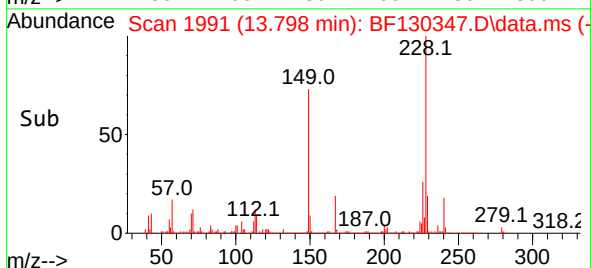
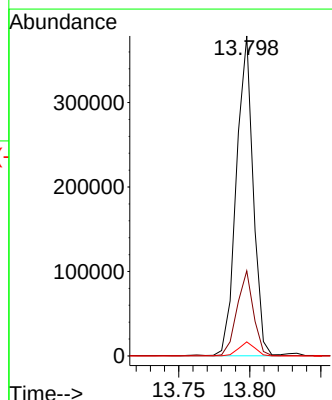
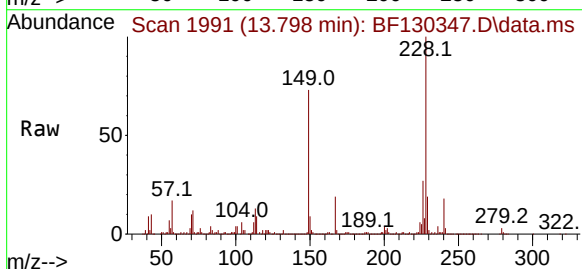
Tgt Ion:149 Resp: 312306

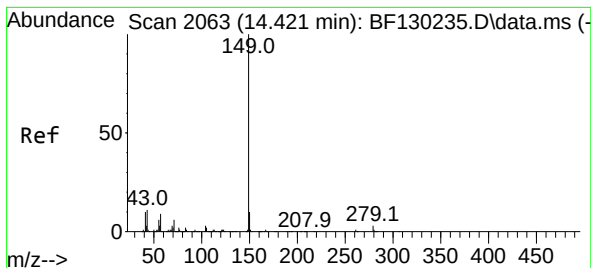
Ion Ratio Lower Upper

149 100

167 26.6 20.5 30.7

279 4.4 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 57.174 ng

RT: 14.410 min Scan# 2063

Delta R.T. 0.006 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

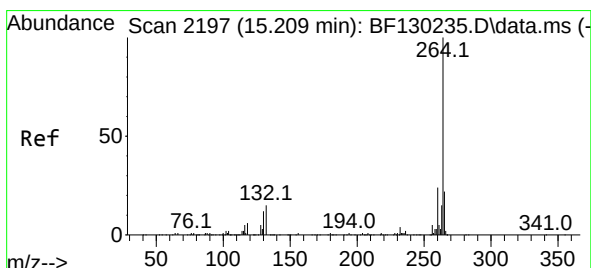
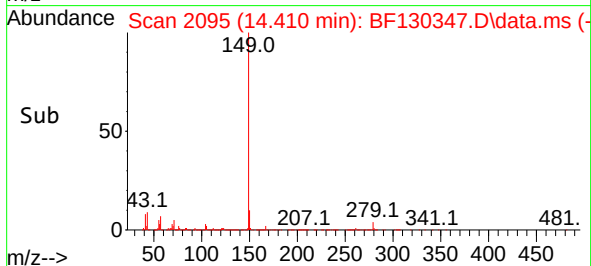
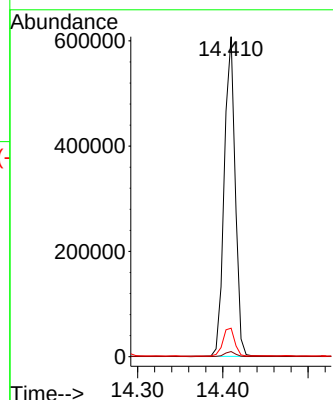
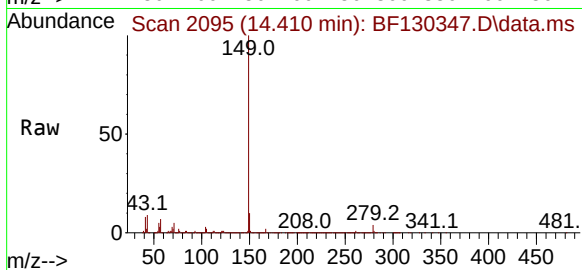
Tgt Ion:149 Resp: 542781

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 9.5 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.198 min Scan# 2229

