

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
 Data File : BF121965.D
 Acq On : 14 Oct 2020 19:07
 Operator : JU/CG
 Sample : L4383-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BB-SOILMSD

Quant Time: Oct 15 01:22:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	126398	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	495611	20.00	ng	0.00
39) Acenaphthene-d10	9.780	164	253300	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	476685	20.00	ng	-0.01
76) Chrysene-d12	13.910	240	357241	20.00	ng	0.00
86) Perylene-d12	15.339	264	277023	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	686785	80.19	ng	0.00
7) Phenol-d6	6.392	99	882150	80.02	ng	0.00
23) Nitrobenzene-d5	7.310	82	604133	62.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	244865	78.15	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1035092	60.13	ng	0.00
79) Terphenyl-d14	12.845	244	1090099	58.15	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.504	88	147145	39.07	ng	99
3) Pyridine	3.228	79	420166	42.43	ng	99
4) n-Nitrosodimethylamine	3.193	42	209975	43.87	ng	100
6) Aniline	6.410	93	278260	20.50	ng	# 14
8) 2-Chlorophenol	6.534	128	378775	43.76	ng	96
9) Benzaldehyde	6.292	77	200394	30.38	ng	98
10) Phenol	6.404	94	479840	42.18	ng	98
11) bis(2-Chloroethyl)ether	6.481	93	375844	42.73	ng	99
12) 1,3-Dichlorobenzene	6.681	146	404190	41.51	ng	99
13) 1,4-Dichlorobenzene	6.757	146	407698	41.71	ng	99
14) 1,2-Dichlorobenzene	6.910	146	381283	42.67	ng	97
15) Benzyl Alcohol	6.898	79	328013	46.00	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.022	45	558143	41.24	ng	71
17) 2-Methylphenol	7.016	107	308835	41.73	ng	# 90
18) Hexachloroethane	7.251	117	149634	42.38	ng	96
19) n-Nitroso-di-n-propyla...	7.163	70	266631	42.48	ng	100
20) 3+4-Methylphenols	7.169	107	392670	44.00	ng	# 69
22) Acetophenone	7.157	105	506494	39.72	ng	# 92
24) Nitrobenzene	7.333	77	417341	40.40	ng	97
25) Isophorone	7.575	82	735508	40.25	ng	99
26) 2-Nitrophenol	7.645	139	198907	41.81	ng	93
27) 2,4-Dimethylphenol	7.692	122	329896	40.68	ng	98
28) bis(2-Chloroethoxy)met...	7.781	93	458934	40.14	ng	99
29) 2,4-Dichlorophenol	7.898	162	313121	41.24	ng	96
30) 1,2,4-Trichlorobenzene	7.969	180	323733	40.09	ng	98
31) Naphthalene	8.051	128	1061513	39.98	ng	100
32) Benzoic acid	7.816	122	45256	15.89	ng	93
33) 4-Chloroaniline	8.104	127	162679	14.38	ng	97
34) Hexachlorobutadiene	8.163	225	192217	40.15	ng	100
35) Caprolactam	8.486	113	64231	26.63	ng	97
36) 4-Chloro-3-methylphenol	8.604	107	336939	41.31	ng	97
37) 2-Methylnaphthalene	8.739	142	690948	40.18	ng	99
38) 1-Methylnaphthalene	8.839	142	635688	39.92	ng	100
40) 1,2,4,5-Tetrachloroben...	8.910	216	322035	39.39	ng	100
41) Hexachlorocyclopentadiene	8.892	237	175292	71.17	ng	99
43) 2,4,6-Trichlorophenol	9.027	196	203880	40.42	ng	99

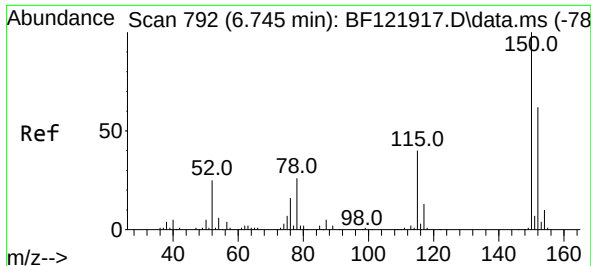
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.075	196	220941	40.56	ng	97
46) 1,1'-Biphenyl	9.204	154	819395	39.78	ng	99
47) 2-Chloronaphthalene	9.227	162	645623	40.31	ng	100
48) 2-Nitroaniline	9.333	65	227200	43.00	ng	99
49) Acenaphthylene	9.645	152	992665	40.35	ng	100
50) Dimethylphthalate	9.510	163	847024	45.73	ng	99
51) 2,6-Dinitrotoluene	9.575	165	171916	42.31	ng	99
52) Acenaphthene	9.816	154	589461	40.28	ng	99
53) 3-Nitroaniline	9.745	138	99560	21.55	ng	97
54) 2,4-Dinitrophenol	9.869	184	70502	39.00	ng	98
55) Dibenzofuran	9.986	168	844972	39.49	ng	98
56) 4-Nitrophenol	9.927	139	181704	72.29	ng	# 80
57) 2,4-Dinitrotoluene	9.986	165	211381	42.26	ng	# 89
58) Fluorene	10.327	166	694283	40.27	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.116	232	176992	41.99	ng	96
60) Diethylphthalate	10.204	149	736503	41.24	ng	99
61) 4-Chlorophenyl-phenyle...	10.322	204	329941	39.91	ng	99
62) 4-Nitroaniline	10.363	138	185311	40.14	ng	94
63) Azobenzene	10.480	77	773006	40.93	ng	99
65) 4,6-Dinitro-2-methylph...	10.398	198	87190	29.21	ng	98
66) n-Nitrosodiphenylamine	10.445	169	655284	39.91	ng	99
67) 4-Bromophenyl-phenylether	10.810	248	221609	40.24	ng	98
68) Hexachlorobenzene	10.880	284	250560	40.20	ng	93
69) Atrazine	10.969	200	178260	44.40	ng	100
70) Pentachlorophenol	11.080	266	132070	56.48	ng	98
71) Phenanthrene	11.292	178	1038545	39.73	ng	100
72) Anthracene	11.345	178	1071919	39.54	ng	100
73) Carbazole	11.504	167	992101	41.16	ng	99
74) Di-n-butylphthalate	11.827	149	1110794	40.06	ng	99
75) Fluoranthene	12.480	202	1120253	39.97	ng	98
77) Benzidine	12.604	184	363893	33.04	ng	99
78) Pyrene	12.710	202	1145608	42.08	ng	99
80) Butylbenzylphthalate	13.321	149	474285	43.93	ng	99
81) Benzo(a)anthracene	13.898	228	959586	40.99	ng	100
82) 3,3'-Dichlorobenzidine	13.857	252	175733	20.24	ng	99
83) Chrysene	13.933	228	931324	40.52	ng	100
84) Bis(2-ethylhexyl)phtha...	13.880	149	621747	42.42	ng	99
85) Di-n-octyl phthalate	14.492	149	993484	41.90	ng	100
87) Indeno(1,2,3-cd)pyrene	16.762	276	828995	46.09	ng	99
88) Benzo(b)fluoranthene	14.933	252	854405	45.63	ng	99
89) Benzo(k)fluoranthene	14.957	252	728864	40.97	ng	99
90) Benzo(a)pyrene	15.280	252	700071	43.29	ng	98
91) Dibenzo(a,h)anthracene	16.768	278	680828	45.97	ng	98
92) Benzo(g,h,i)perylene	17.180	276	709881	47.89	ng	99

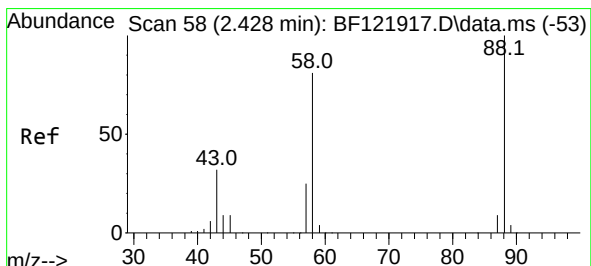
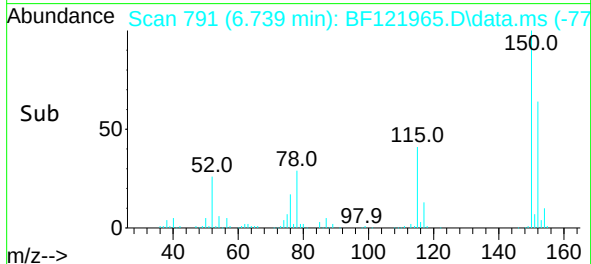
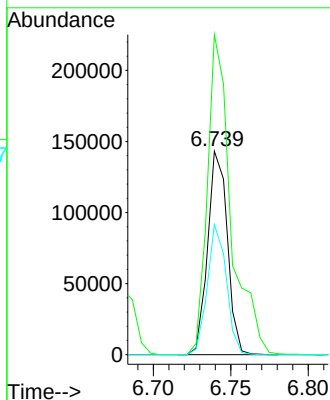
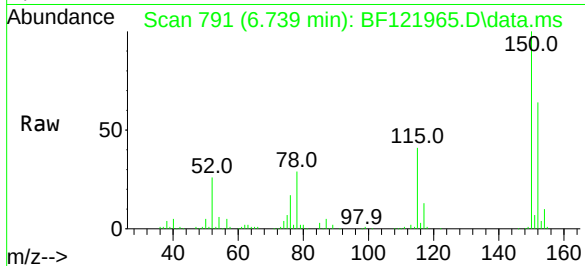
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF121965.D
 Acq: 14 Oct 2020 19:07

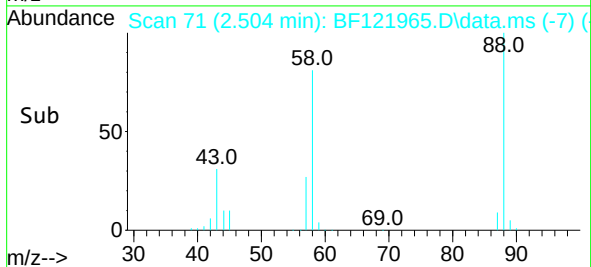
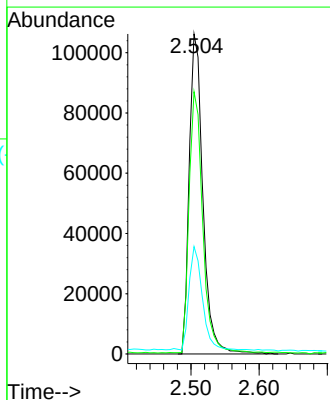
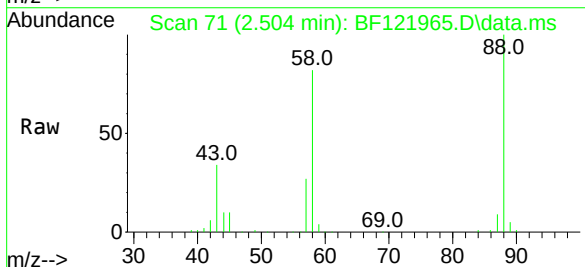
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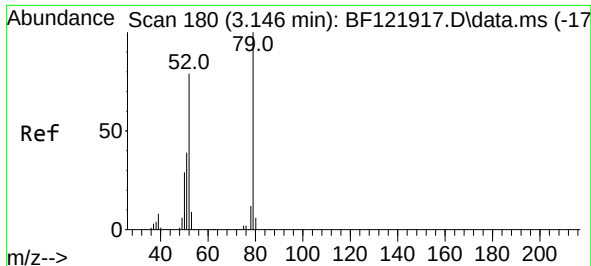
Tgt Ion:152 Resp: 126398
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.3 187.9
 115 63.9 51.9 77.9



#2
 1,4-Dioxane
 Concen: 39.07 ng
 RT: 2.504 min Scan# 71
 Delta R.T. 0.076 min
 Lab File: BF121965.D
 Acq: 14 Oct 2020 19:07

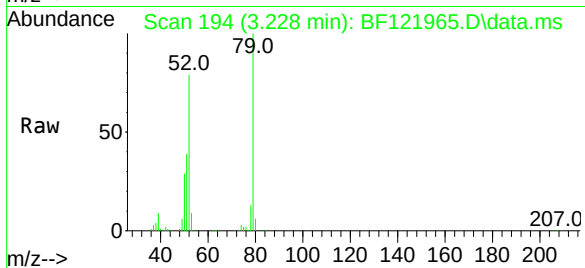
Tgt Ion: 88 Resp: 147145
 Ion Ratio Lower Upper
 88 100
 58 81.2 65.8 98.8
 43 31.8 25.8 38.8



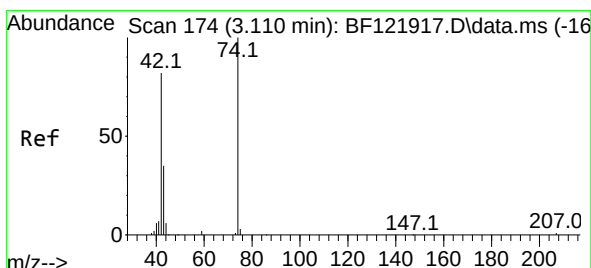
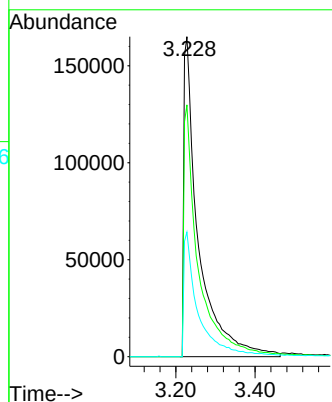
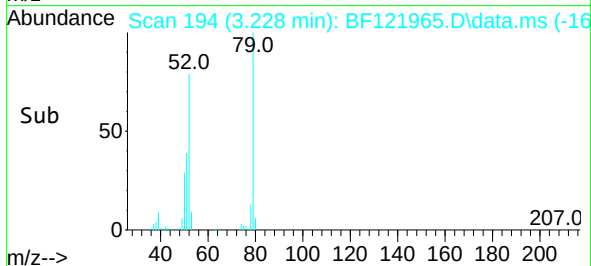


#3
Pyridine
Concen: 42.43 ng
RT: 3.228 min Scan# 194
Delta R.T. 0.082 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

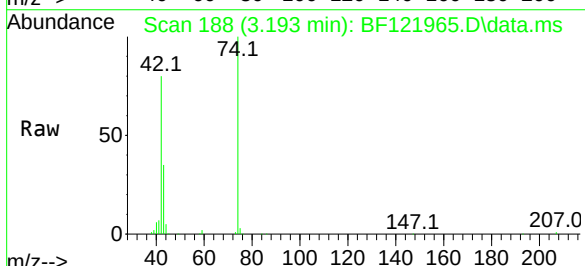
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ClientSampleId :
BB-SOILMSD



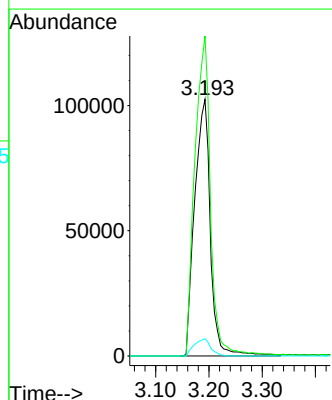
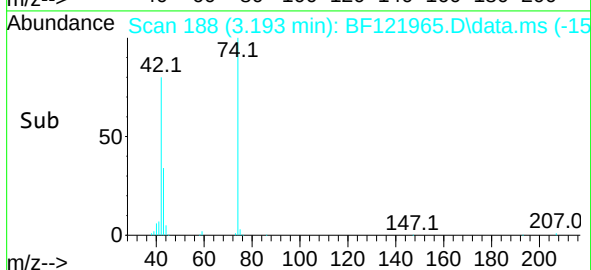
Tgt Ion: 79 Resp: 420166
Ion Ratio Lower Upper
79 100
52 78.7 62.2 93.4
51 38.9 31.1 46.7

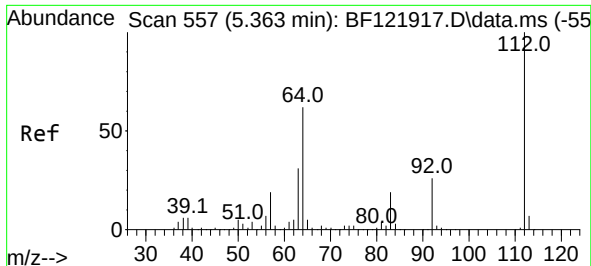


#4
n-Nitrosodimethylamine
Concen: 43.87 ng
RT: 3.193 min Scan# 188
Delta R.T. 0.082 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07



Tgt Ion: 42 Resp: 209975
Ion Ratio Lower Upper
42 100
74 124.7 100.2 150.2
44 6.8 5.8 8.6

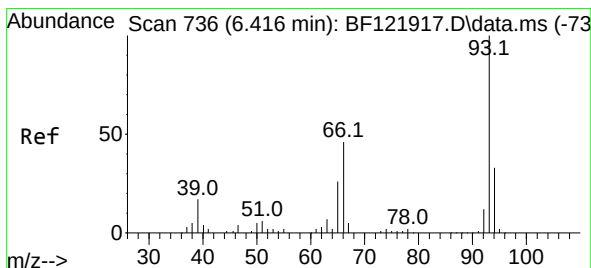
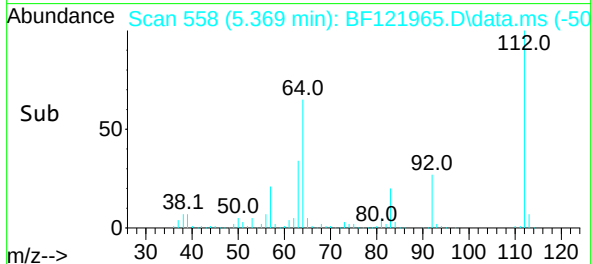
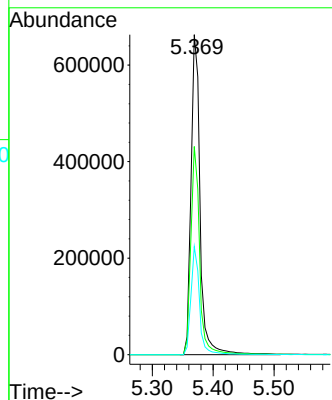
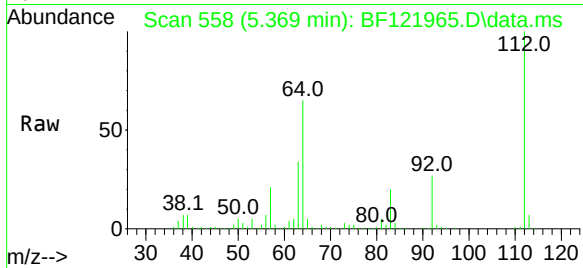




#5
2-Fluorophenol
Concen: 80.19 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

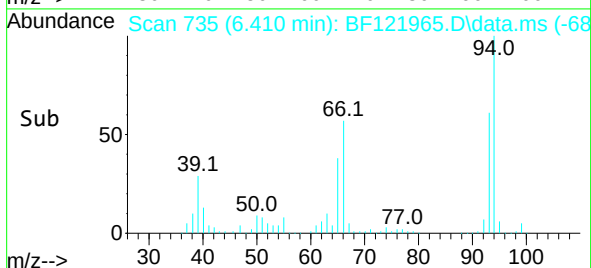
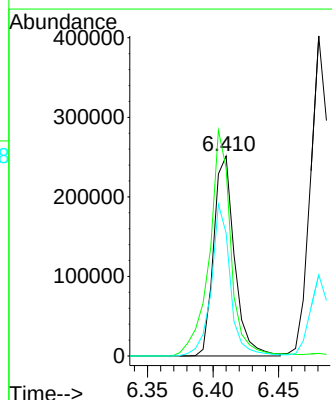
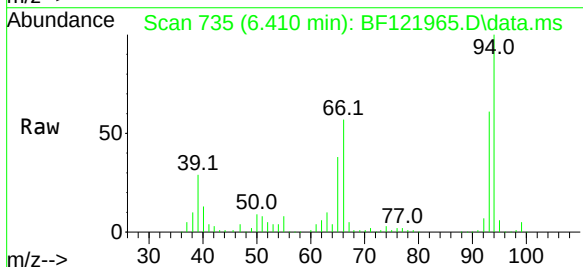
Instrument :
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ClientSampleId :
BB-SOILMSD

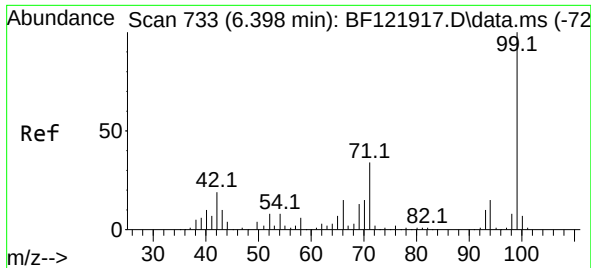
Tgt Ion:112 Resp: 686785
Ion Ratio Lower Upper
112 100
64 65.0 50.4 75.6
63 33.8 25.8 38.6



#6
Aniline
Concen: 20.50 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 93 Resp: 278260
Ion Ratio Lower Upper
93 100
66 94.0 32.7 49.1#
65 61.4 16.6 24.8#

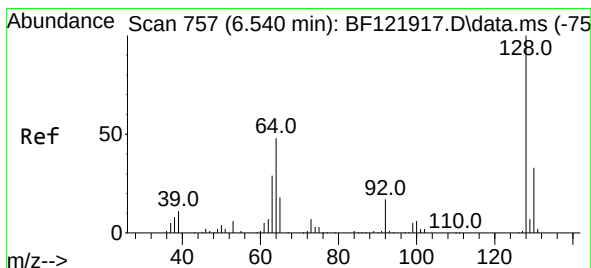
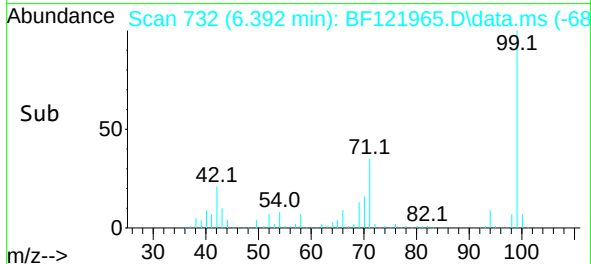
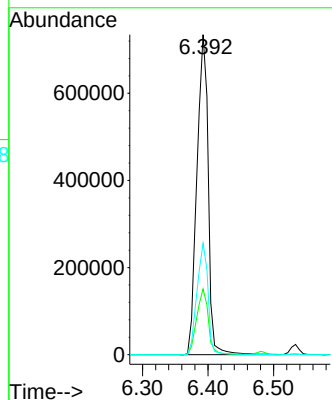
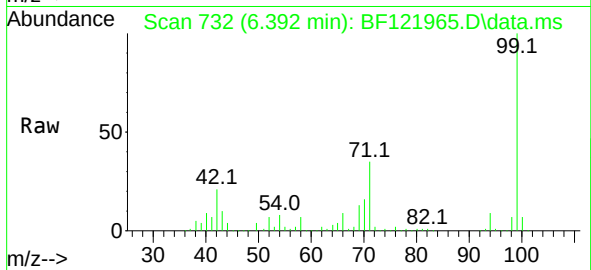




#7
Phenol-d6
Concen: 80.02 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

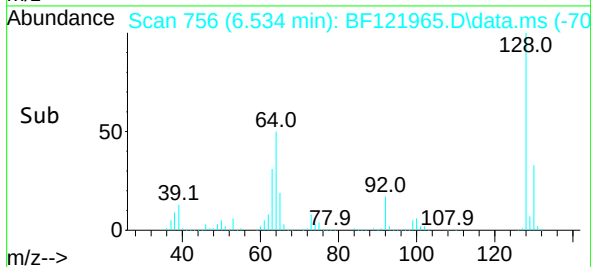
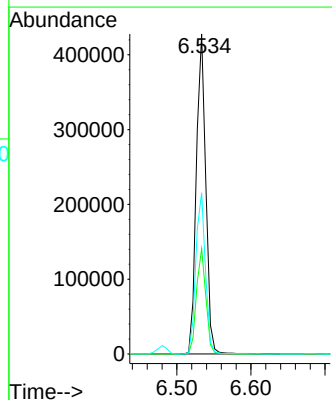
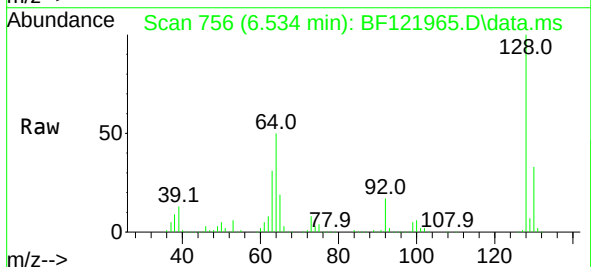
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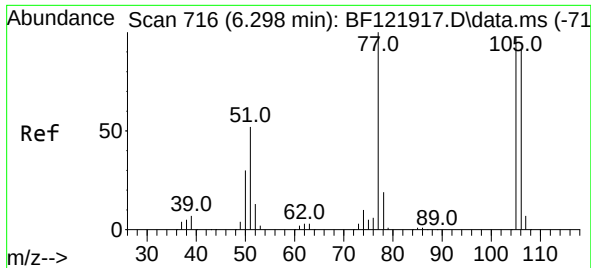
Tgt Ion: 99 Resp: 882150
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 34.8 27.1 40.7



#8
2-Chlorophenol
Concen: 43.76 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 128 Resp: 378775
Ion Ratio Lower Upper
128 100
130 32.9 12.4 52.4
64 50.3 34.8 74.8