Delta R.T. 0.012 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

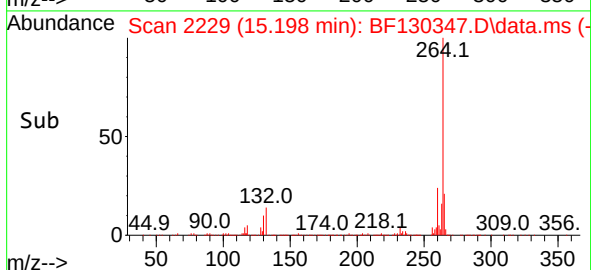
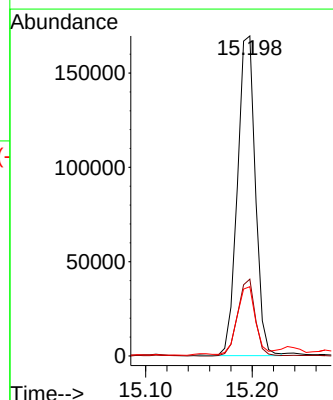
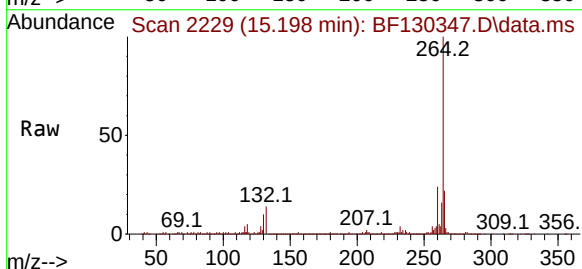
Tgt Ion:264 Resp: 198240

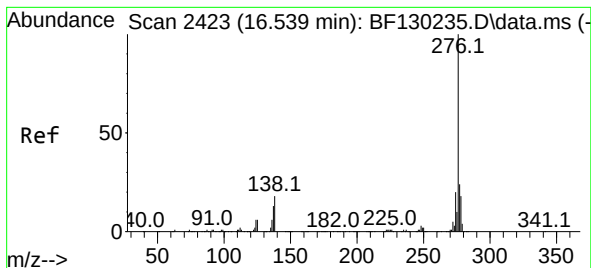
Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.474 ng

RT: 16.527 min Scan# 24

Delta R.T. 0.018 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

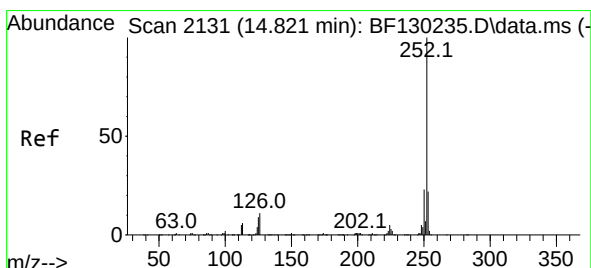
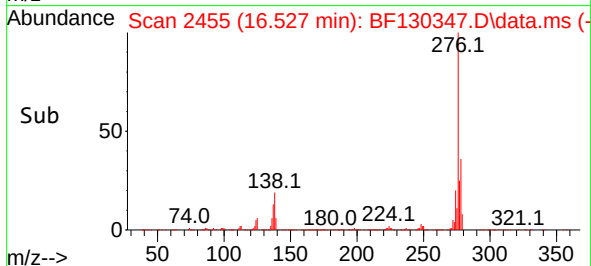
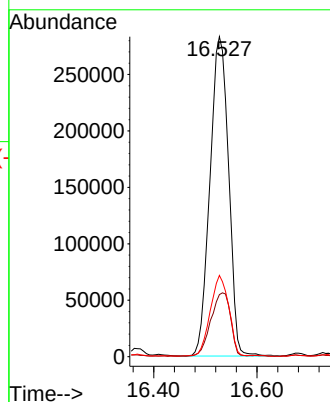
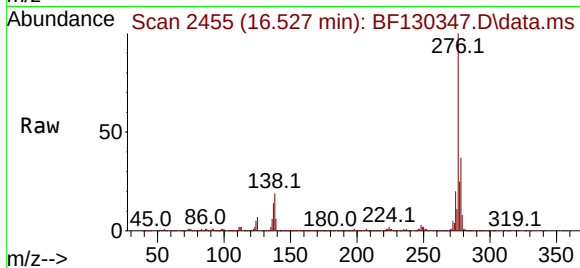
Tgt Ion:276 Resp: 709567

Ion Ratio Lower Upper

276 100

138 20.9 18.5 27.7

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 56.087 ng

RT: 14.810 min Scan# 2163

Delta R.T. 0.012 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

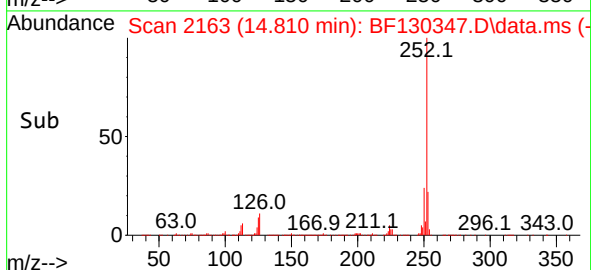
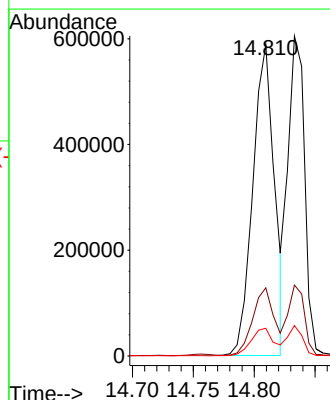
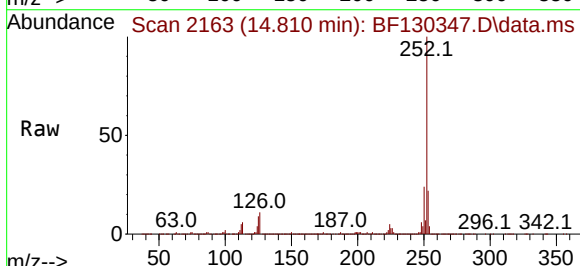
Tgt Ion:252 Resp: 725710

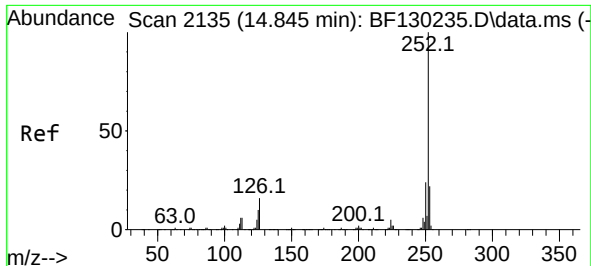
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 8.9 8.1 12.1

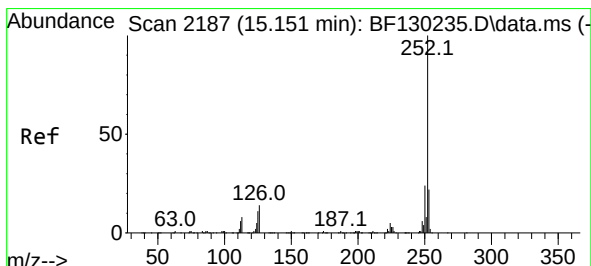
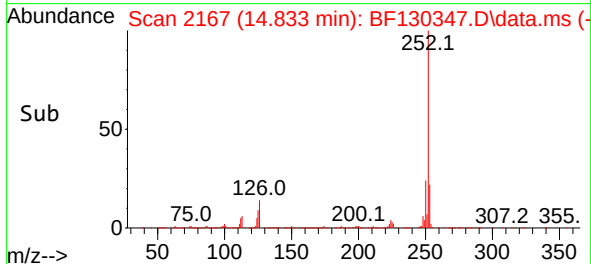
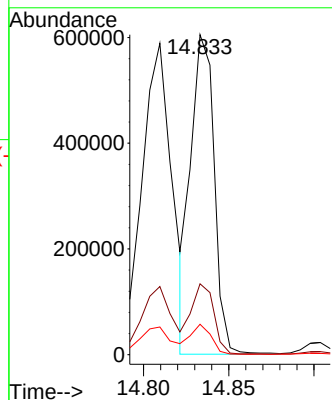
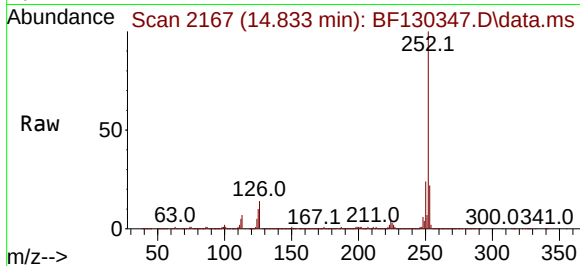




#89
Benzo(k)fluoranthene
Concen: 45.358 ng
RT: 14.833 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