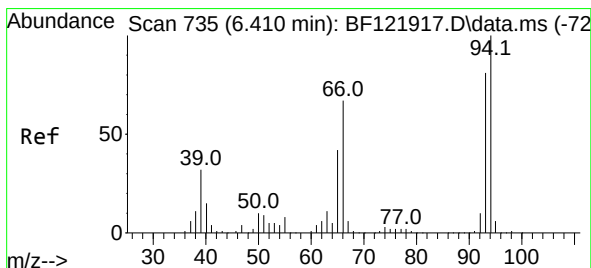
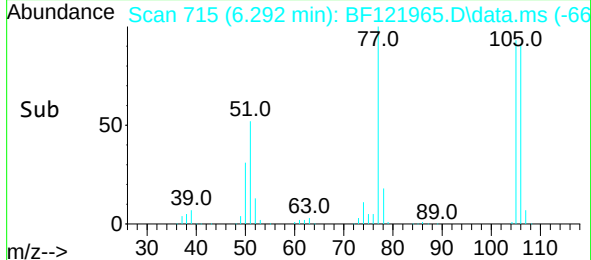
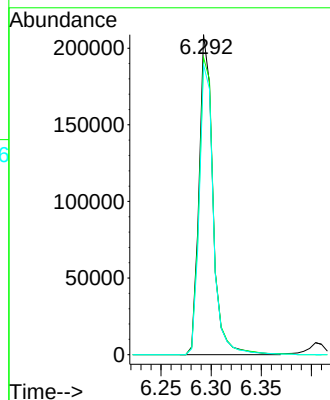
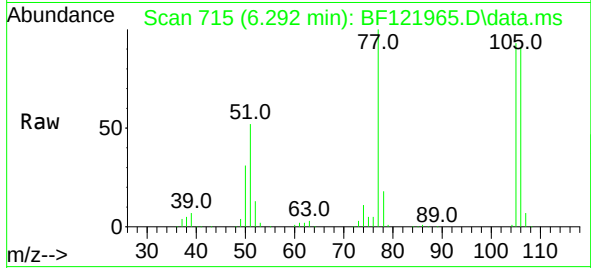




#9
Benzaldehyde
Concen: 30.38 ng
RT: 6.292 min Scan# 715
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

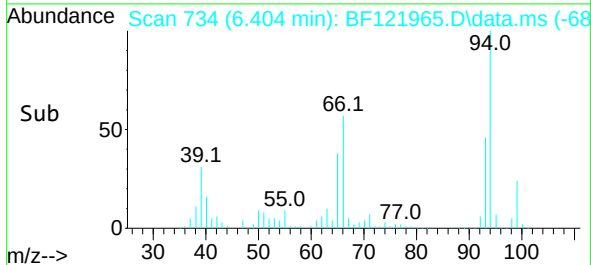
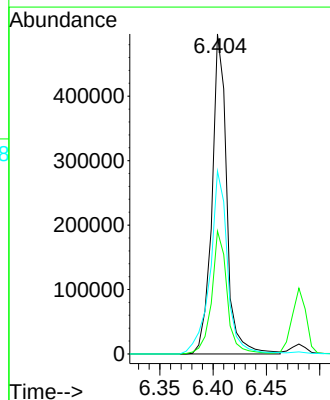
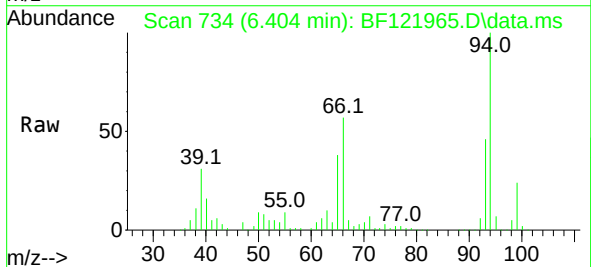
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

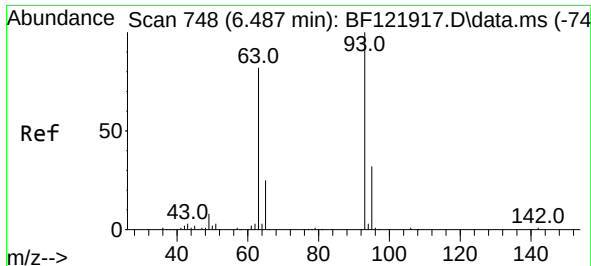
Tgt Ion: 77 Resp: 200394
Ion Ratio Lower Upper
77 100
105 92.8 76.7 116.7
106 90.6 71.3 111.3



#10
Phenol
Concen: 42.18 ng
RT: 6.404 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 94 Resp: 479840
Ion Ratio Lower Upper
94 100
65 38.4 17.1 57.1
66 57.1 36.0 76.0

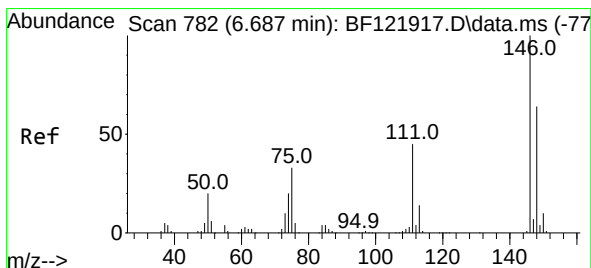
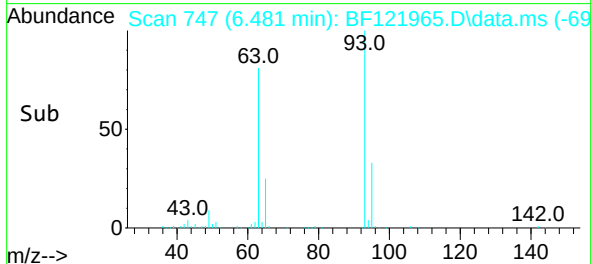
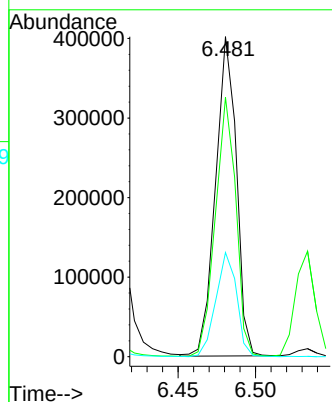
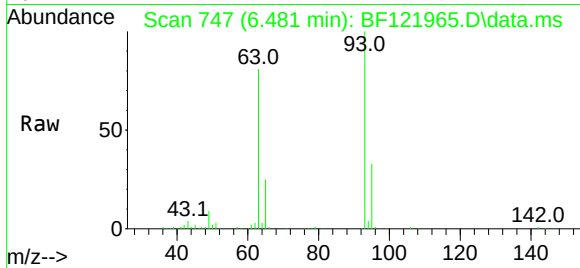




#11
bis(2-Chloroethyl)ether
Concen: 42.73 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

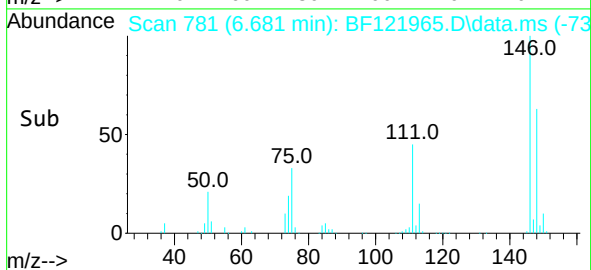
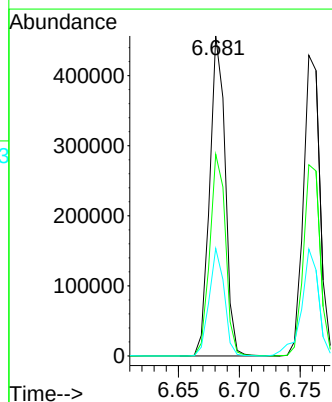
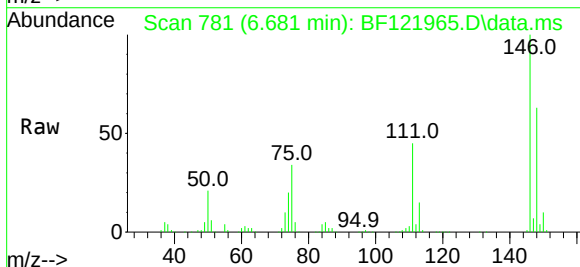
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

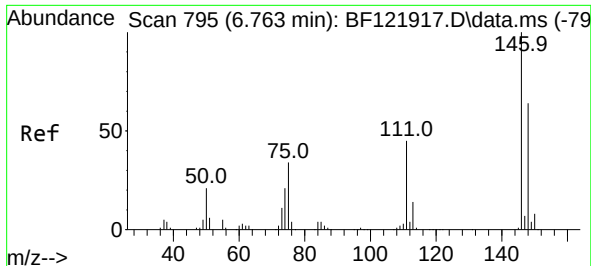
Tgt Ion: 93 Resp: 375844
Ion Ratio Lower Upper
93 100
63 81.1 62.4 102.4
95 32.5 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 41.51 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 146 Resp: 404190
Ion Ratio Lower Upper
146 100
148 63.0 51.0 76.4
75 33.6 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 41.71 ng

RT: 6.757 min Scan# 794

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

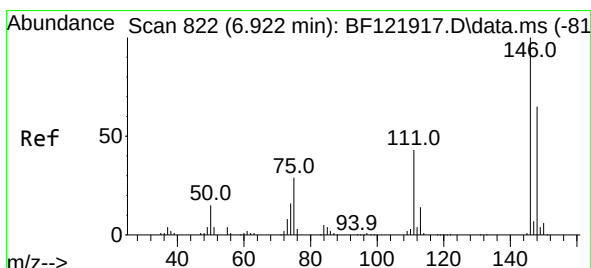
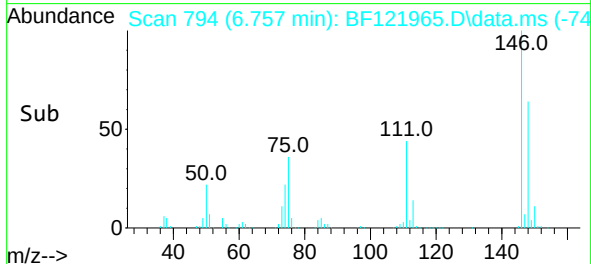
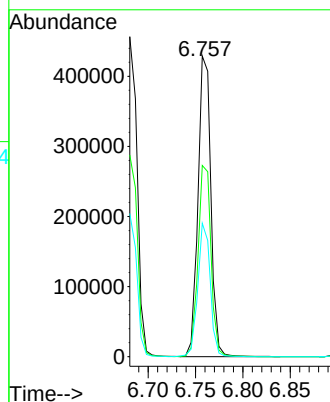
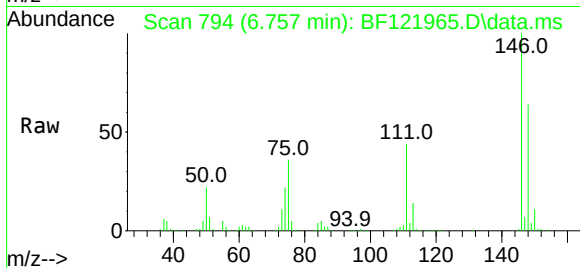
Tgt Ion:146 Resp: 407698

Ion Ratio Lower Upper

146 100

148 63.6 50.1 75.1

111 44.4 34.6 52.0



#14

1,2-Dichlorobenzene

Concen: 42.67 ng

RT: 6.910 min Scan# 820

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

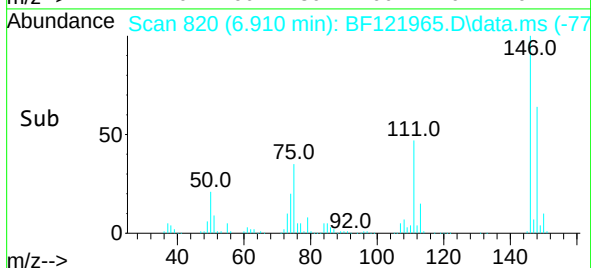
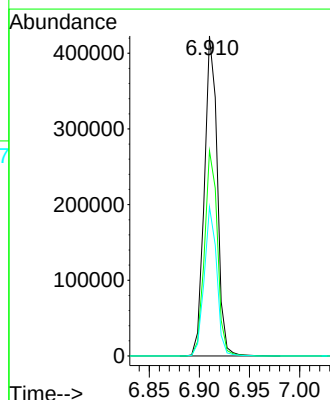
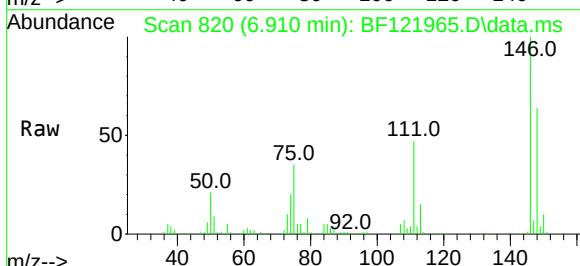
Tgt Ion:146 Resp: 381283

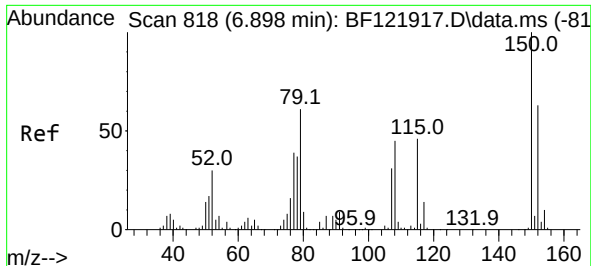
Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

111 46.6 34.2 51.4

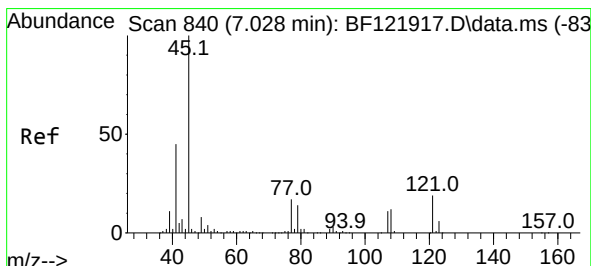
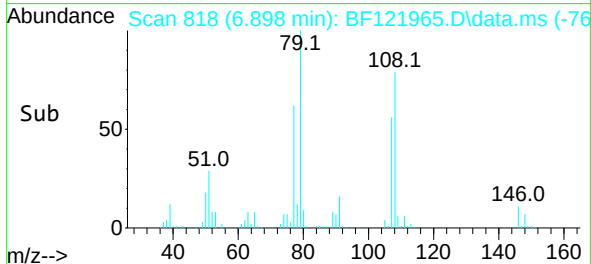
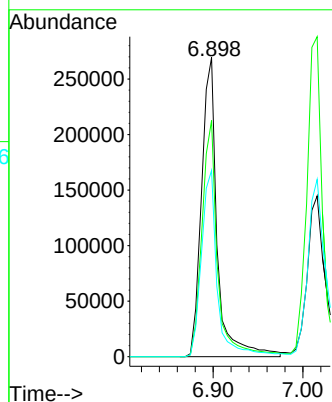
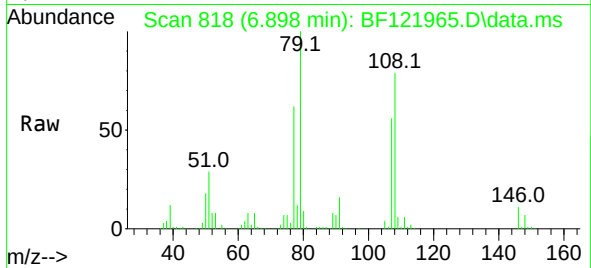




#15
Benzyl Alcohol
Concen: 46.00 ng
RT: 6.898 min Scan# 818
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

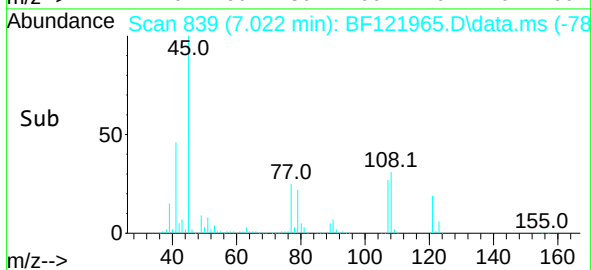
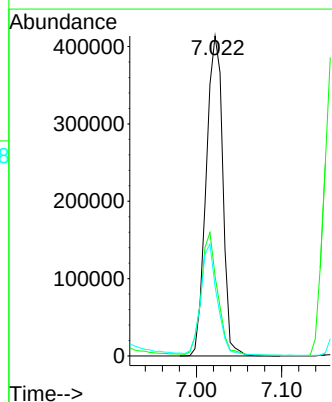
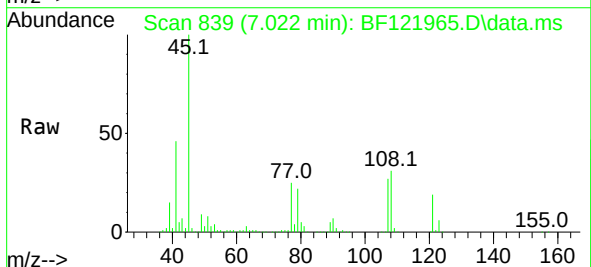
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

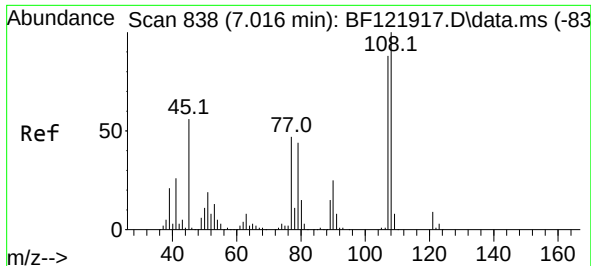
Tgt Ion: 79 Resp: 328013
Ion Ratio Lower Upper
79 100
108 78.9 62.3 93.5
77 62.3 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.24 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 45 Resp: 558143
Ion Ratio Lower Upper
45 100
77 24.9 0.0 33.3
79 21.7 0.0 30.4

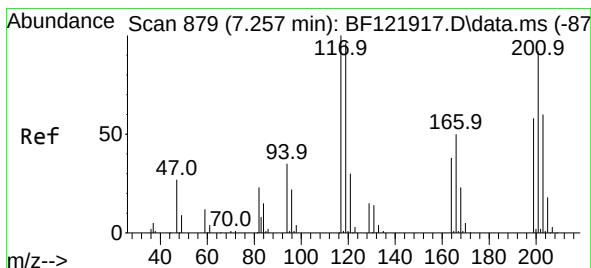
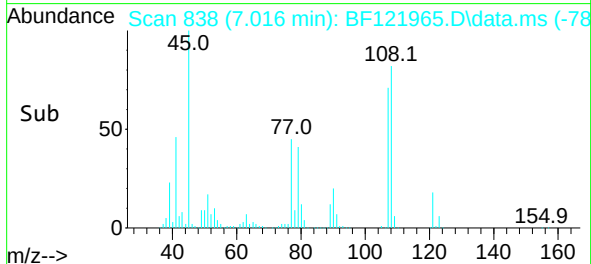
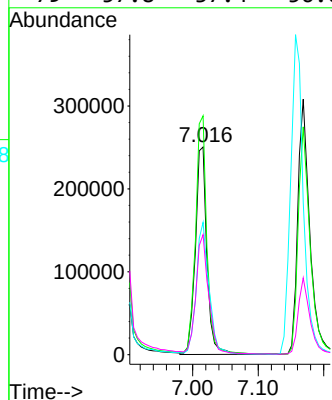
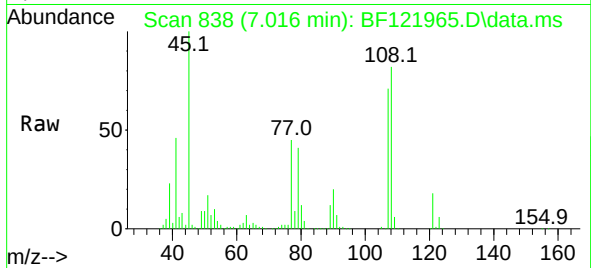




#17
2-Methylphenol
Concen: 41.73 ng
RT: 7.016 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

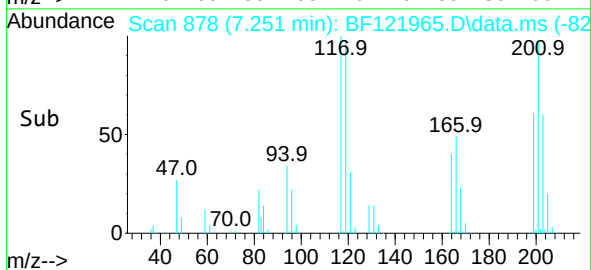
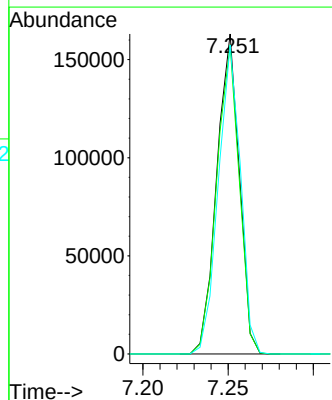
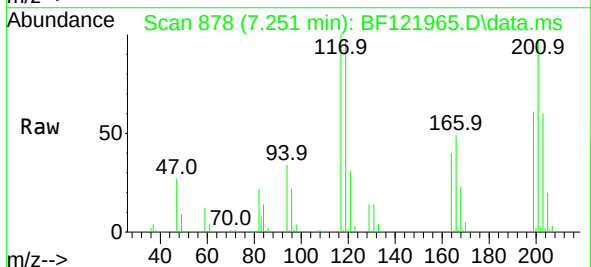
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

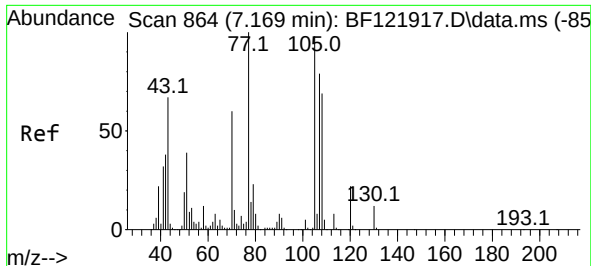
Tgt Ion:107 Resp: 308835
Ion Ratio Lower Upper
107 100
108 115.1 90.9 136.3
77 63.8 37.5 56.3#
79 57.8 37.4 56.0#



#18
Hexachloroethane
Concen: 42.38 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

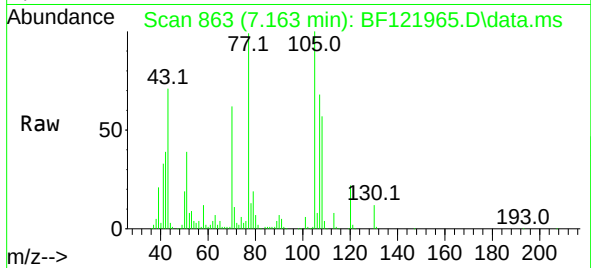
Tgt Ion:117 Resp: 149634
Ion Ratio Lower Upper
117 100
119 96.6 76.3 114.5
201 96.5 71.8 107.6



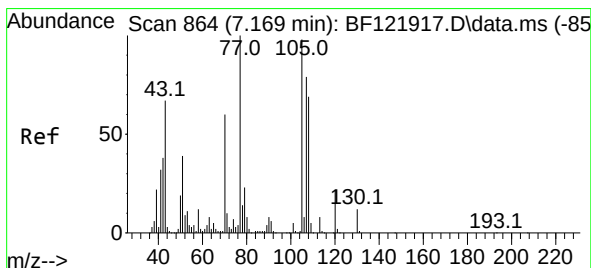
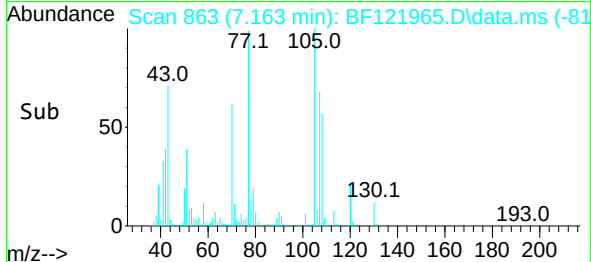
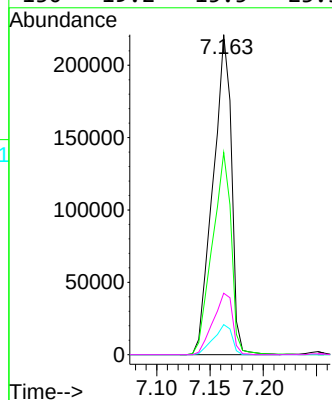


#19
n-Nitroso-di-n-propylamine
Concen: 42.48 ng
RT: 7.163 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

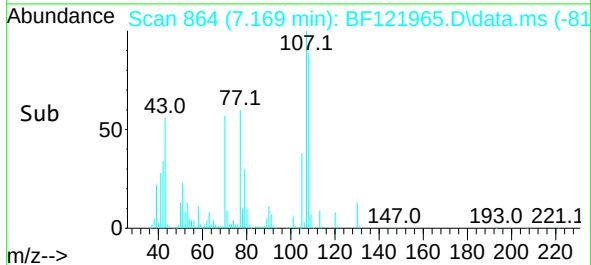
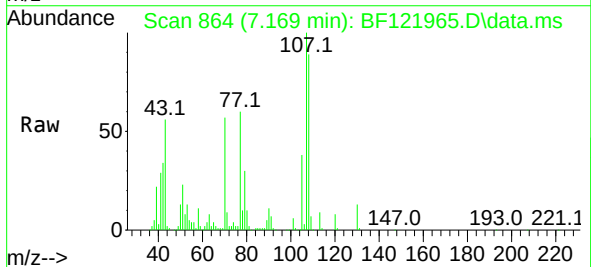
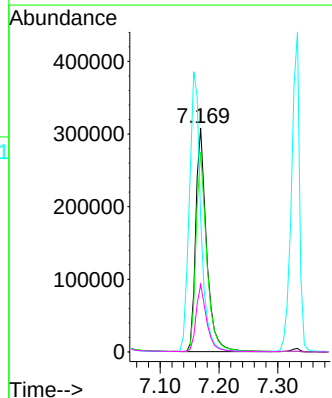


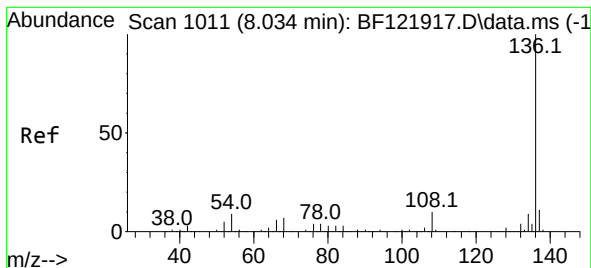
Tgt Ion: 70 Resp: 266631
Ion Ratio Lower Upper
70 100
42 63.2 50.2 75.4
101 9.4 7.5 11.3
130 19.2 15.5 23.3



#20
3+4-Methylphenols
Concen: 44.00 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

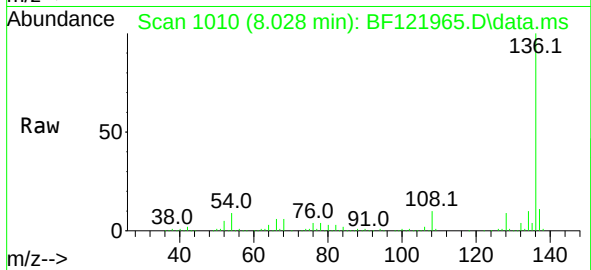
Tgt Ion: 107 Resp: 392670
Ion Ratio Lower Upper
107 100
108 89.2 68.9 108.9
77 59.5 108.0 148.0#
79 30.1 10.5 50.5



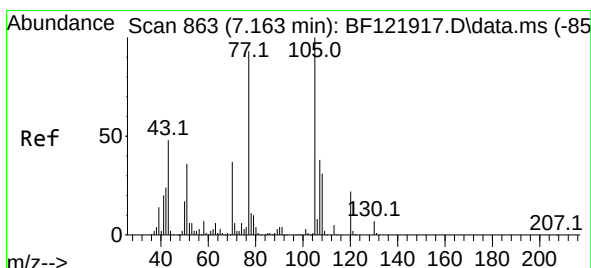
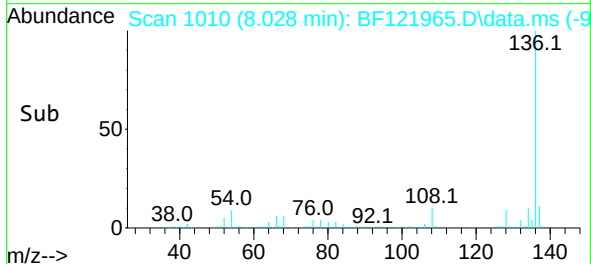
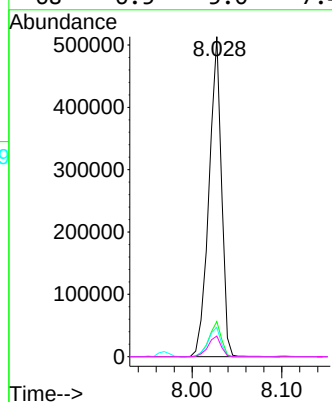


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

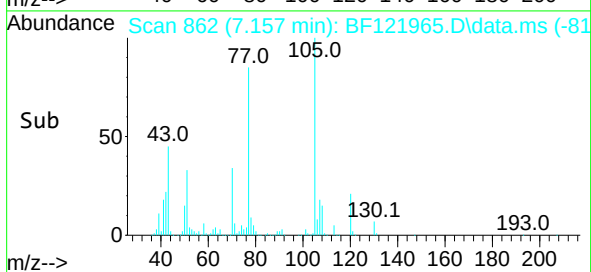
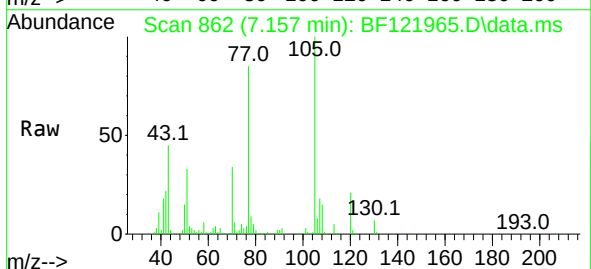
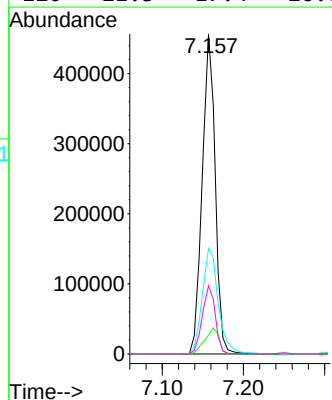


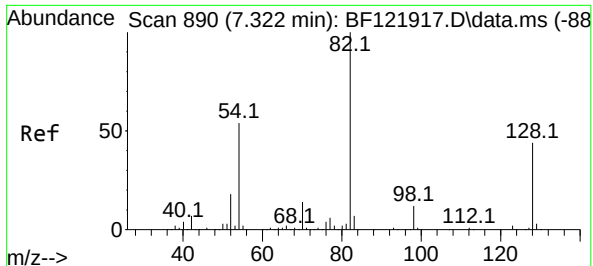
Tgt Ion:136 Resp: 495611
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 7.1 10.7
68 6.5 5.0 7.4



#22
Acetophenone
Concen: 39.72 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:105 Resp: 506494
Ion Ratio Lower Upper
105 100
71 5.8 5.3 7.9
51 33.0 33.2 49.8#
120 21.3 17.4 26.0





#23

Nitrobenzene-d5

Concen: 62.51 ng

RT: 7.310 min Scan# 888

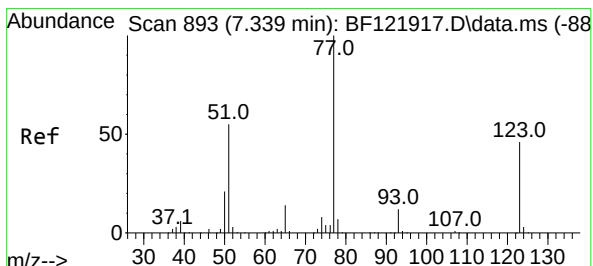
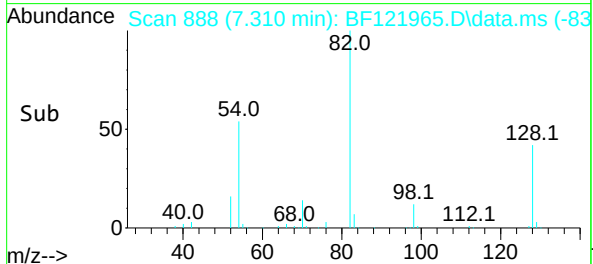
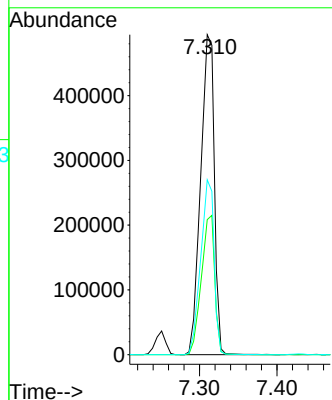
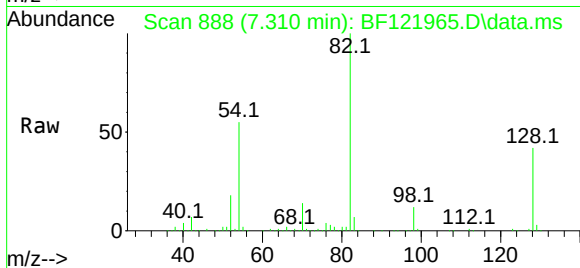
Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion: 82 Resp: 604133

Ion	Ratio	Lower	Upper
82	100		
128	42.2	35.0	52.4
54	54.7	43.9	65.9



#24

Nitrobenzene

Concen: 40.40 ng

RT: 7.333 min Scan# 892

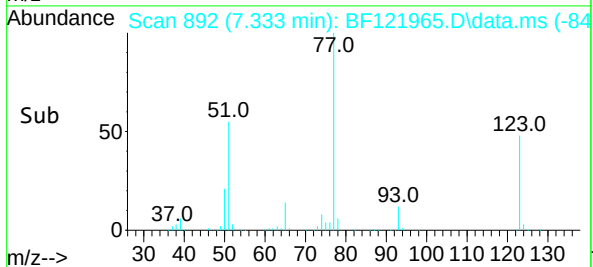
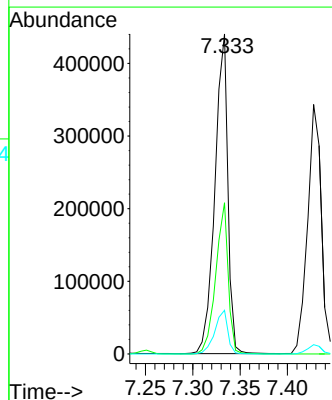
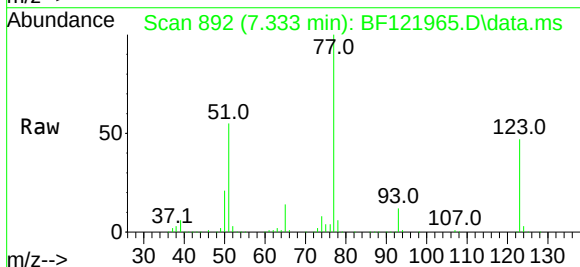
Delta R.T. -0.006 min

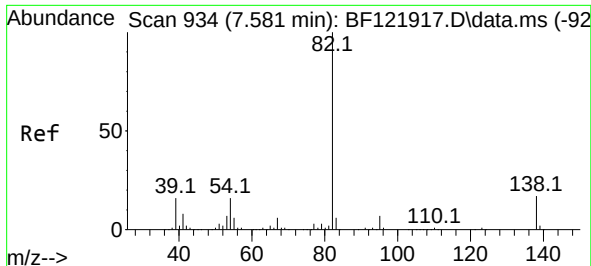
Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion: 77 Resp: 417341

Ion	Ratio	Lower	Upper
77	100		
123	47.3	35.6	53.4
65	13.6	11.2	16.8

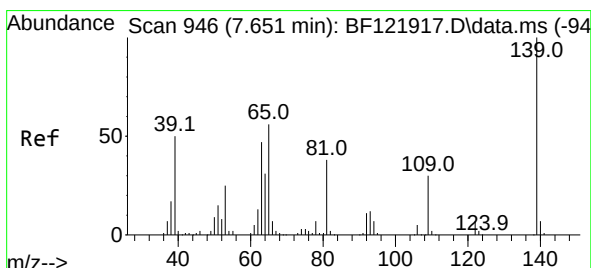
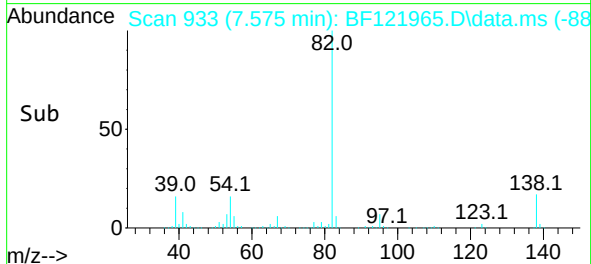
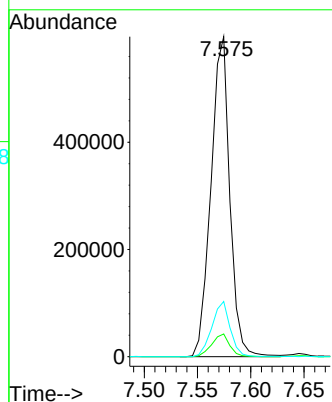
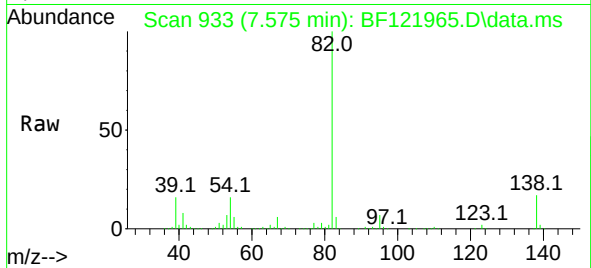




#25
Isophorone
Concen: 40.25 ng
RT: 7.575 min Scan# 933
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

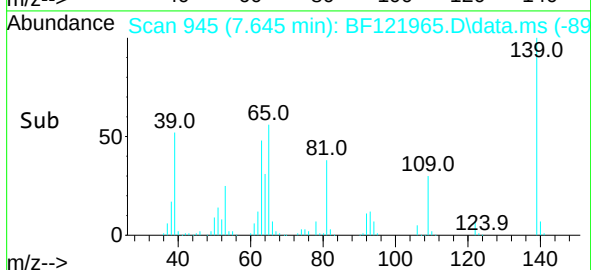
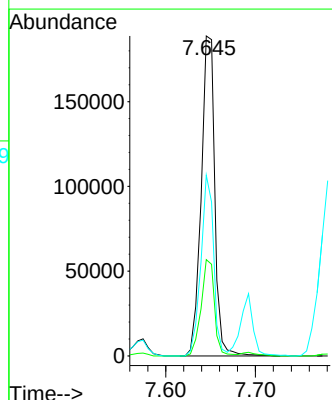
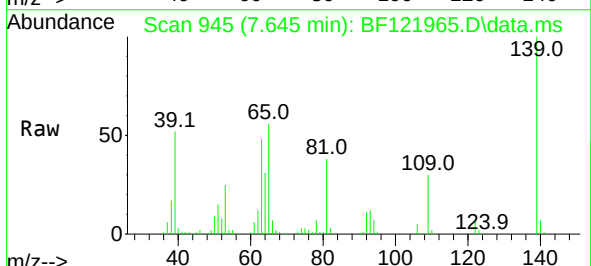
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

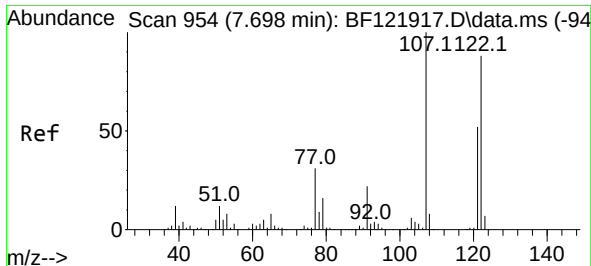
Tgt Ion: 82 Resp: 735508
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.0
138 17.2 13.4 20.0



#26
2-Nitrophenol
Concen: 41.81 ng
RT: 7.645 min Scan# 945
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 139 Resp: 198907
Ion Ratio Lower Upper
139 100
109 30.1 23.0 34.4
65 56.5 39.9 59.9

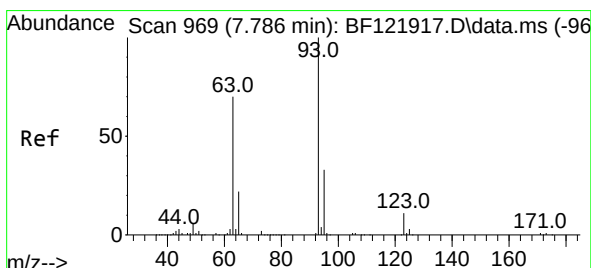
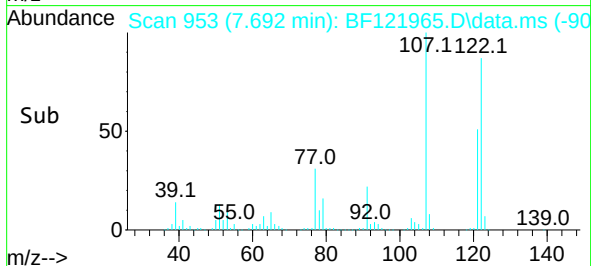
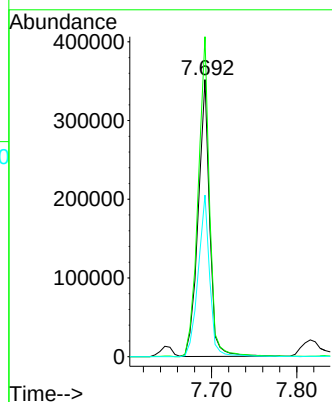
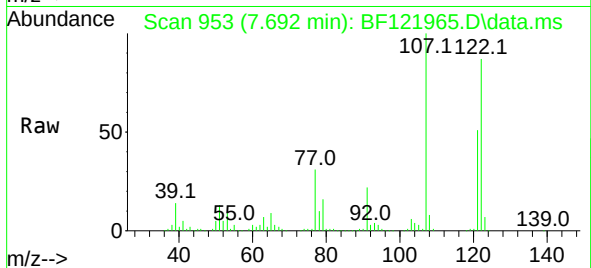




#27
2,4-Dimethylphenol
Concen: 40.68 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

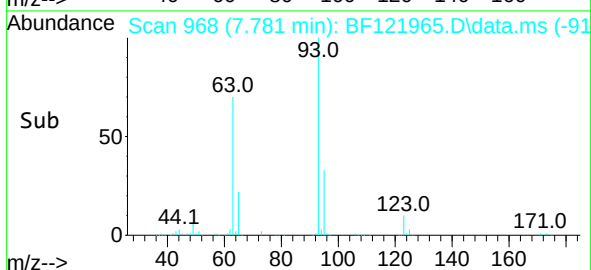
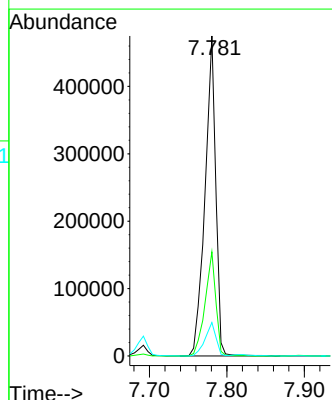
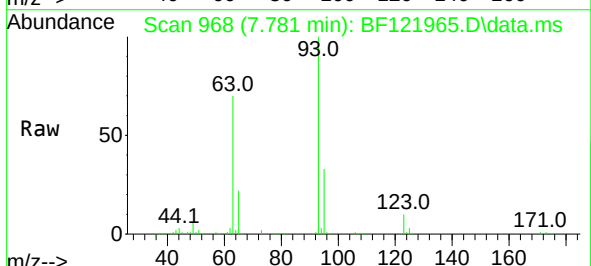
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

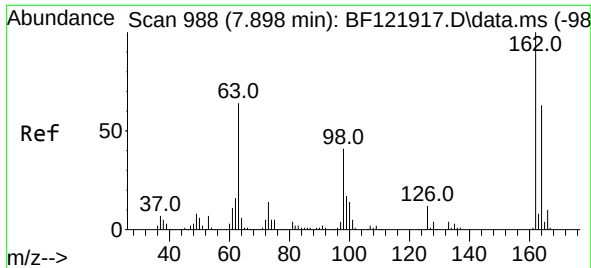
Tgt Ion:122 Resp: 329896
Ion Ratio Lower Upper
122 100
107 115.5 90.8 136.2
121 58.3 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 40.14 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion: 93 Resp: 458934
Ion Ratio Lower Upper
93 100
95 32.5 26.2 39.4
123 10.5 8.8 13.2

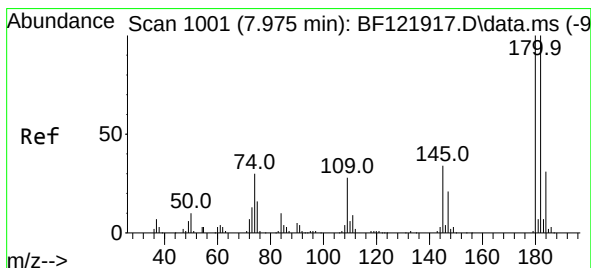
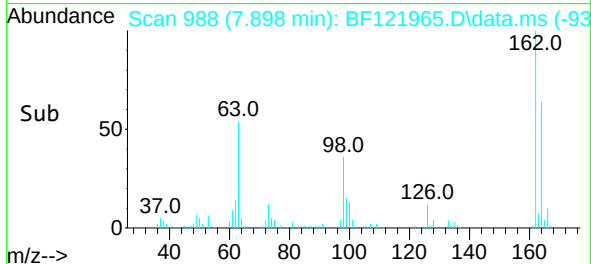
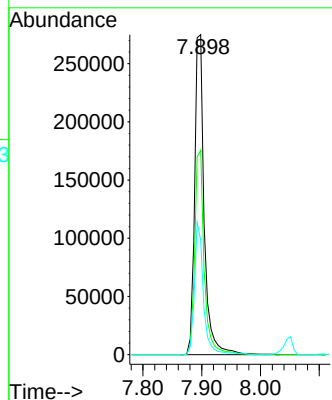
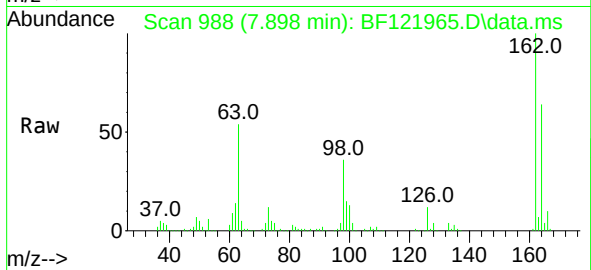




#29
2,4-Dichlorophenol
Concen: 41.24 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

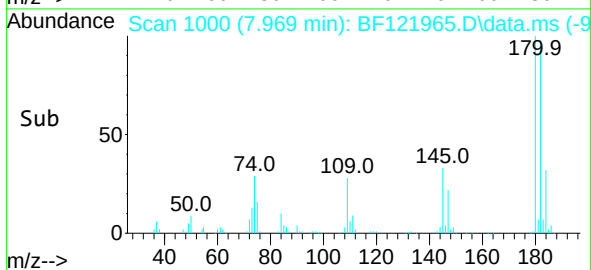
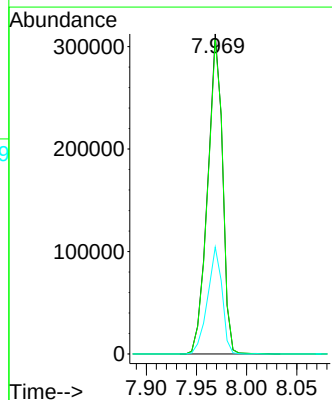
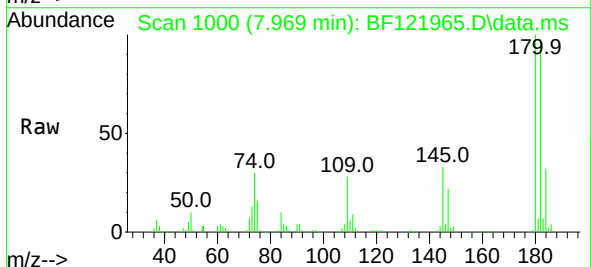
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

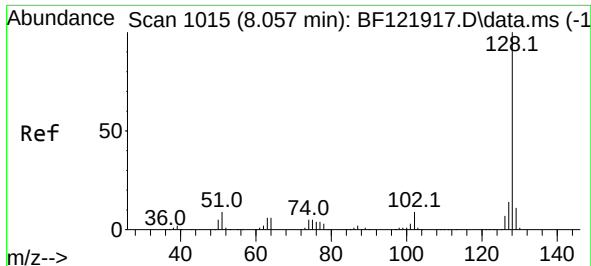
Tgt Ion:162 Resp: 313121
Ion Ratio Lower Upper
162 100
164 63.9 42.5 82.5
98 35.9 20.1 60.1



#30
1,2,4-Trichlorobenzene
Concen: 40.09 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:180 Resp: 323733
Ion Ratio Lower Upper
180 100
182 98.2 79.4 119.2
145 33.4 25.5 38.3

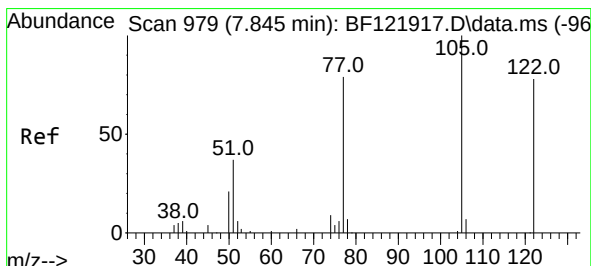
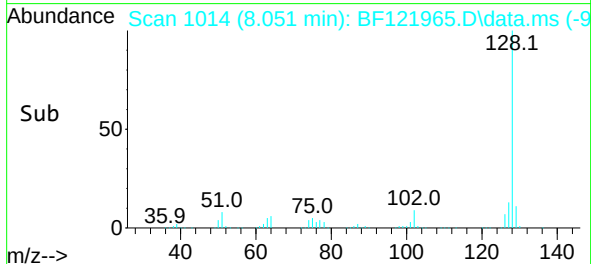
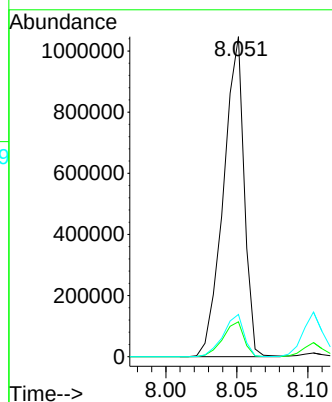
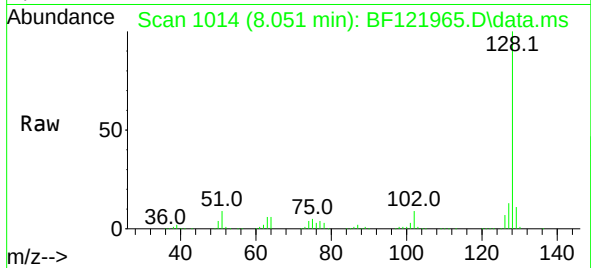




#31
Naphthalene
Concen: 39.98 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