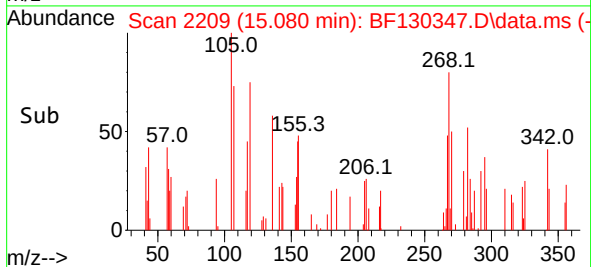
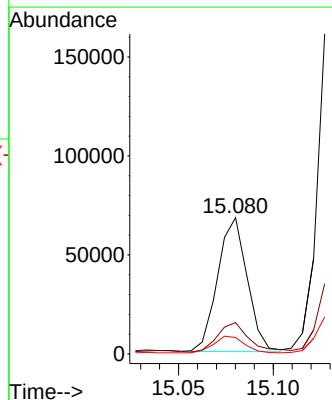
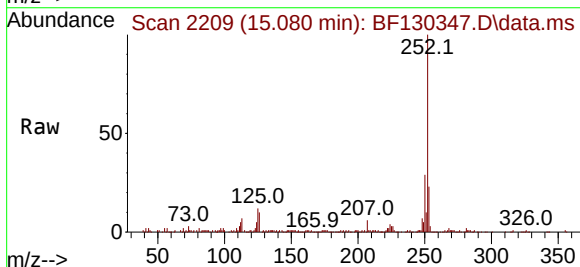
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

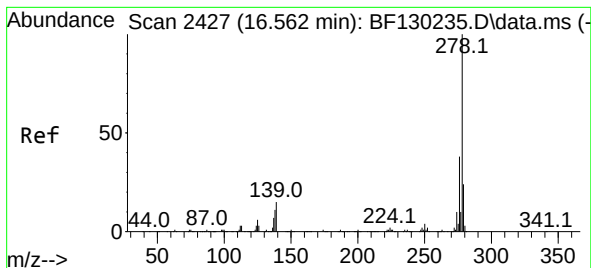
Tgt Ion:252 Resp: 577317
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.5 7.9 11.9



#90
Benzo(a)pyrene
Concen: 7.170 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.053 min
Lab File: BF130347.D
Acq: 20 Sep 2022 16:42

Tgt Ion:252 Resp: 73495
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 12.1 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 49.885 ng

RT: 16.545 min Scan# 2427

Delta R.T. 0.018 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOILMSD

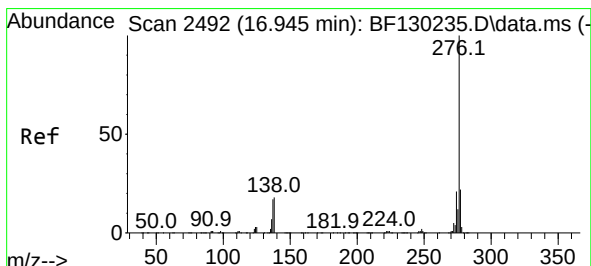
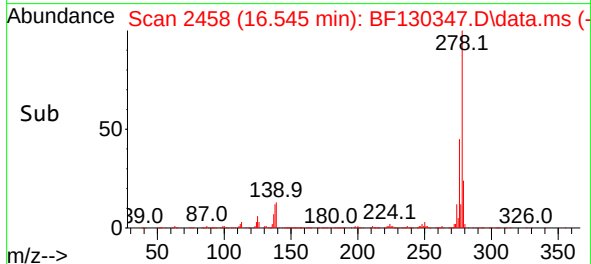
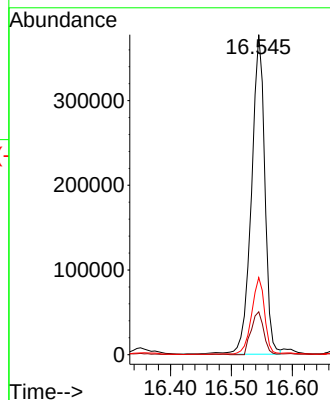
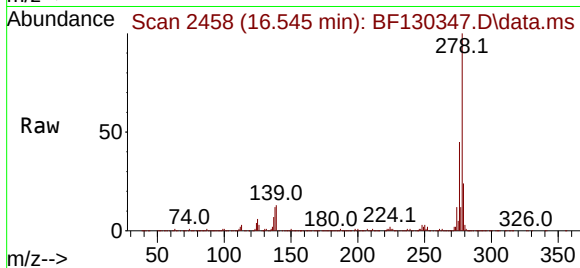
Tgt Ion:278 Resp: 575306

Ion Ratio Lower Upper

278 100

139 13.4 11.8 17.8

279 24.1 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 51.280 ng

RT: 16.933 min Scan# 2524

Delta R.T. 0.024 min

Lab File: BF130347.D

Acq: 20 Sep 2022 16:42

Tgt Ion:276 Resp: 595734

Ion Ratio Lower Upper

276 100

277 23.5 18.6 27.8

138 18.2 14.6 21.8