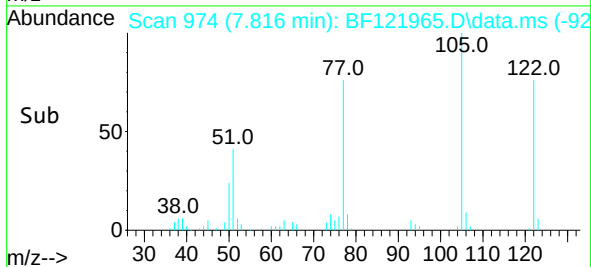
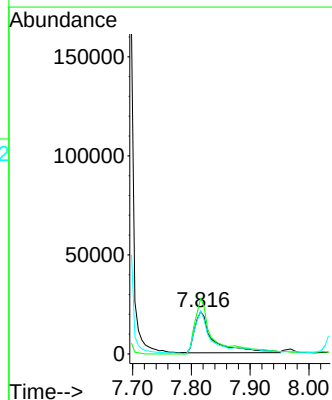
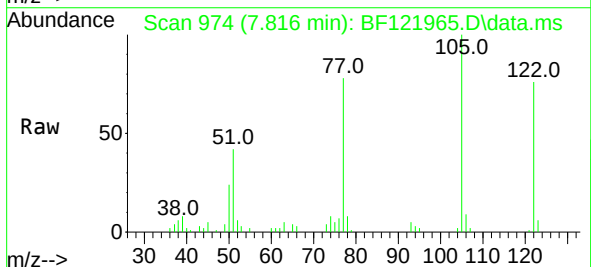
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

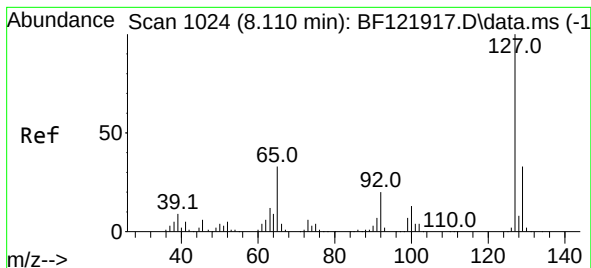
Tgt Ion:128 Resp: 1061513
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 15.89 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.029 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:122 Resp: 45256
Ion Ratio Lower Upper
122 100
105 130.9 103.3 143.3
77 101.7 73.9 113.9

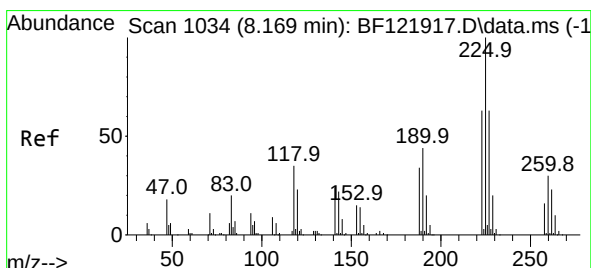
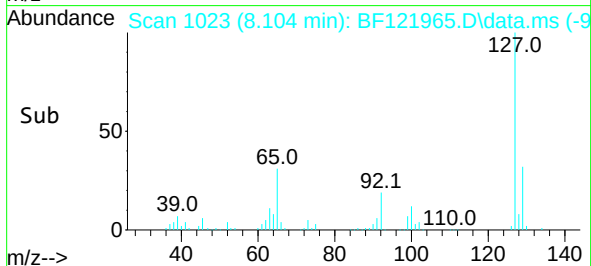
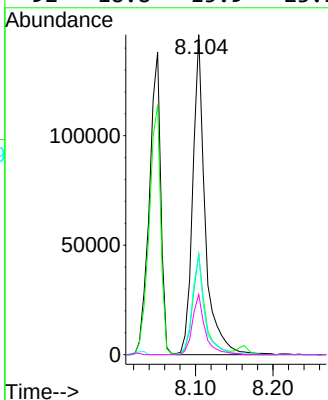
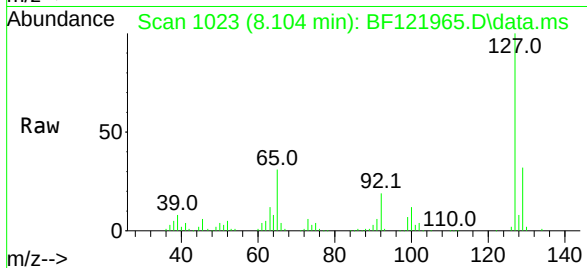




#33
4-Chloroaniline
Concen: 14.38 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

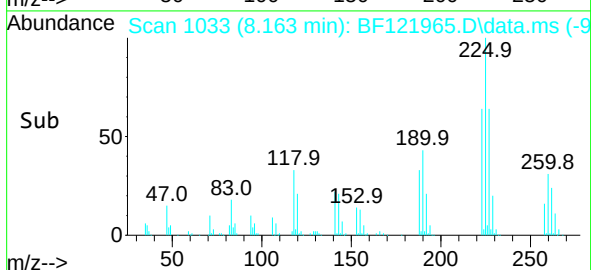
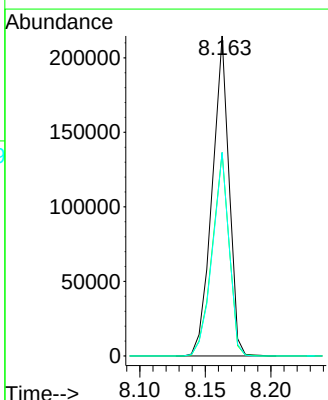
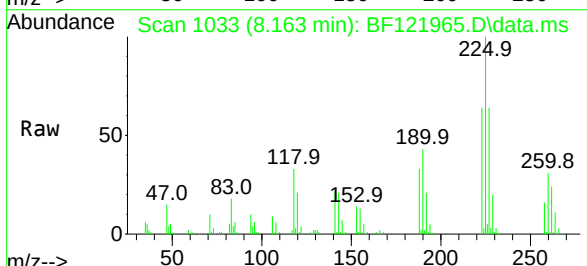
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

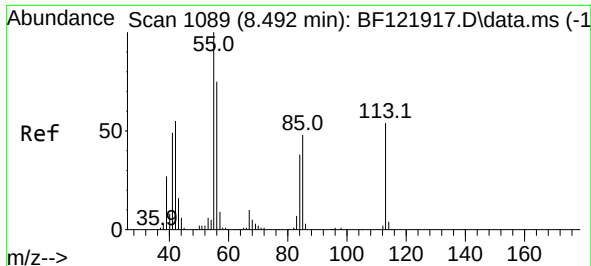
Tgt Ion:	127	Resp:	162679
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.3	39.5
65	31.2	26.2	39.2
92	18.8	15.9	23.9



#34
Hexachlorobutadiene
Concen: 40.15 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:	225	Resp:	192217
Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.1	76.7
227	63.6	51.0	76.6





#35

Caprolactam

Concen: 26.63 ng

RT: 8.486 min Scan# 1088

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

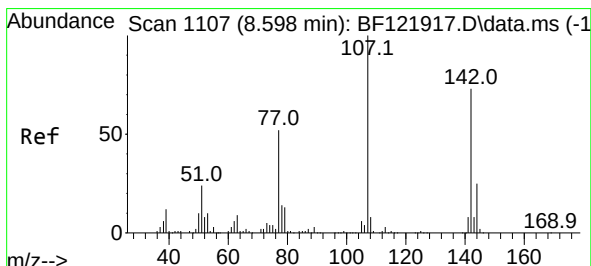
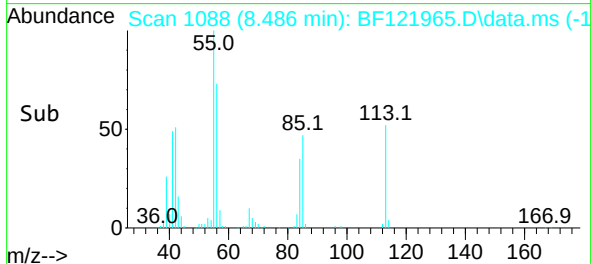
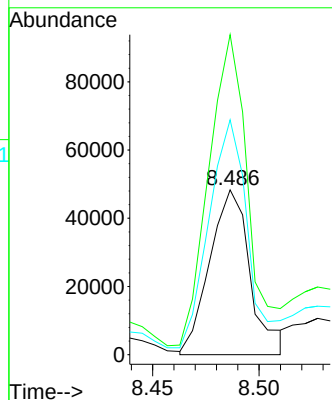
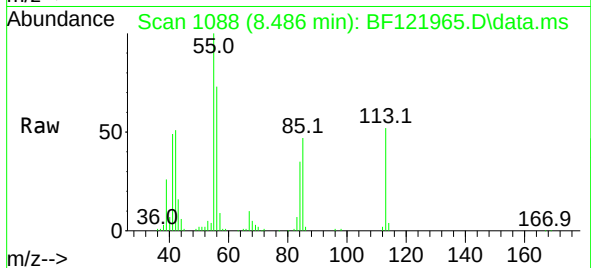
Tgt Ion:	113	Resp:	64231
Ion	Ratio	Lower	Upper
113	100		
55	194.1	167.5	207.5
56	142.5	121.2	161.2

Instrument :

BNA_F

ClientSampleId :

BB-SOILMSD



#36

4-Chloro-3-methylphenol

Concen: 41.31 ng

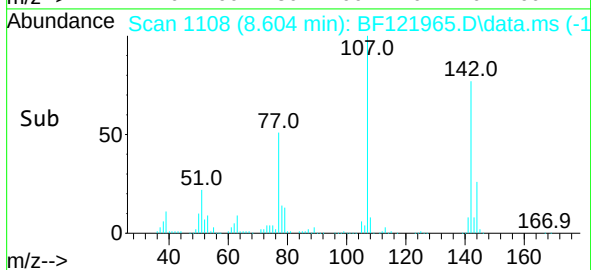
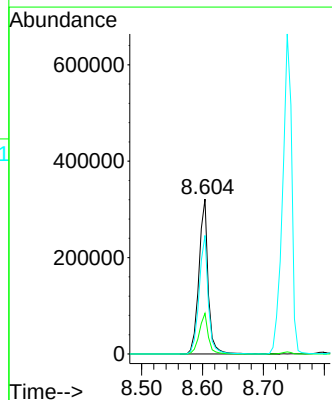
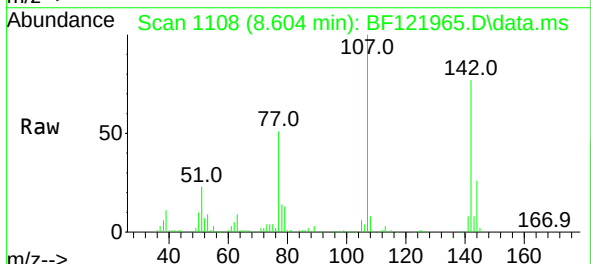
RT: 8.604 min Scan# 1108

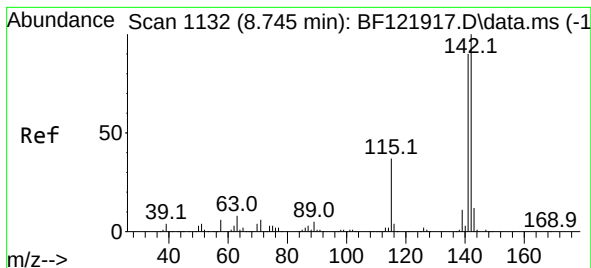
Delta R.T. 0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion:	107	Resp:	336939
Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.1	30.1
142	76.5	59.3	88.9

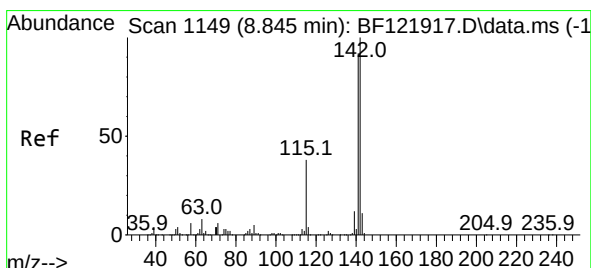
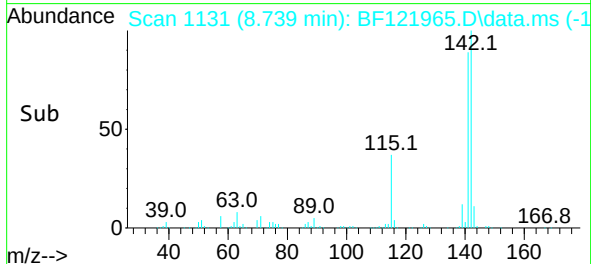
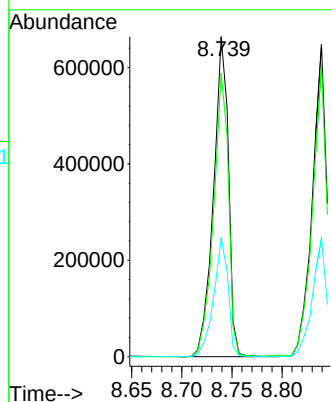
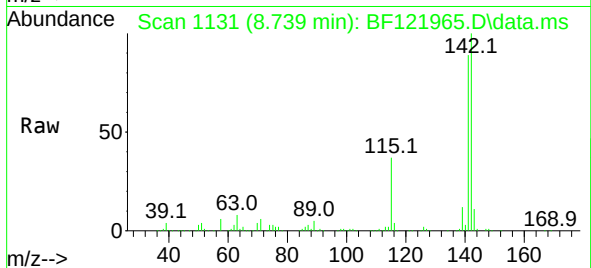




#37
2-Methylnaphthalene
Concen: 40.18 ng
RT: 8.739 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

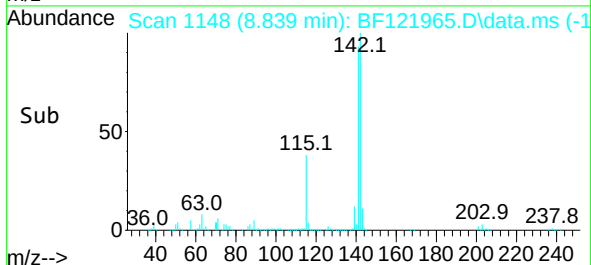
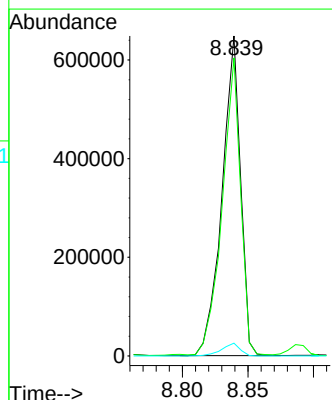
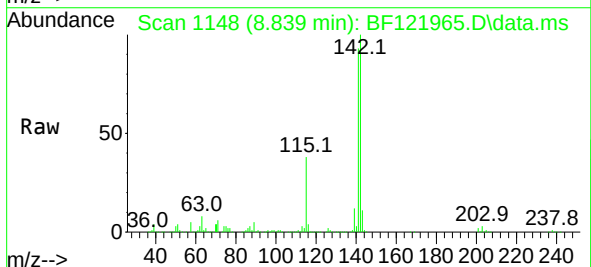
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

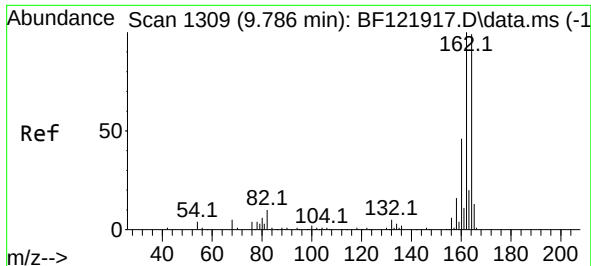
Tgt Ion:142 Resp: 690948
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.4
115 37.0 28.6 43.0



#38
1-Methylnaphthalene
Concen: 39.92 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:142 Resp: 635688
Ion Ratio Lower Upper
142 100
141 93.2 74.5 111.7
116 4.0 3.2 4.8

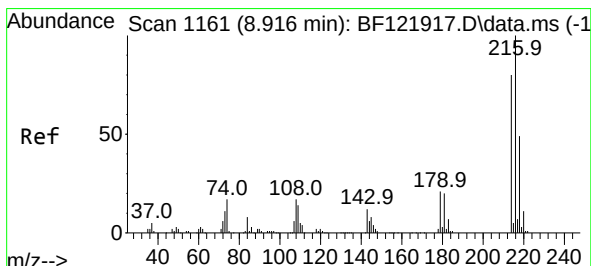
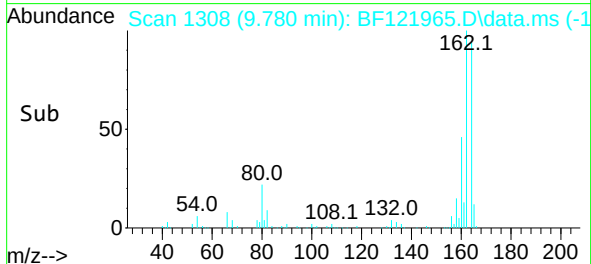
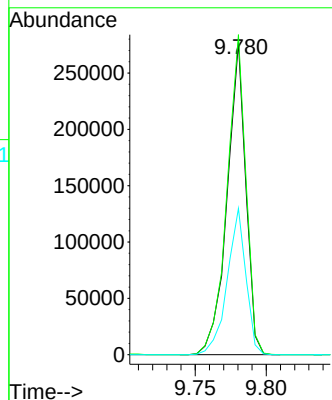
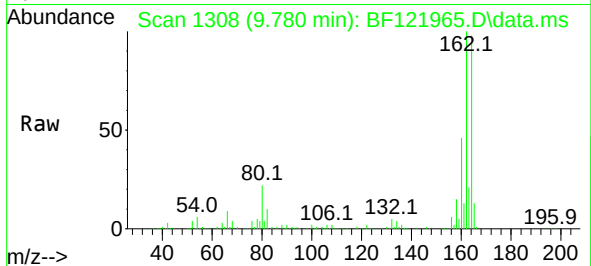




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

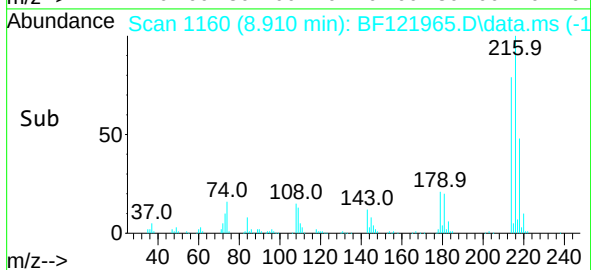
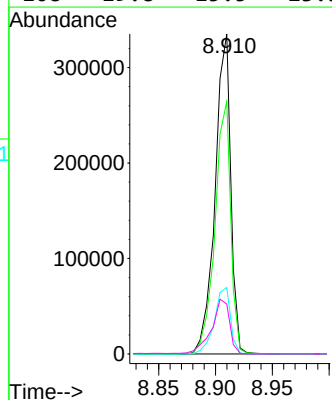
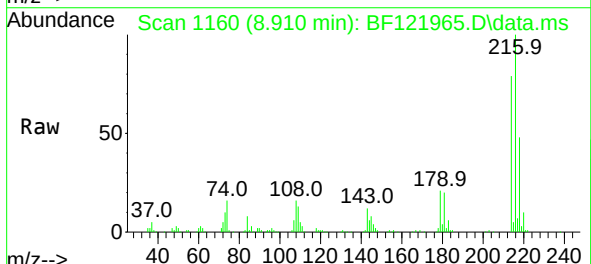
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

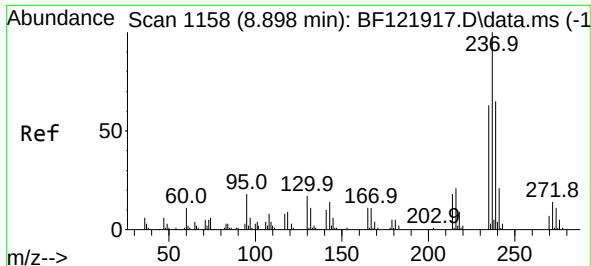
Tgt Ion:164 Resp: 253300
Ion Ratio Lower Upper
164 100
162 102.5 83.2 124.8
160 46.9 37.5 56.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.39 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:216 Resp: 322035
Ion Ratio Lower Upper
216 100
214 79.3 63.4 95.2
179 21.3 17.0 25.6
108 19.8 15.5 23.3

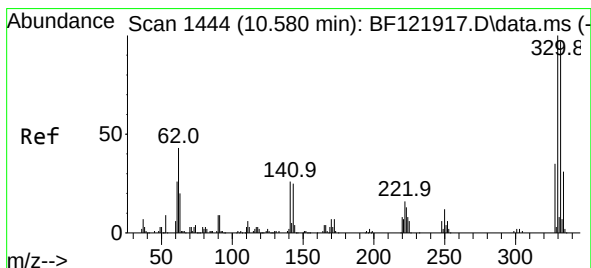
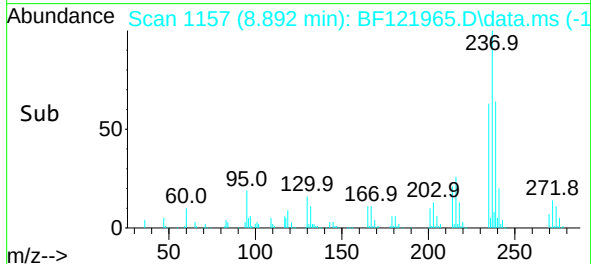
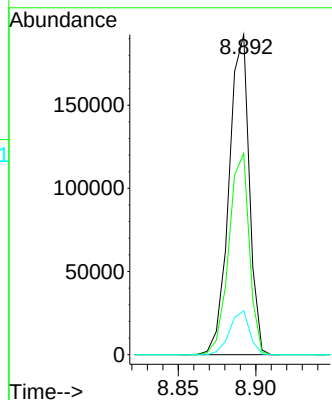
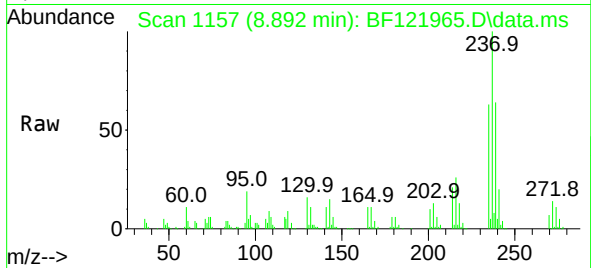




#41
Hexachlorocyclopentadiene
Concen: 71.17 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

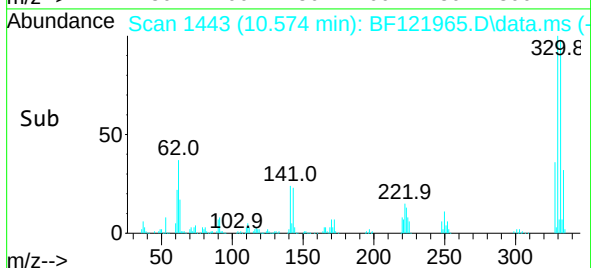
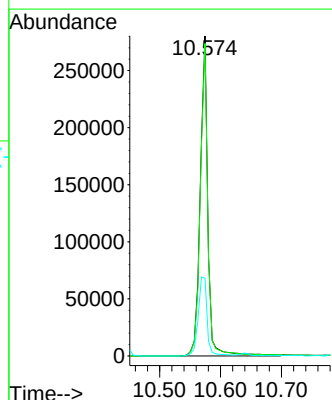
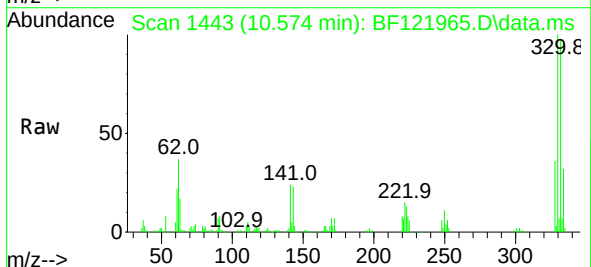
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

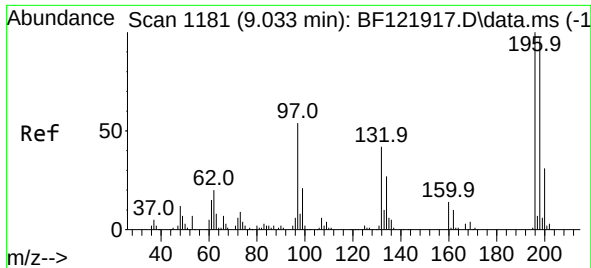
Tgt Ion:237 Resp: 175292
Ion Ratio Lower Upper
237 100
235 63.0 41.8 81.8
272 13.7 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 78.15 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:330 Resp: 244865
Ion Ratio Lower Upper
330 100
332 97.7 77.3 115.9
141 29.0 22.3 33.5

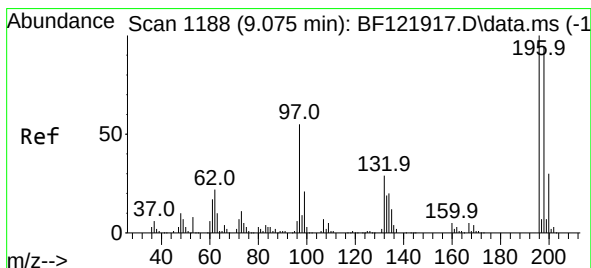
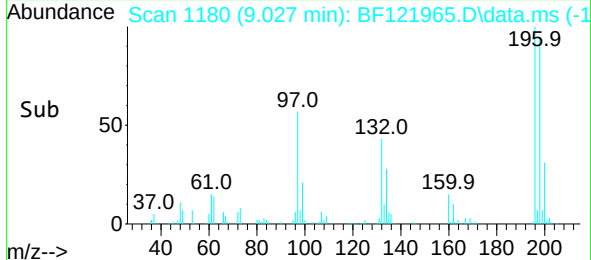
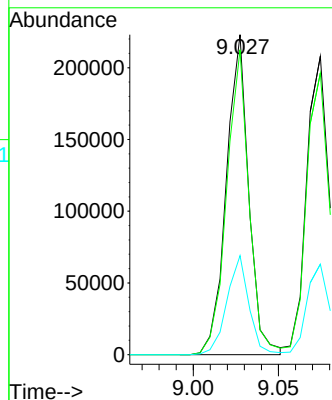
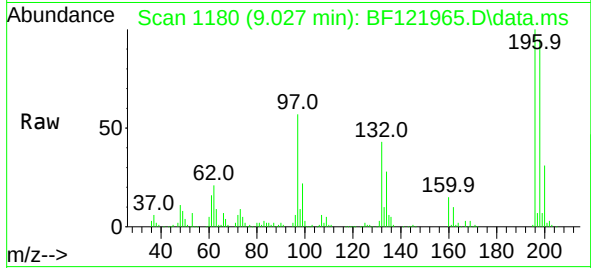




#43
2,4,6-Trichlorophenol
Concen: 40.42 ng
RT: 9.027 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

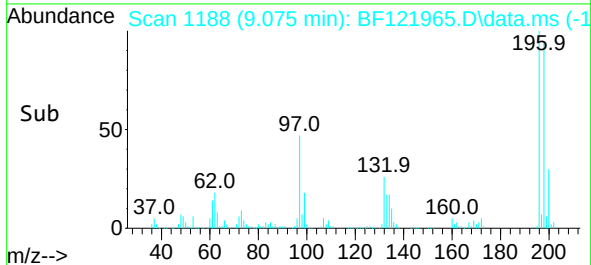
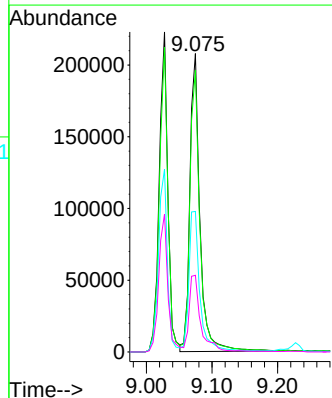
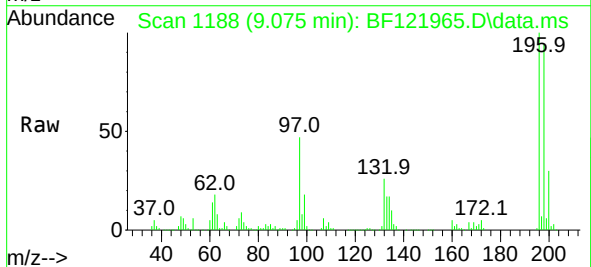
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

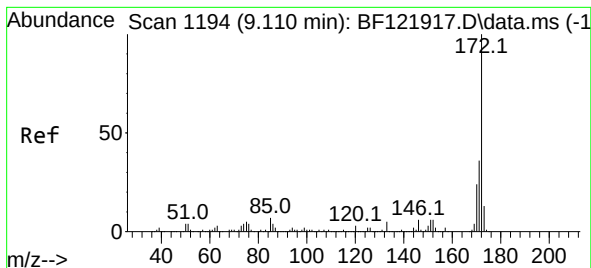
Tgt Ion:196 Resp: 203880
Ion Ratio Lower Upper
196 100
198 95.3 75.8 113.6
200 31.0 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 40.56 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:196 Resp: 220941
Ion Ratio Lower Upper
196 100
198 94.4 76.1 114.1
97 47.1 41.0 61.6
132 25.7 22.4 33.6





#45

2-Fluorobiphenyl

Concen: 60.13 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

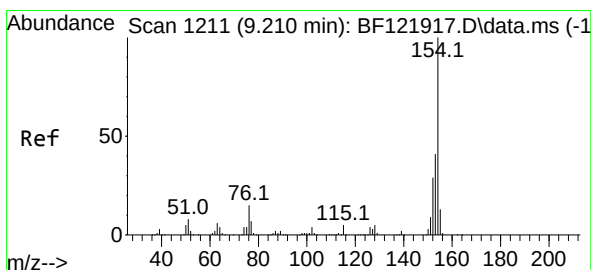
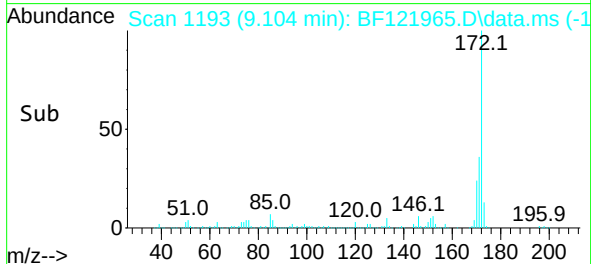
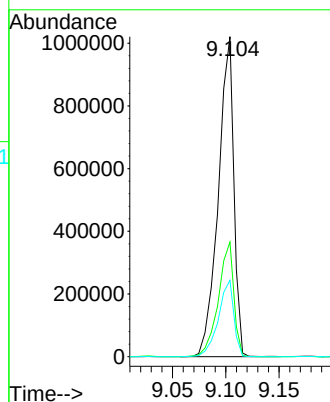
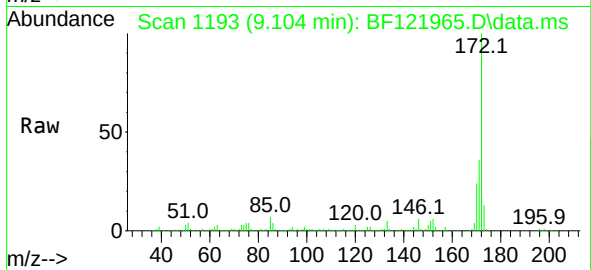
Tgt Ion:172 Resp: 1035092

Ion Ratio Lower Upper

172 100

171 35.8 29.1 43.7

170 23.9 19.8 29.6



#46

1,1'-Biphenyl

Concen: 39.78 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

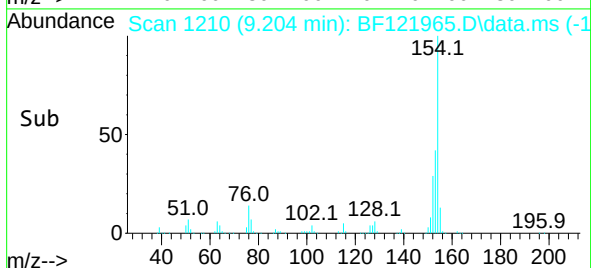
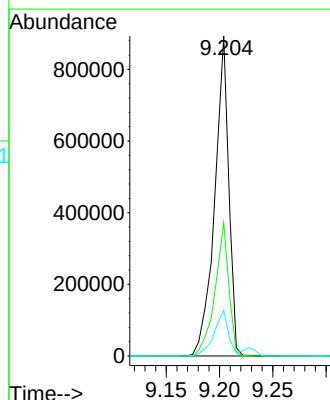
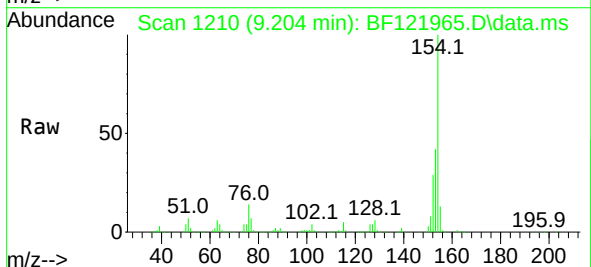
Tgt Ion:154 Resp: 819395

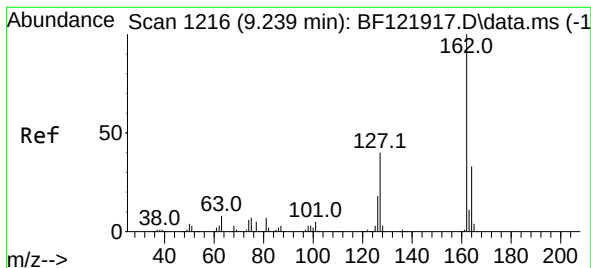
Ion Ratio Lower Upper

154 100

153 41.6 21.3 61.3

76 14.2 0.0 34.7





#47

2-Chloronaphthalene

Concen: 40.31 ng

RT: 9.227 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

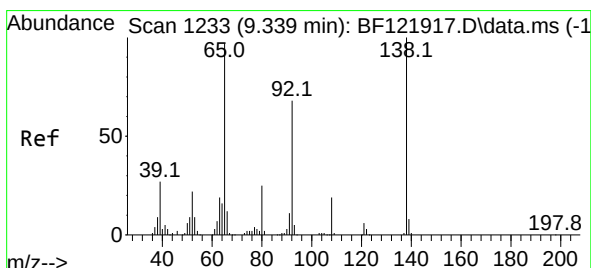
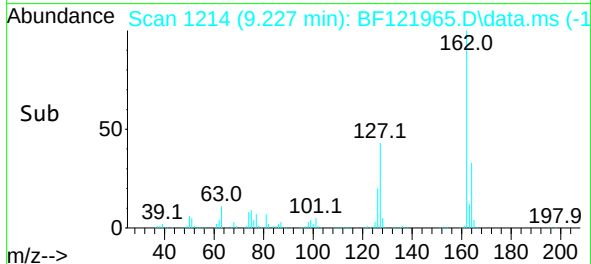
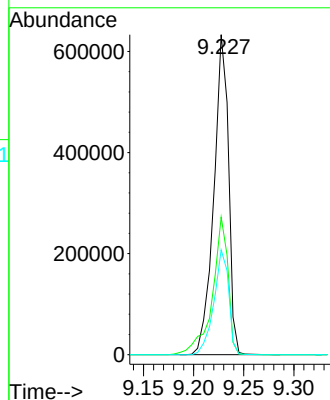
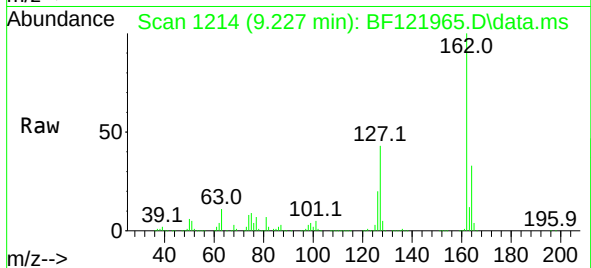
Tgt Ion:162 Resp: 645623

Ion Ratio Lower Upper

162 100

127 43.0 34.4 51.6

164 32.7 26.3 39.5



#48

2-Nitroaniline

Concen: 43.00 ng

RT: 9.333 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

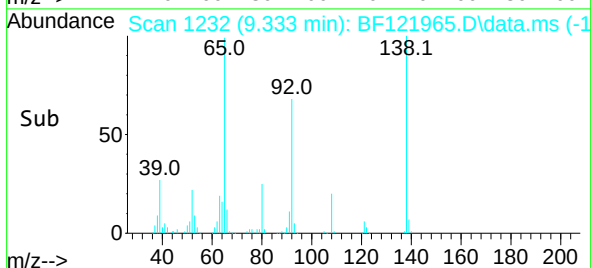
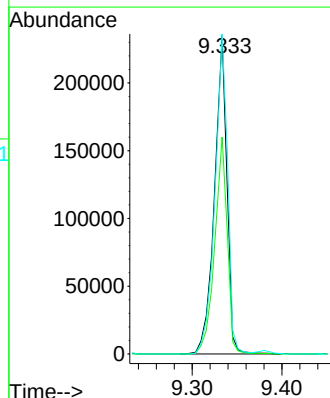
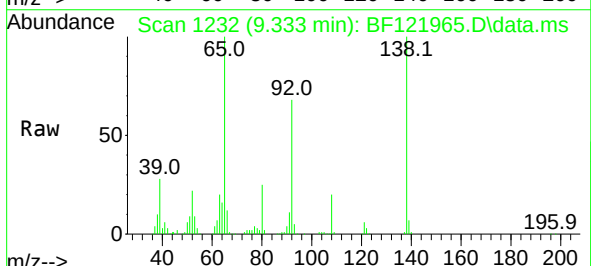
Tgt Ion: 65 Resp: 227200

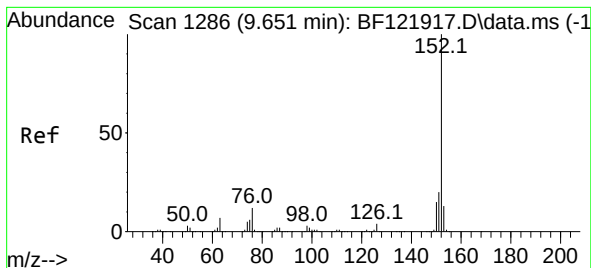
Ion Ratio Lower Upper

65 100

92 68.1 55.1 82.7

138 100.4 80.5 120.7





#49

Acenaphthylene

Concen: 40.35 ng

RT: 9.645 min Scan# 1285

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion:152 Resp: 992665

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

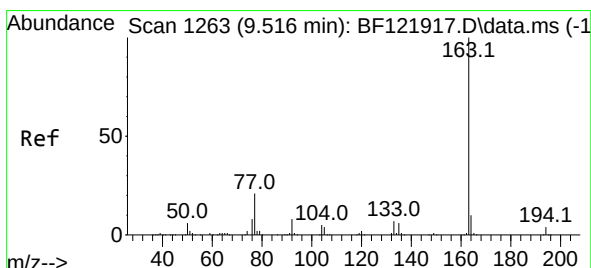
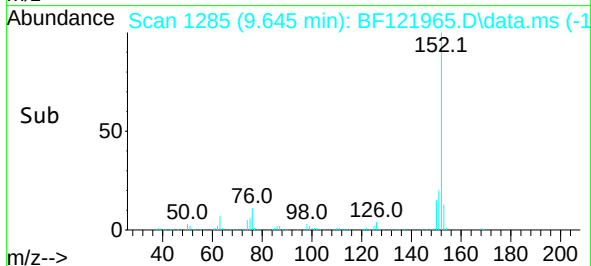
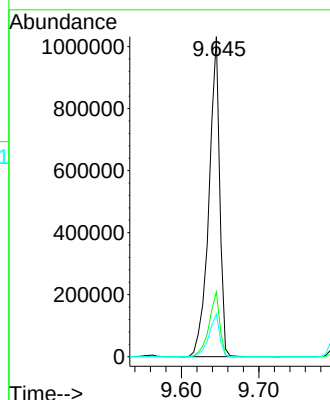
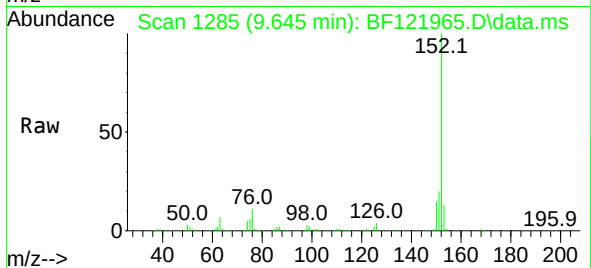
153 13.2 10.6 15.8

Instrument :

BNA_F

ClientSampleId :

BB-SOILMSD



#50

Dimethylphthalate

Concen: 45.73 ng

RT: 9.510 min Scan# 1262

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

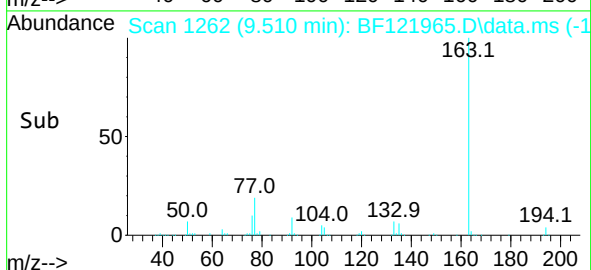
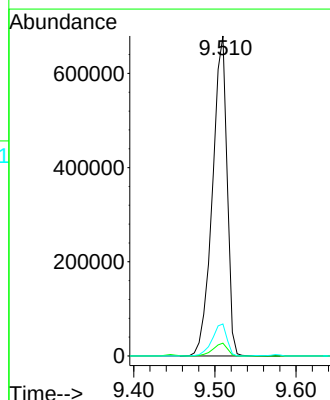
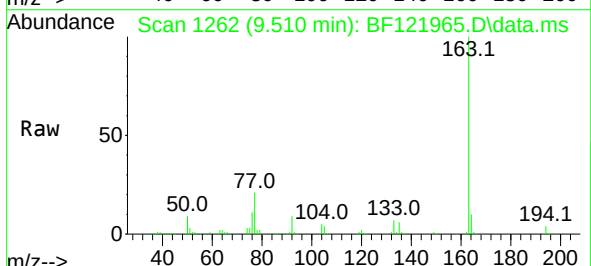
Tgt Ion:163 Resp: 847024

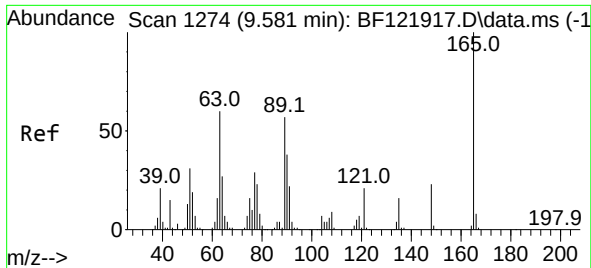
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.0 8.2 12.4

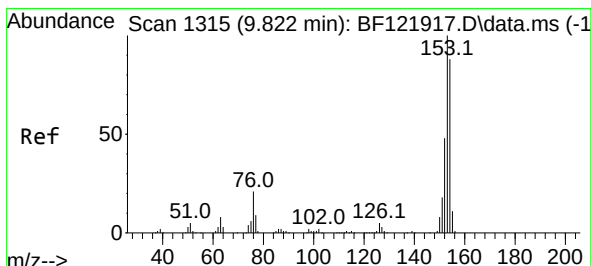
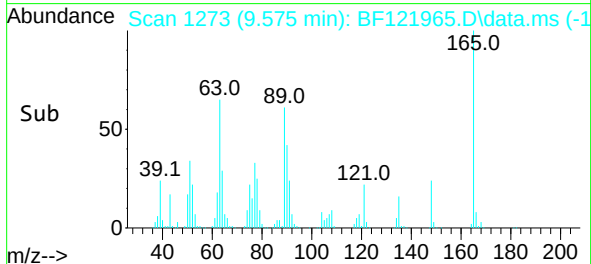
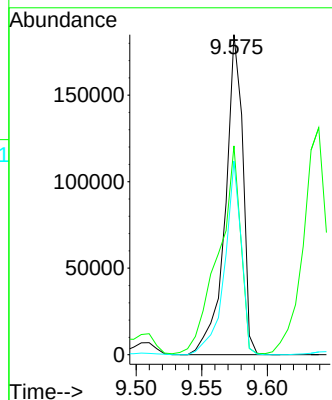
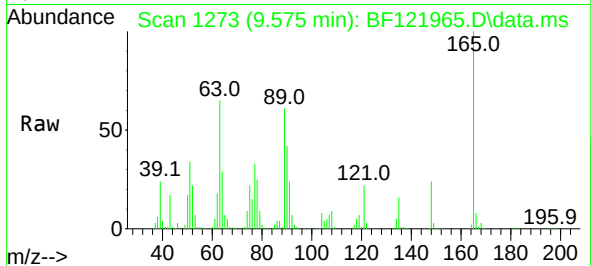




#51
2,6-Dinitrotoluene
Concen: 42.31 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

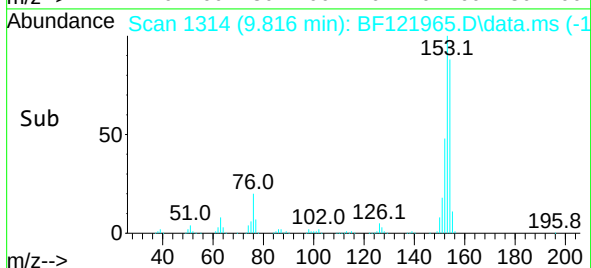
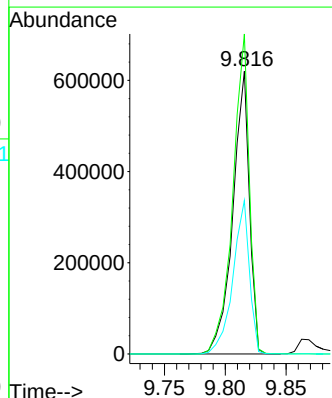
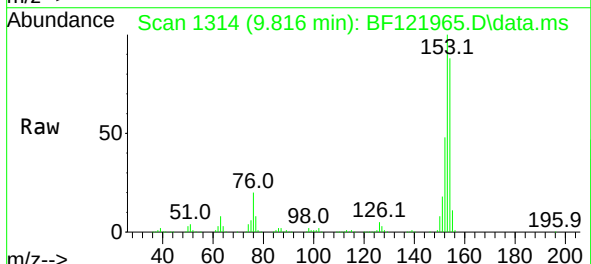
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

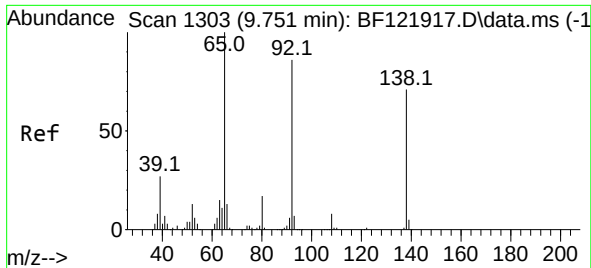
Tgt Ion:165 Resp: 171916
Ion Ratio Lower Upper
165 100
63 65.2 51.8 77.6
89 60.5 49.0 73.6



#52
Acenaphthene
Concen: 40.28 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:154 Resp: 589461
Ion Ratio Lower Upper
154 100
153 113.2 89.8 134.8
152 54.3 43.2 64.8

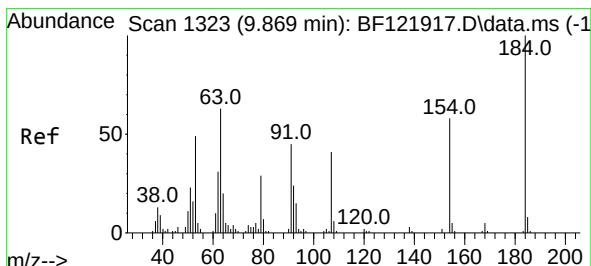
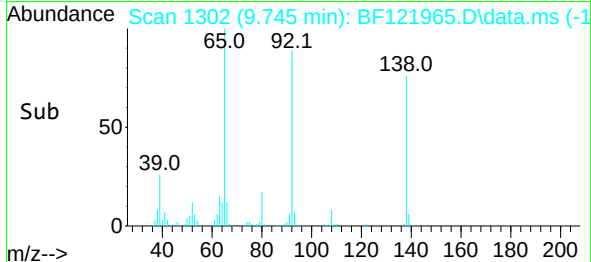
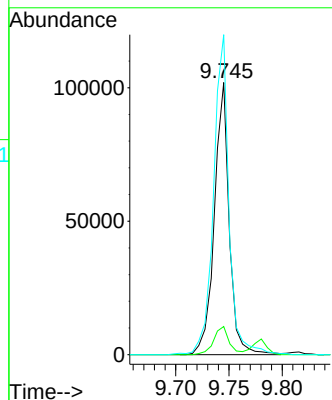
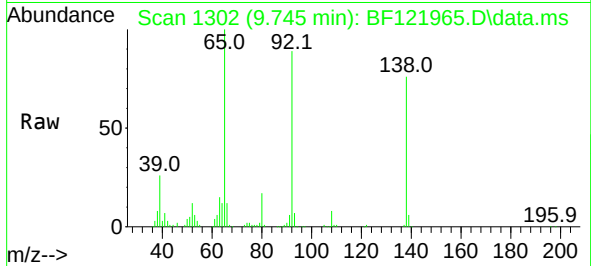




#53
3-Nitroaniline
Concen: 21.55 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

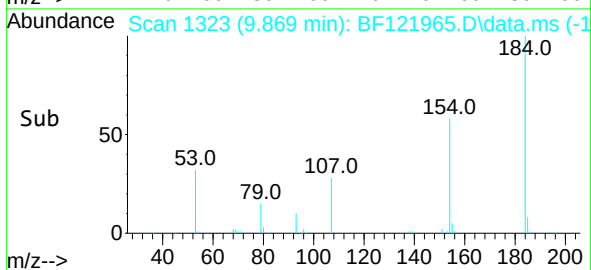
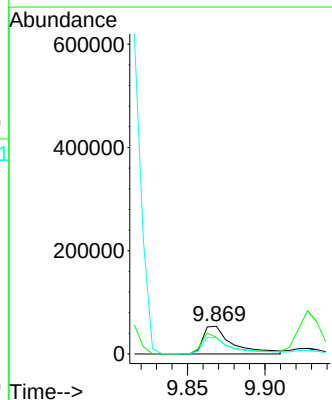
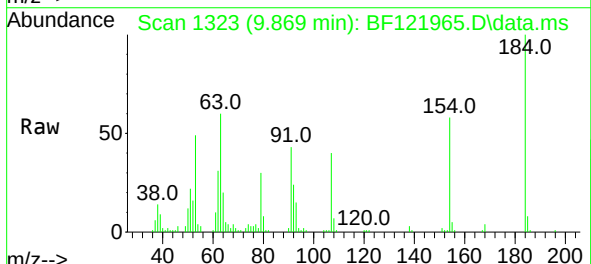
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

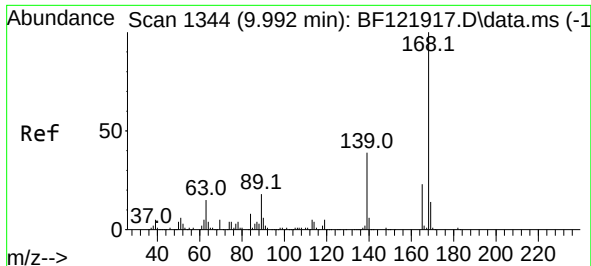
Tgt Ion:138 Resp: 99560
Ion Ratio Lower Upper
138 100
108 10.4 8.6 13.0
92 117.6 96.6 144.8



#54
2,4-Dinitrophenol
Concen: 39.00 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:184 Resp: 70502
Ion Ratio Lower Upper
184 100
63 60.0 45.9 68.9
154 58.2 45.8 68.6

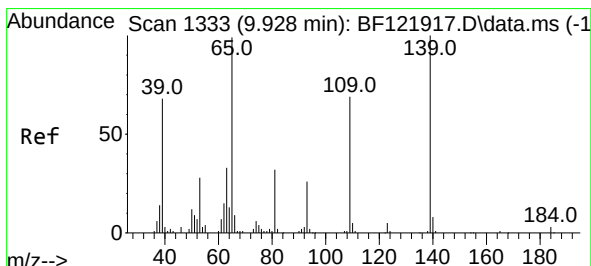
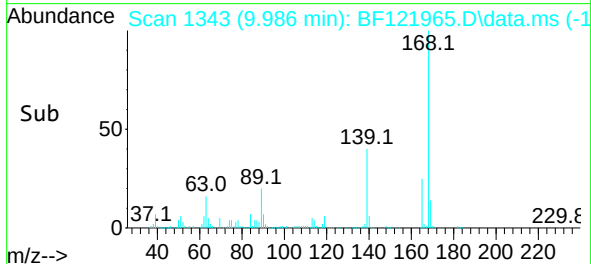
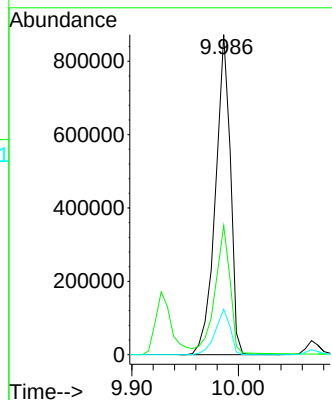
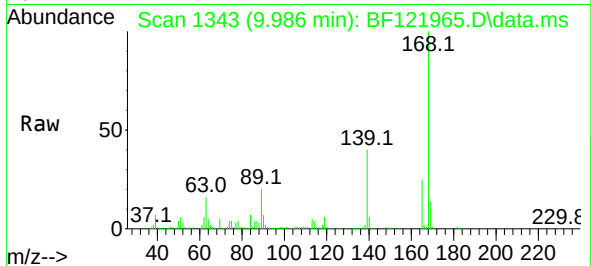




#55
Dibenzofuran
Concen: 39.49 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

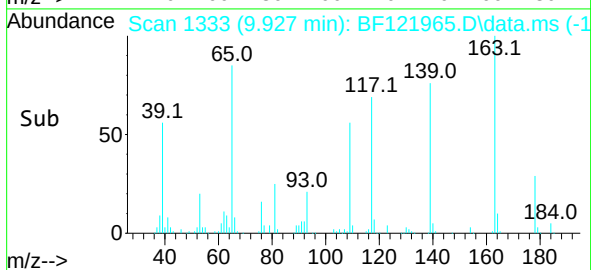
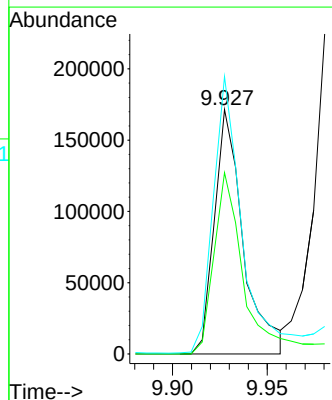
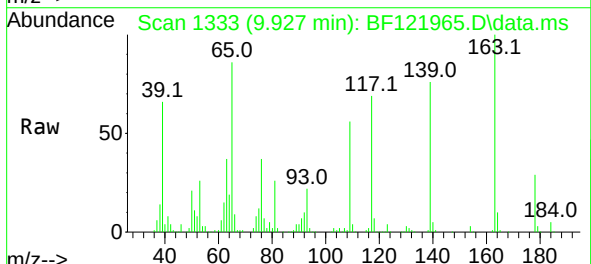
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

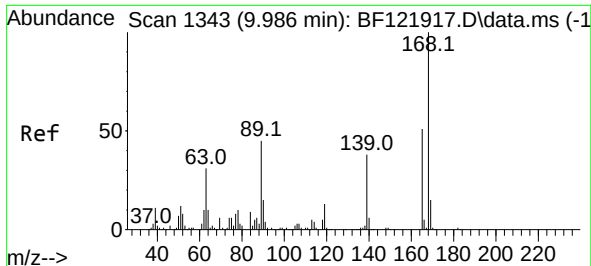
Tgt Ion:168 Resp: 844972
Ion Ratio Lower Upper
168 100
139 40.4 31.0 46.6
169 14.2 11.3 16.9



#56
4-Nitrophenol
Concen: 72.29 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:139 Resp: 181704
Ion Ratio Lower Upper
139 100
109 74.1 45.4 85.4
65 113.5 68.4 108.4#

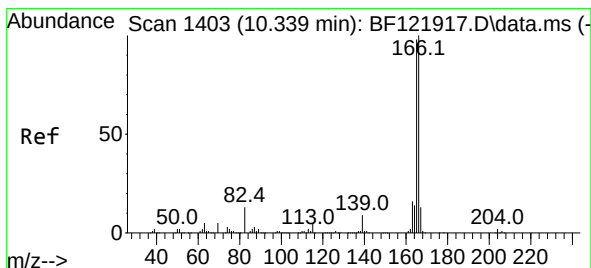
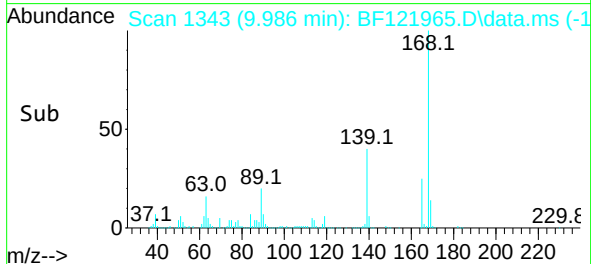
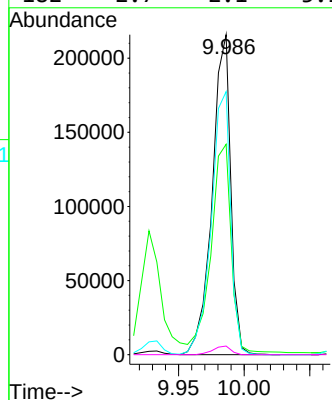
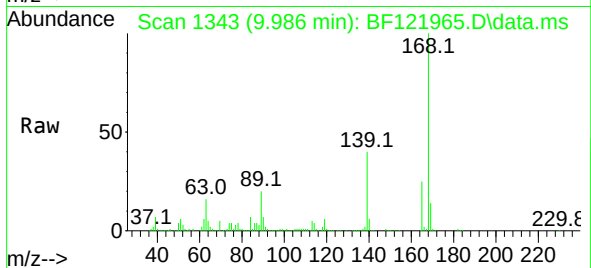




#57
2,4-Dinitrotoluene
Concen: 42.26 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

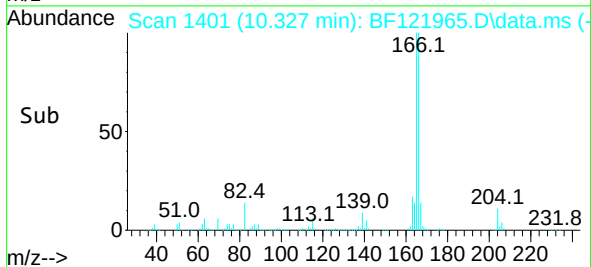
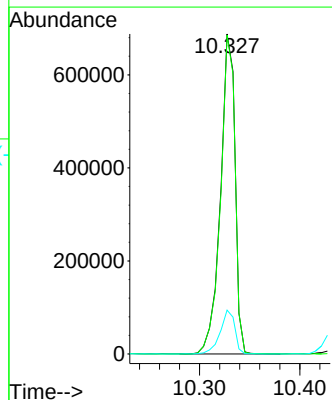
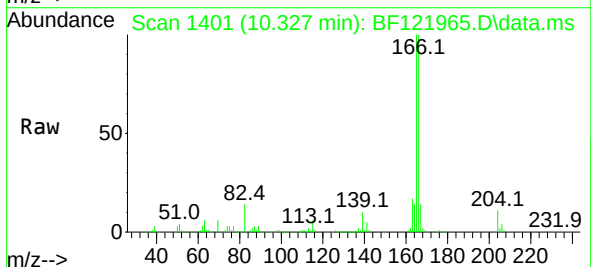
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

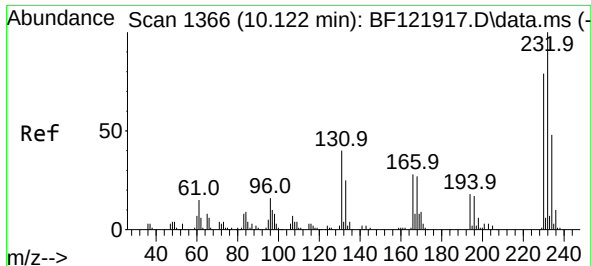
Tgt Ion:165 Resp: 211381
Ion Ratio Lower Upper
165 100
63 65.8 41.3 61.9#
89 82.2 61.8 92.8
182 2.7 2.1 3.1



#58
Fluorene
Concen: 40.27 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:166 Resp: 694283
Ion Ratio Lower Upper
166 100
165 99.7 79.1 118.7
167 13.7 11.0 16.6

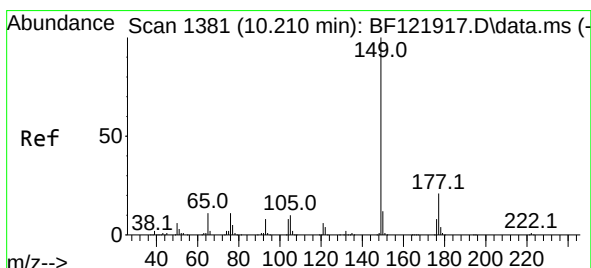
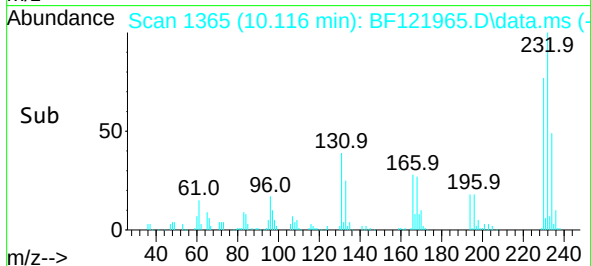
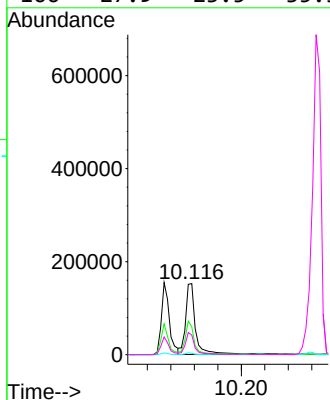
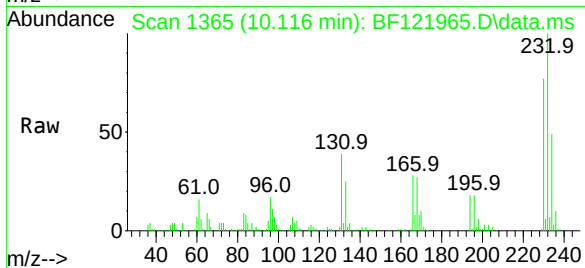




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.99 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

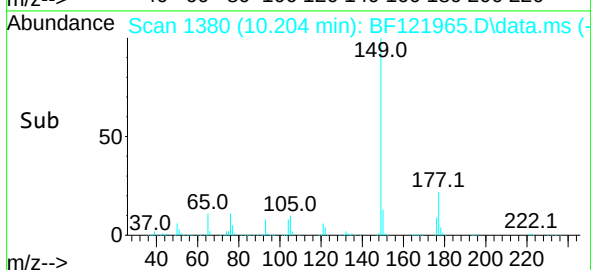
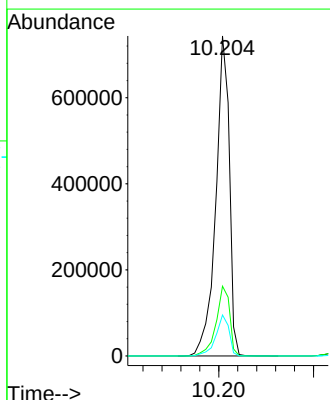
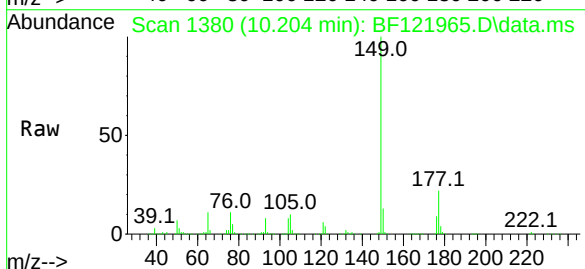
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

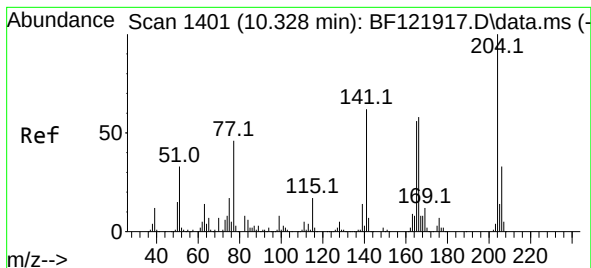
Tgt Ion:232 Resp: 176992
Ion Ratio Lower Upper
232 100
131 41.1 35.9 53.9
130 2.3 1.8 2.6
166 27.9 23.5 35.3



#60
Diethylphthalate
Concen: 41.24 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:149 Resp: 736503
Ion Ratio Lower Upper
149 100
177 21.8 18.1 27.1
150 12.8 10.3 15.5

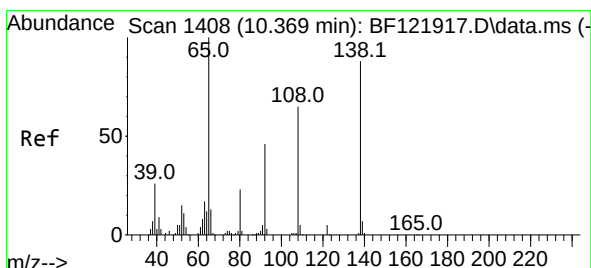
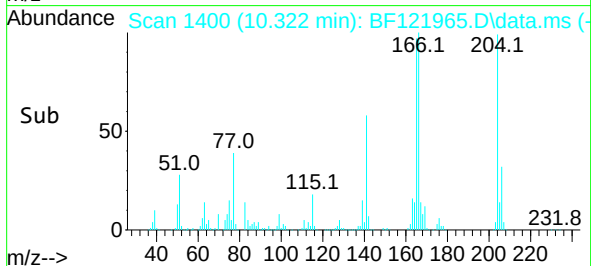
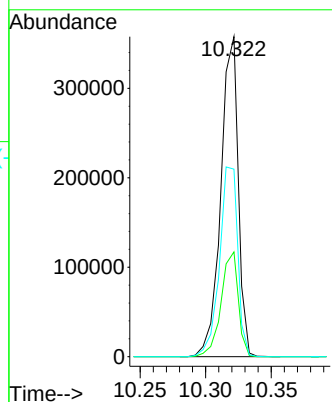
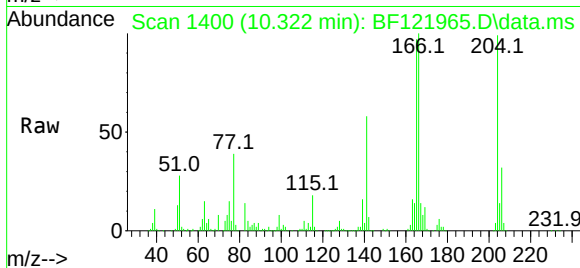




#61
4-Chlorophenyl-phenylether
Concen: 39.91 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

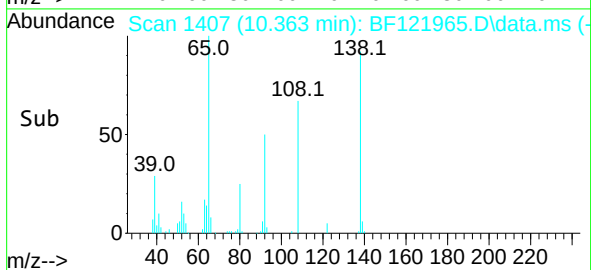
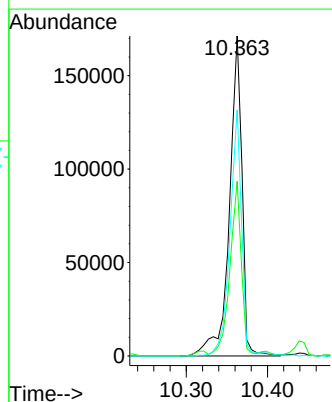
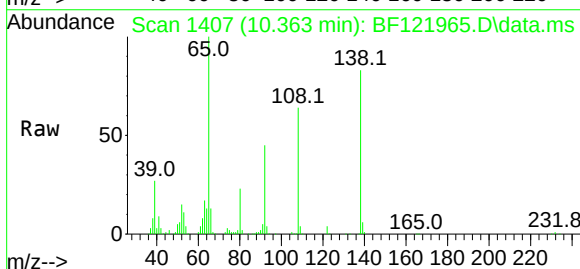
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

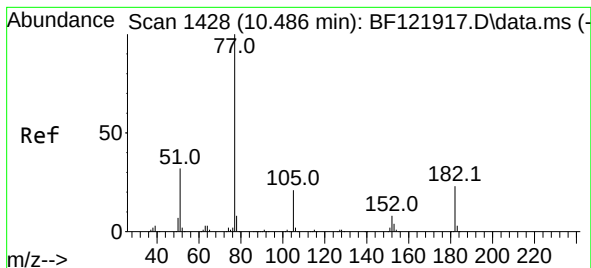
Tgt Ion:204 Resp: 329941
Ion Ratio Lower Upper
204 100
206 32.8 26.0 39.0
141 58.6 46.2 69.4



#62
4-Nitroaniline
Concen: 40.14 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:138 Resp: 185311
Ion Ratio Lower Upper
138 100
92 54.6 31.0 71.0
108 76.9 51.5 91.5





#63

Azobenzene

Concen: 40.93 ng

RT: 10.480 min Scan# 1427

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion: 77 Resp: 773006

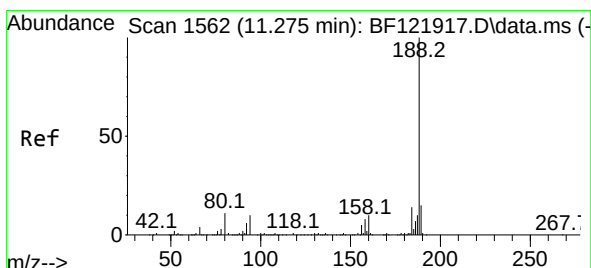
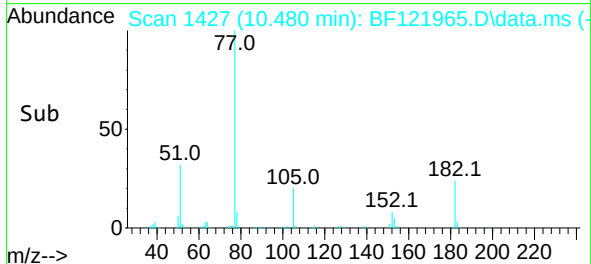
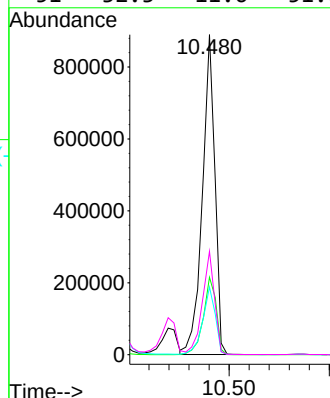
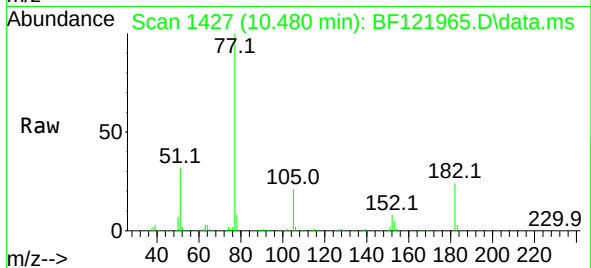
Ion Ratio Lower Upper

77 100

182 24.2 3.4 43.4

105 21.1 1.7 41.7

51 32.3 11.6 51.6



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

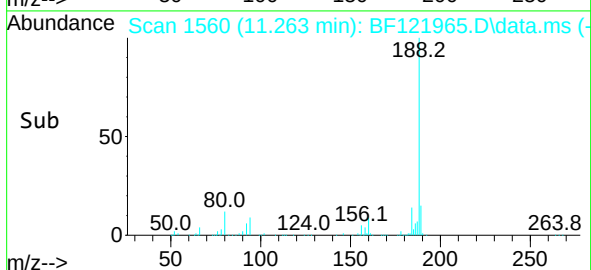
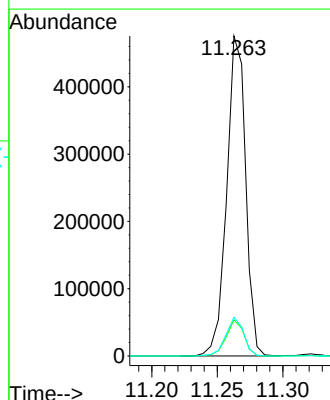
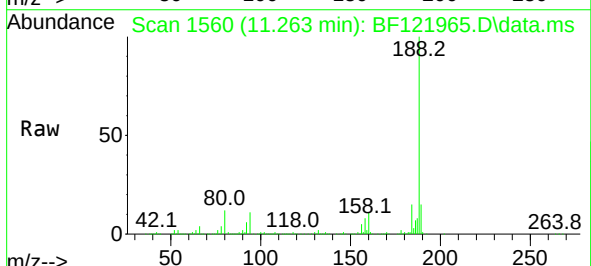
Tgt Ion: 188 Resp: 476685

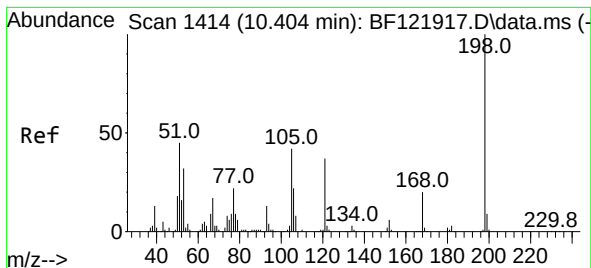
Ion Ratio Lower Upper

188 100

94 11.3 8.3 12.5

80 12.1 9.1 13.7

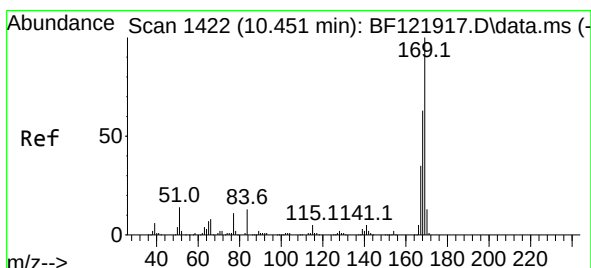
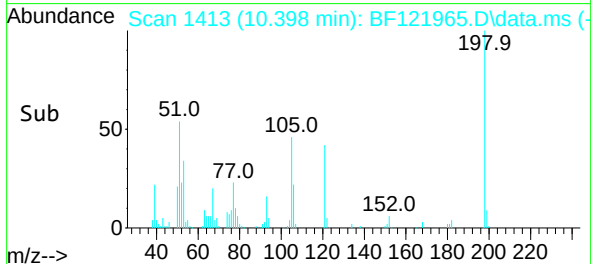
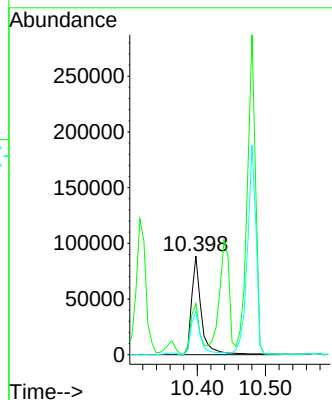
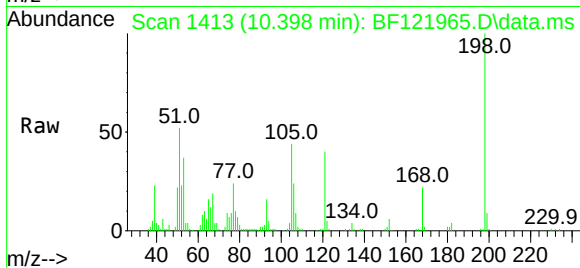




#65
4,6-Dinitro-2-methylphenol
Concen: 29.21 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

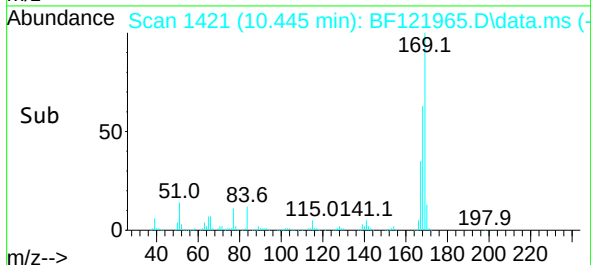
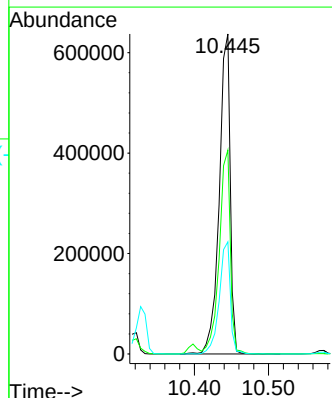
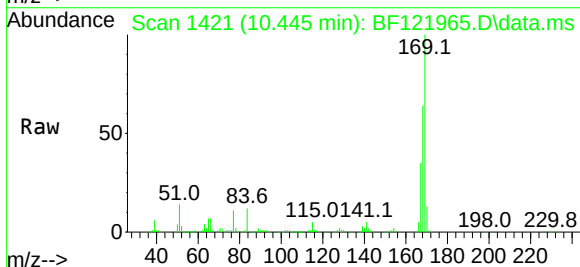
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

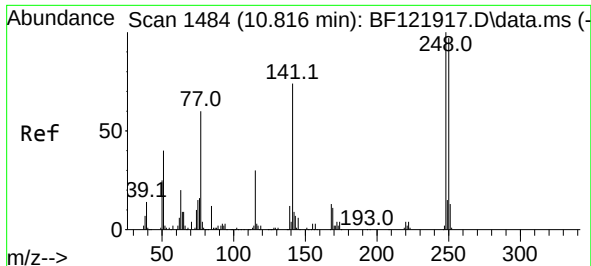
Tgt Ion:198 Resp: 87190
Ion Ratio Lower Upper
198 100
51 52.0 29.6 69.6
105 43.8 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 39.91 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:169 Resp: 655284
Ion Ratio Lower Upper
169 100
168 63.7 50.0 75.0
167 35.1 27.8 41.6

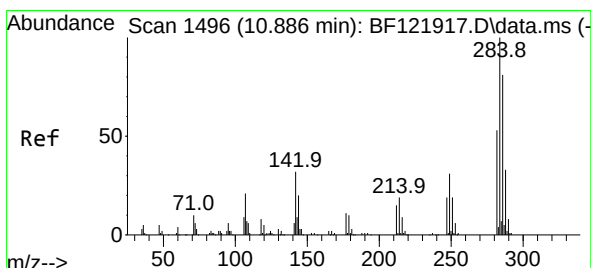
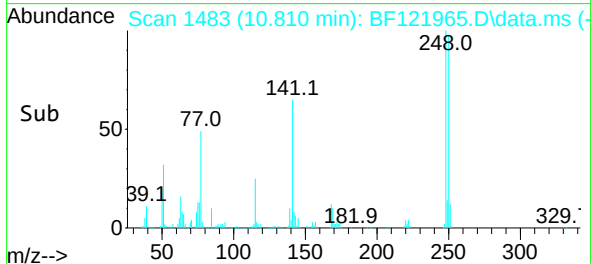
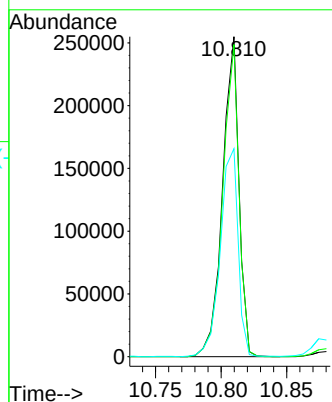
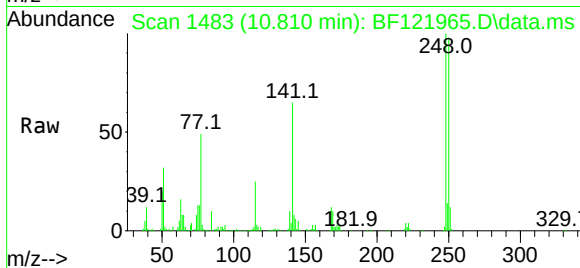




#67
4-Bromophenyl-phenylether
Concen: 40.24 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

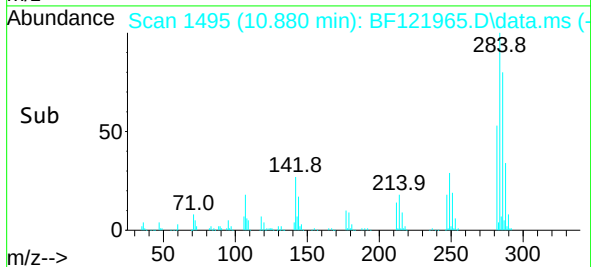
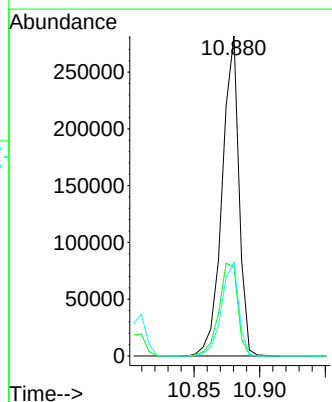
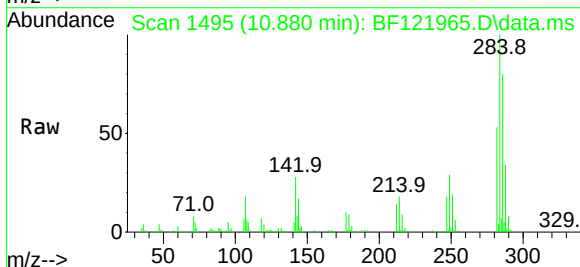
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

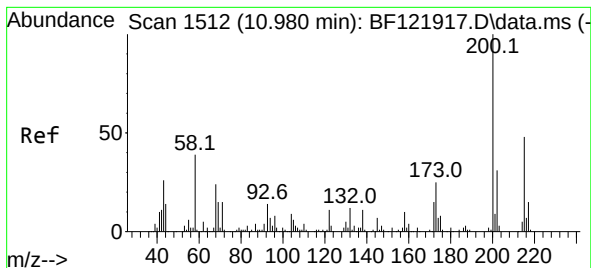
Tgt Ion:248 Resp: 221609
Ion Ratio Lower Upper
248 100
250 97.5 77.0 115.6
141 65.0 53.7 80.5



#68
Hexachlorobenzene
Concen: 40.20 ng
RT: 10.880 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:284 Resp: 250560
Ion Ratio Lower Upper
284 100
142 27.7 27.4 41.2
249 29.3 24.2 36.4





#69

Atrazine

Concen: 44.40 ng

RT: 10.969 min Scan# 1510

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion:200 Resp: 178260

Ion Ratio Lower Upper

200 100

173 27.6 7.5 47.5

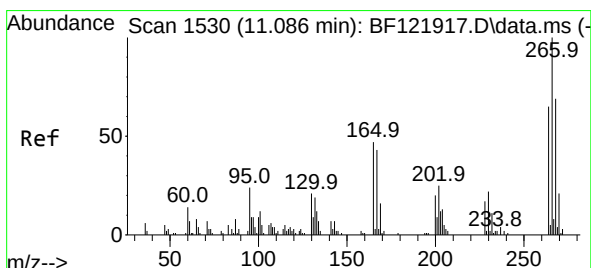
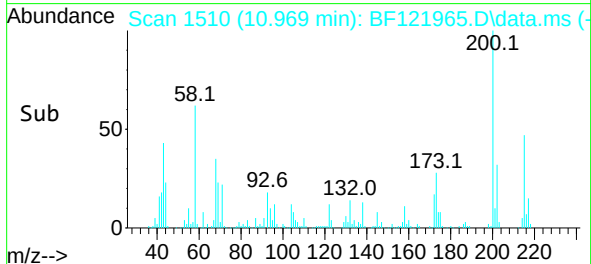
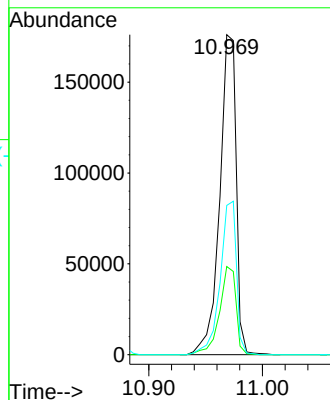
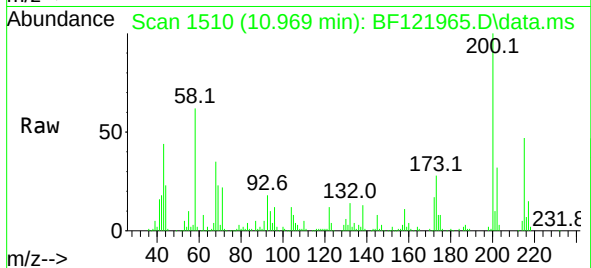
215 46.6 27.1 67.1

Instrument :

BNA_F

ClientSampleId :

BB-SOILMSD



#70

Pentachlorophenol

Concen: 56.48 ng

RT: 11.080 min Scan# 1529

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

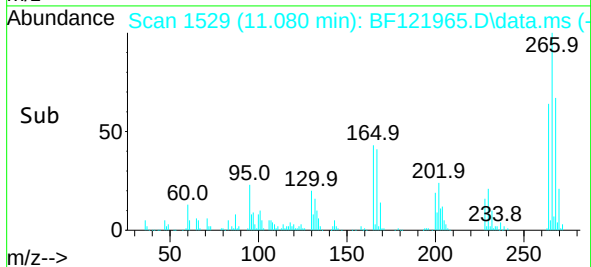
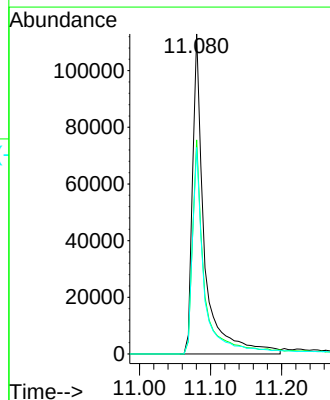
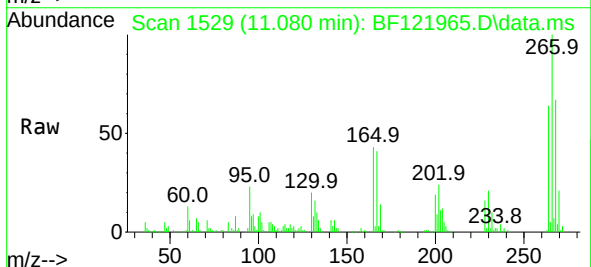
Tgt Ion:266 Resp: 132070

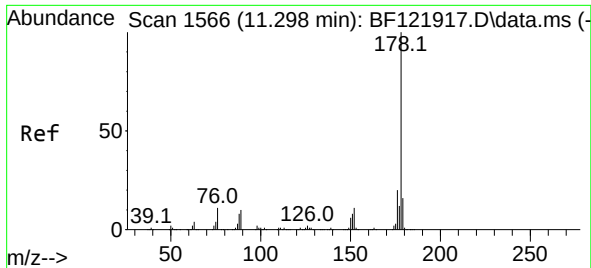
Ion Ratio Lower Upper

266 100

268 66.9 52.4 78.6

264 64.5 49.9 74.9

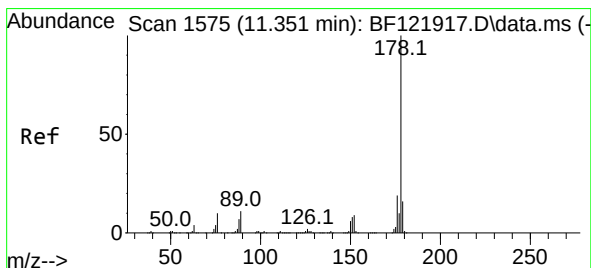
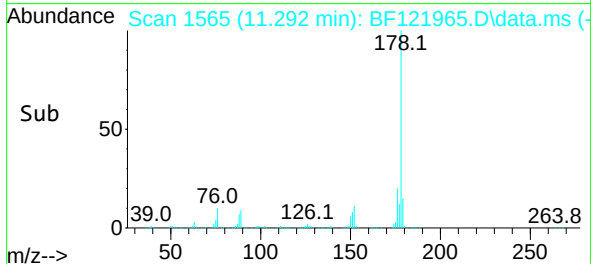
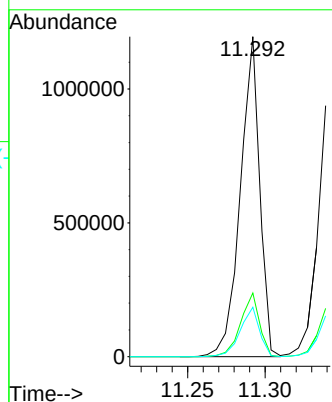
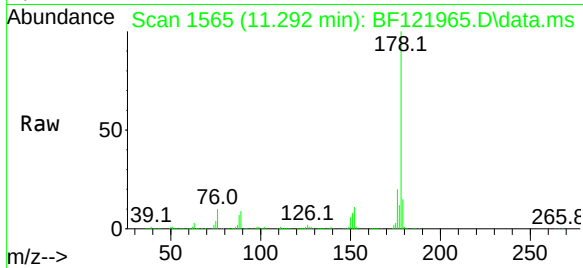




#71
Phenanthrene
Concen: 39.73 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

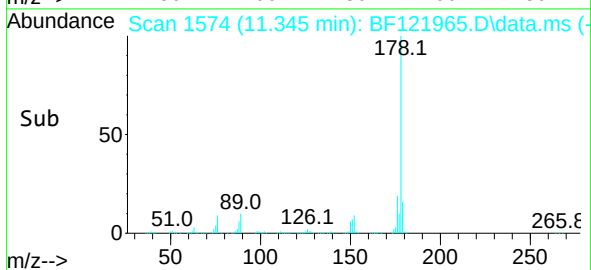
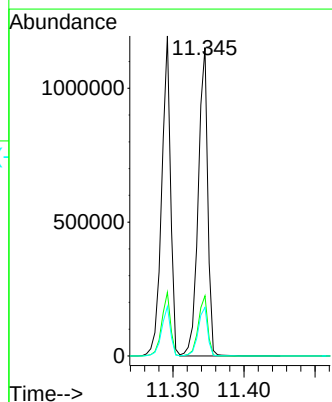
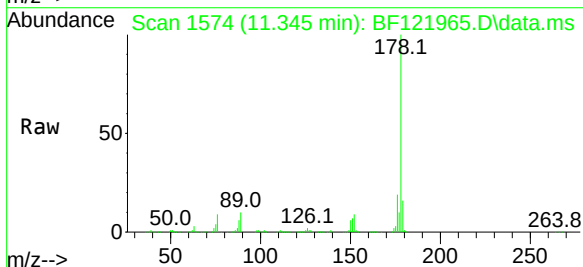
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

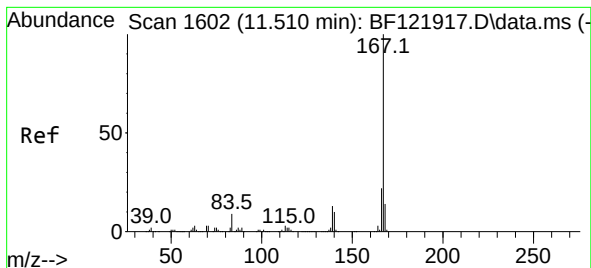
Tgt Ion:178 Resp: 1038545
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.4 12.2 18.4



#72
Anthracene
Concen: 39.54 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:178 Resp: 1071919
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.8 12.7 19.1





#73

Carbazole

Concen: 41.16 ng

RT: 11.504 min Scan# 1601

Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

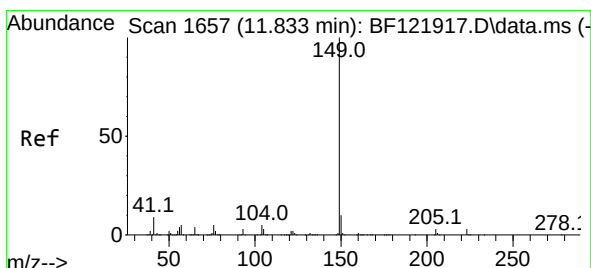
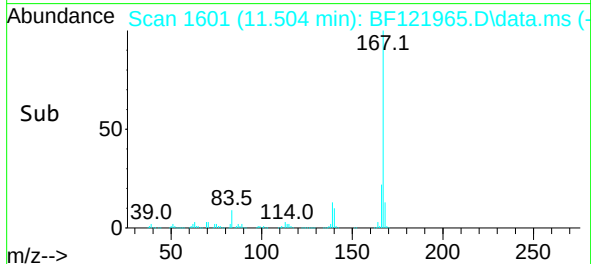
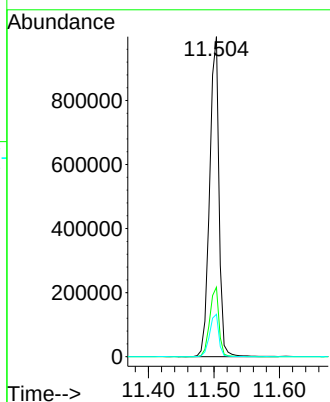
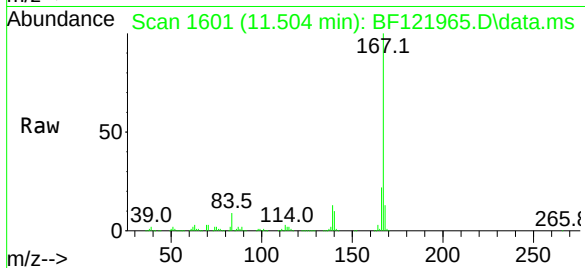
Tgt Ion:167	Resp: 992101
Ion Ratio	Lower Upper
167 100	
166 21.7	17.8 26.6
139 13.2	10.8 16.2

Instrument :

BNA_F

ClientSampleId :

BB-SOILMSD



#74

Di-n-butylphthalate

Concen: 40.06 ng

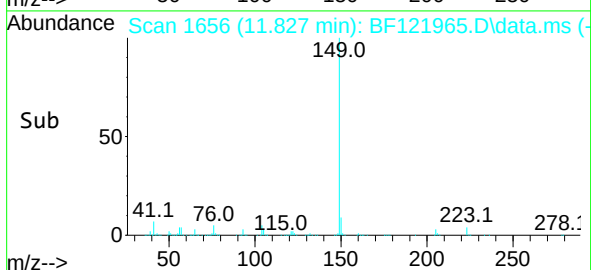
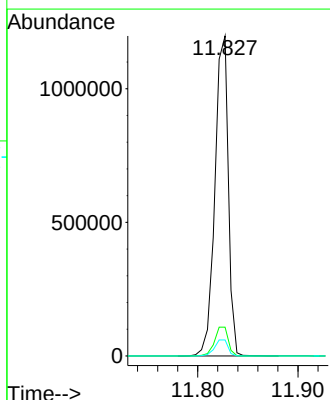
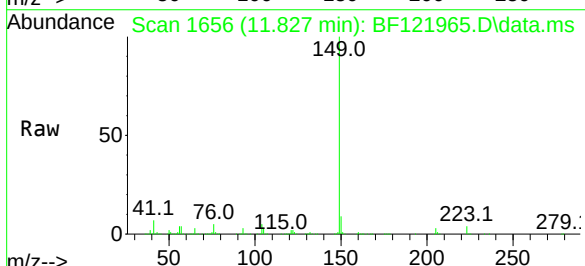
RT: 11.827 min Scan# 1656

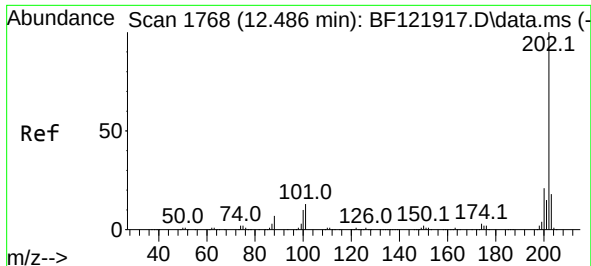
Delta R.T. -0.006 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

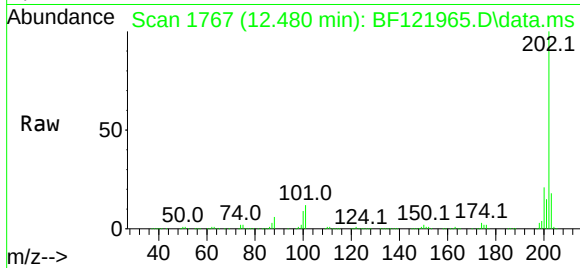
Tgt Ion:149	Resp: 1110794		
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.7	11.5
104	5.0	4.2	6.2



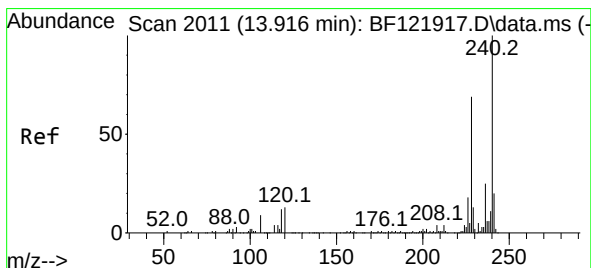
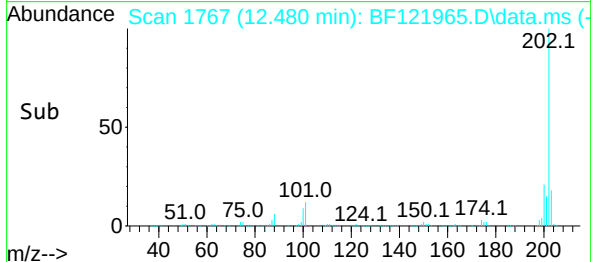
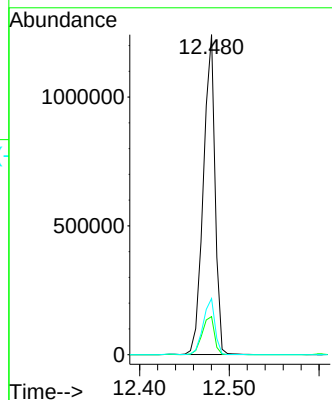


#75
Fluoranthene
Concen: 39.97 ng
RT: 12.480 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

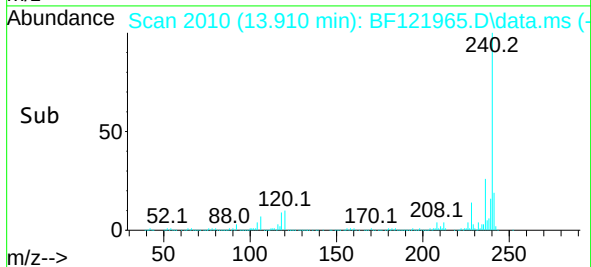
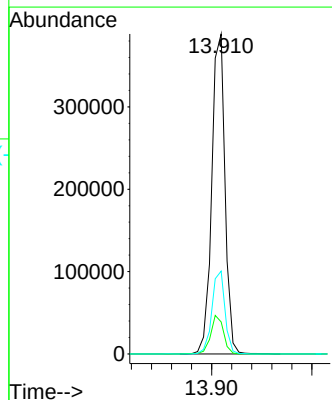
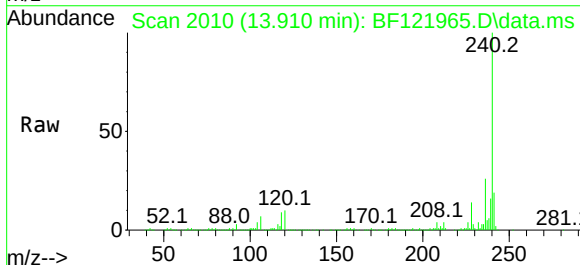


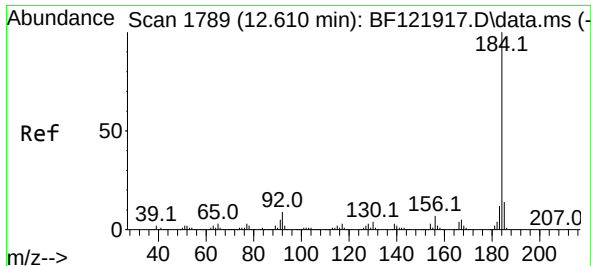
Tgt Ion:202 Resp: 1120253
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.4
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:240 Resp: 357241
Ion Ratio Lower Upper
240 100
120 10.0 9.2 13.8
236 25.9 20.9 31.3

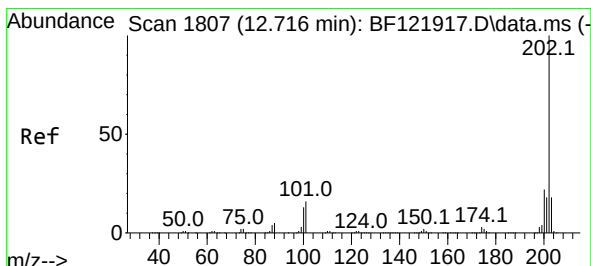
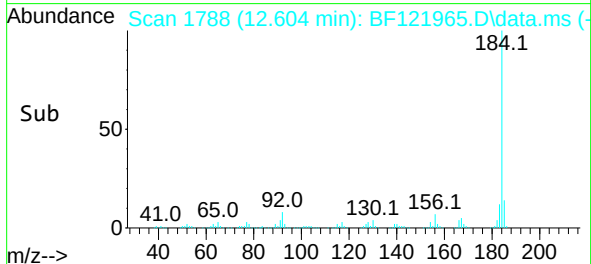
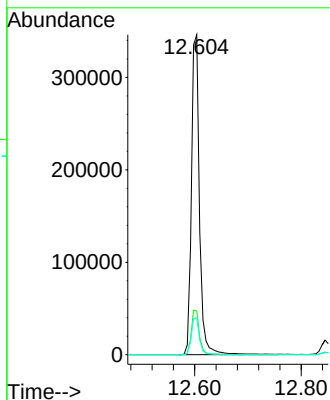
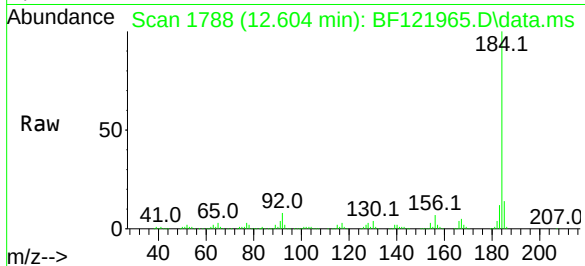




#77
Benzidine
Concen: 33.04 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

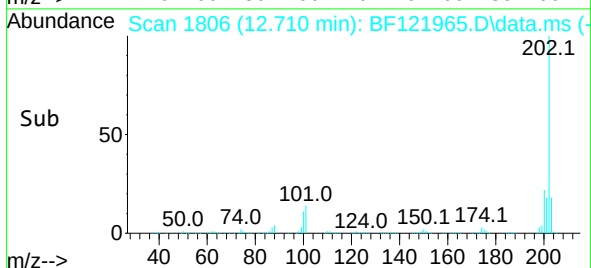
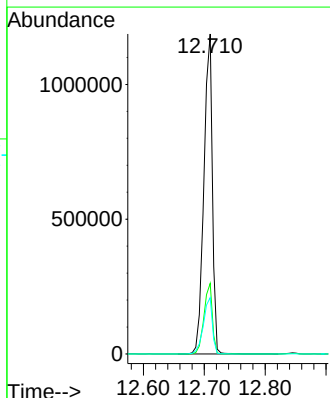
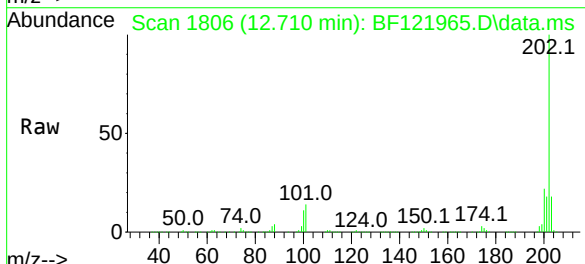
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

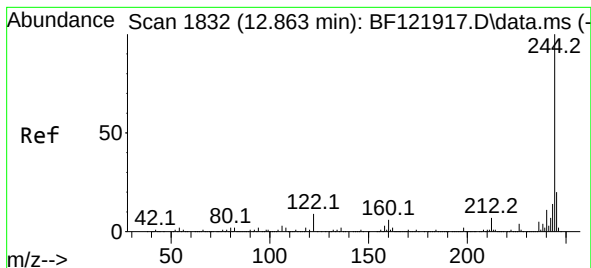
Tgt Ion:184 Resp: 363893
Ion Ratio Lower Upper
184 100
185 13.7 11.6 17.4
183 11.5 9.4 14.0



#78
Pyrene
Concen: 42.08 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

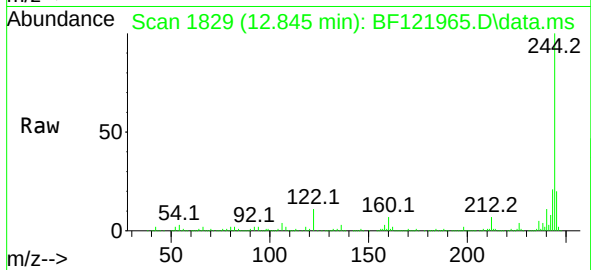
Tgt Ion:202 Resp: 1145608
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 17.6 14.6 21.8



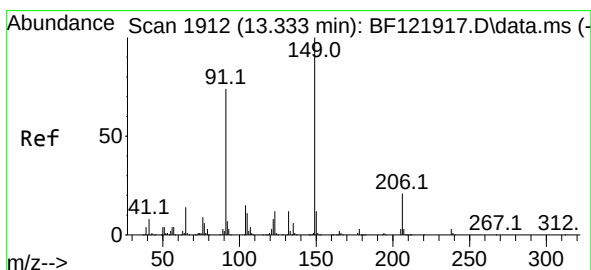
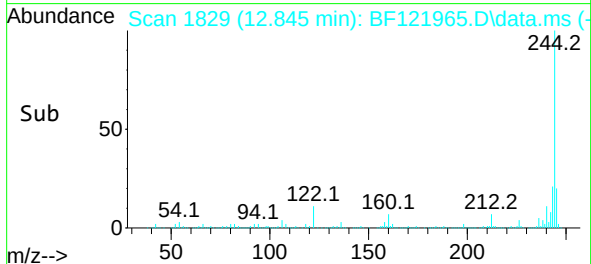
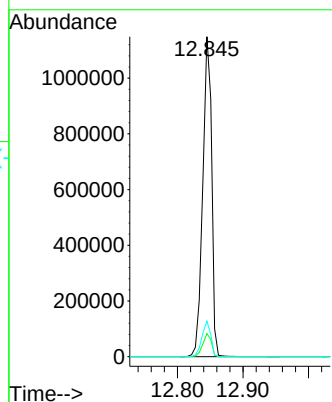


#79
 Terphenyl-d14
 Concen: 58.15 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.018 min
 Lab File: BF121965.D
 Acq: 14 Oct 2020 19:07

Instrument :
 BNA_F
 ClientSampleId :
 BB-SOILMSD

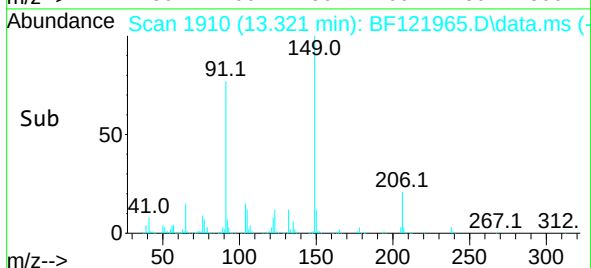
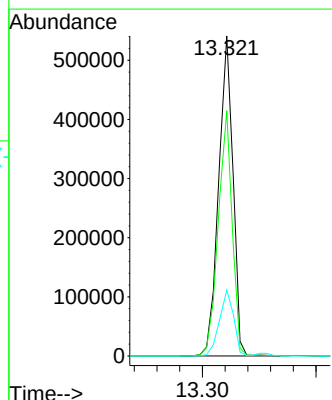
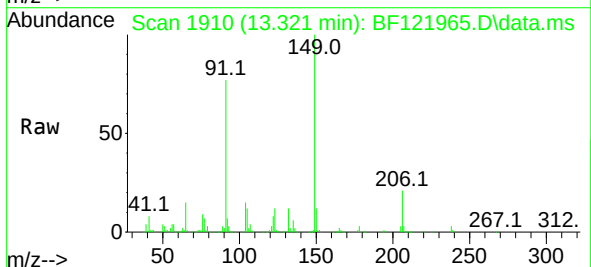


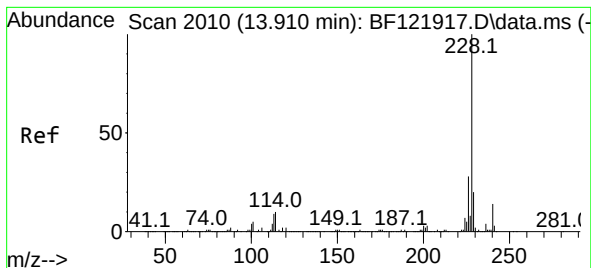
Tgt Ion:244 Resp: 1090099
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 11.1 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 43.93 ng
 RT: 13.321 min Scan# 1910
 Delta R.T. -0.012 min
 Lab File: BF121965.D
 Acq: 14 Oct 2020 19:07

Tgt Ion:149 Resp: 474285
 Ion Ratio Lower Upper
 149 100
 91 76.6 61.0 91.4
 206 20.6 16.7 25.1

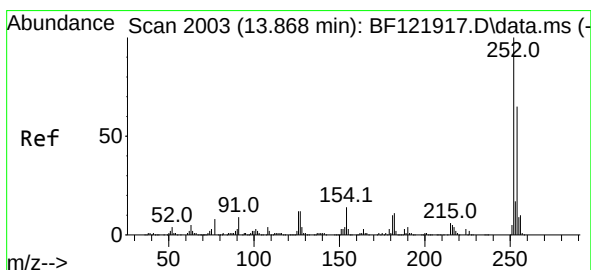
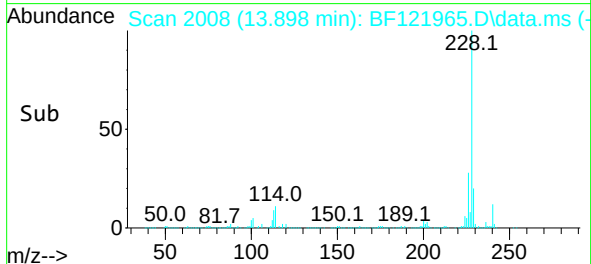
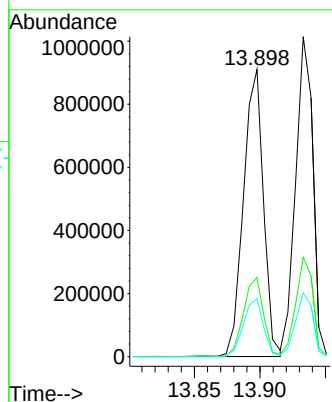
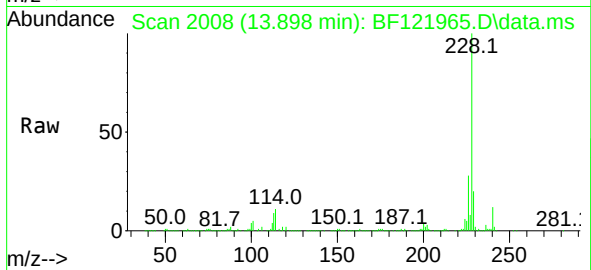




#81
Benzo(a)anthracene
Concen: 40.99 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

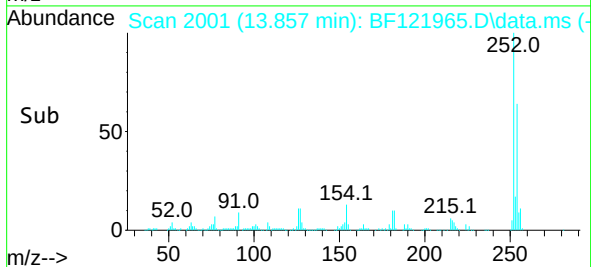
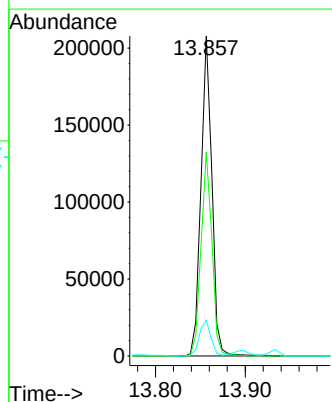
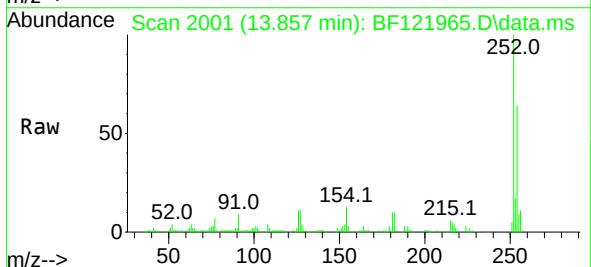
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

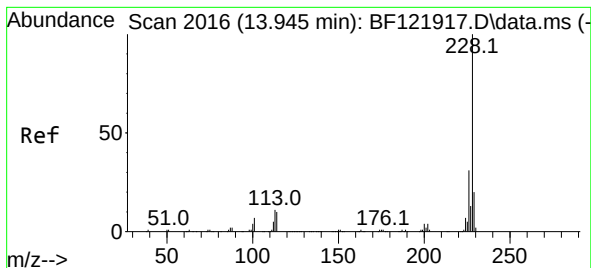
Tgt Ion:228 Resp: 959586
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 20.2 16.2 24.4



#82
3,3'-Dichlorobenzidine
Concen: 20.24 ng
RT: 13.857 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:252 Resp: 175733
Ion Ratio Lower Upper
252 100
254 63.8 51.8 77.6
126 11.2 8.8 13.2





#83

Chrysene

Concen: 40.52 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

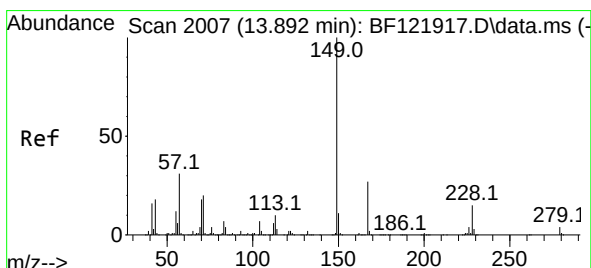
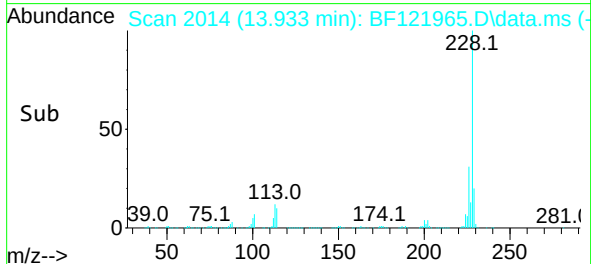
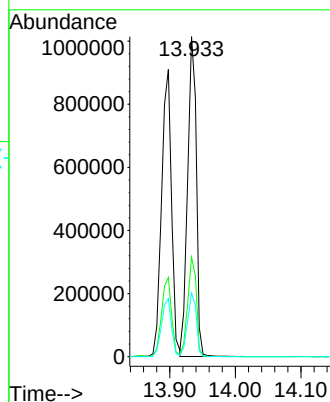
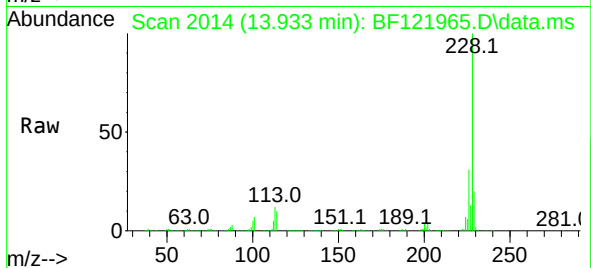
Tgt Ion:228 Resp: 931324

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

229 19.9 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.42 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

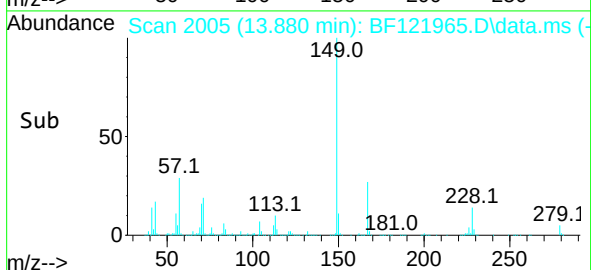
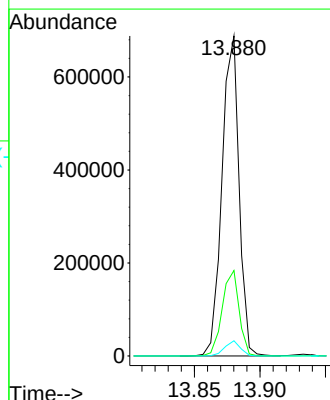
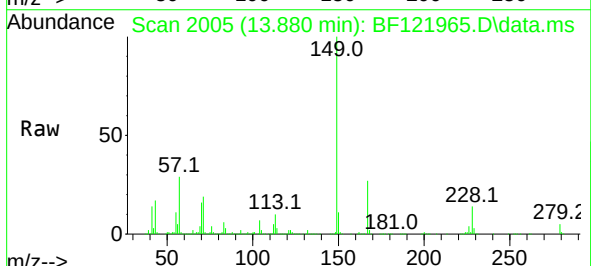
Tgt Ion:149 Resp: 621747

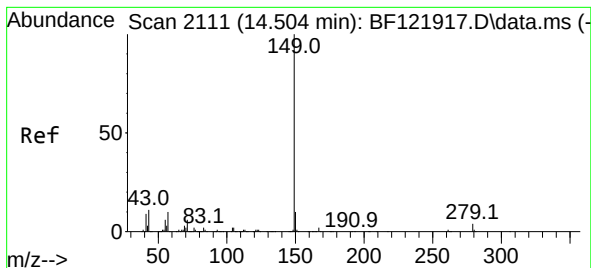
Ion Ratio Lower Upper

149 100

167 26.7 20.9 31.3

279 4.7 3.2 4.8

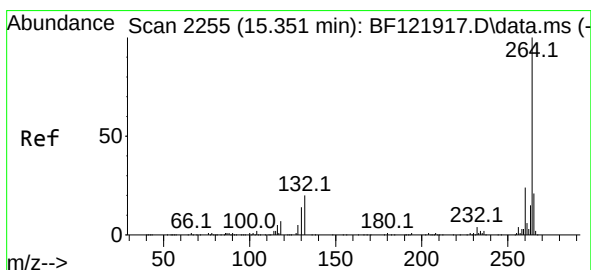
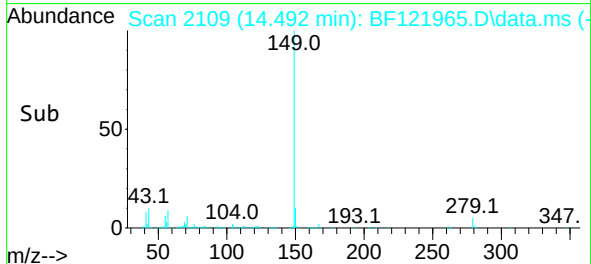
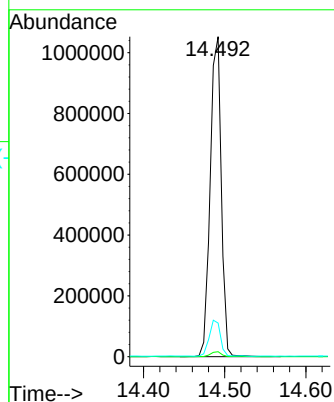
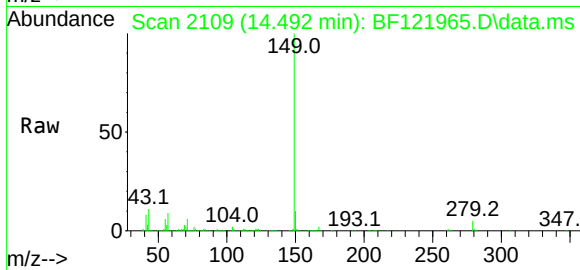




#85
Di-n-octyl phthalate
Concen: 41.90 ng
RT: 14.492 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

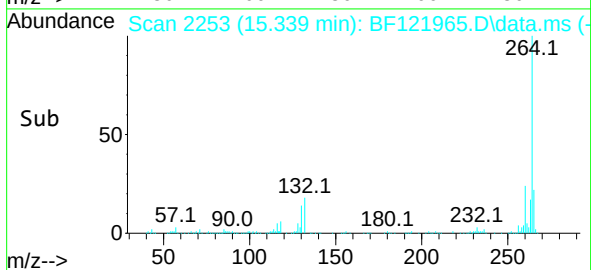
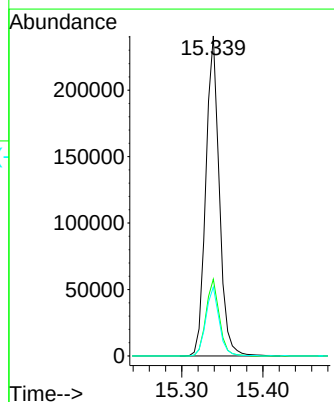
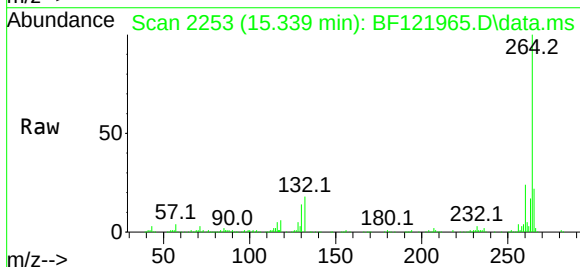
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

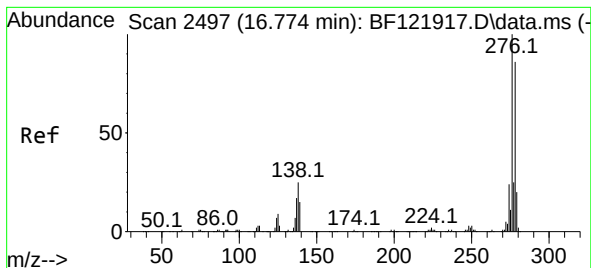
Tgt Ion:149 Resp: 993484
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.3 9.0 13.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:264 Resp: 277023
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 21.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.09 ng

RT: 16.762 min Scan# 2495

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

Tgt Ion:276 Resp: 828995

Ion Ratio Lower Upper

276 100

138 24.1 19.9 29.9

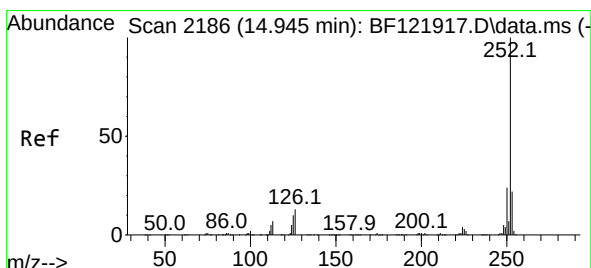
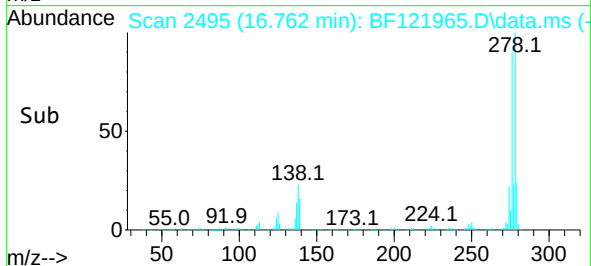
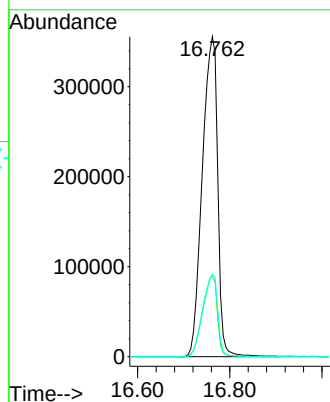
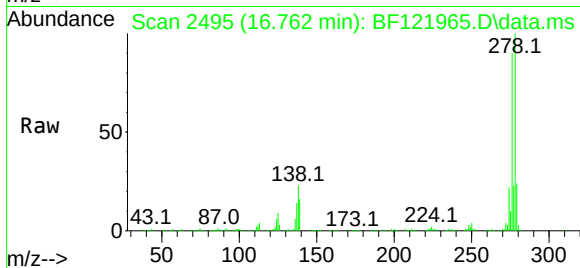
277 25.2 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

BB-SOILMSD



#88

Benzo(b)fluoranthene

Concen: 45.63 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF121965.D

Acq: 14 Oct 2020 19:07

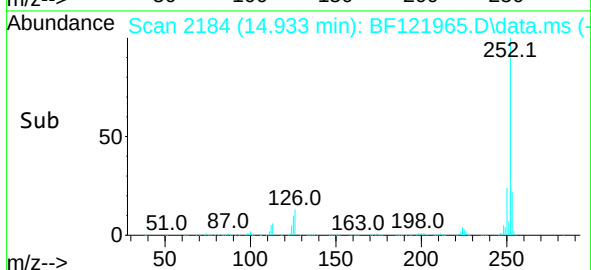
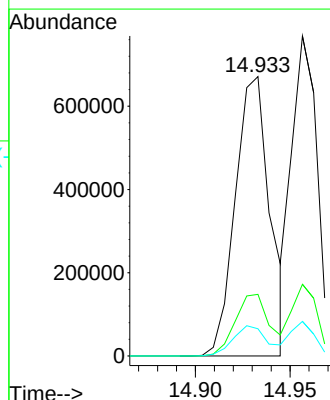
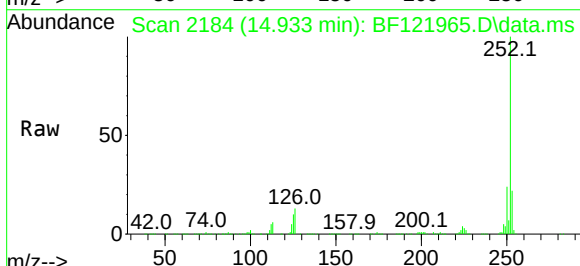
Tgt Ion:252 Resp: 854405

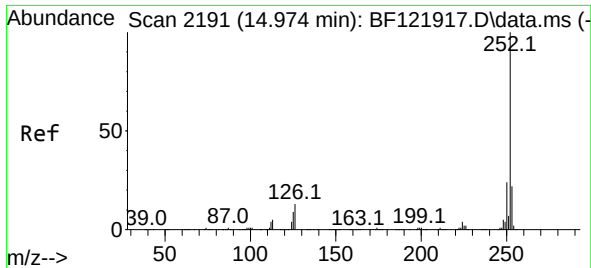
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 9.7 8.0 12.0

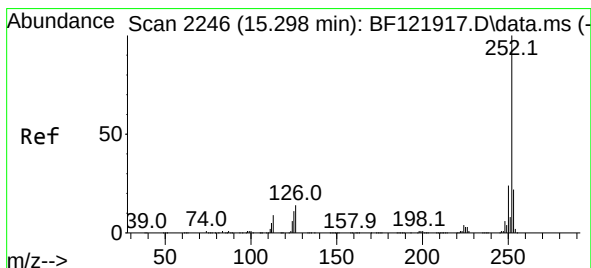
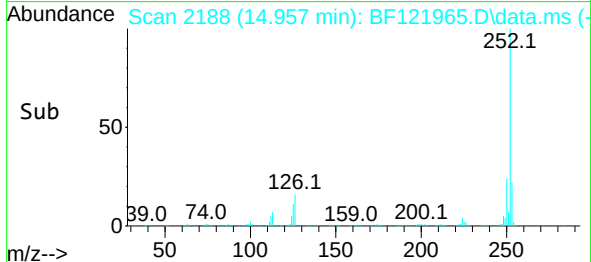
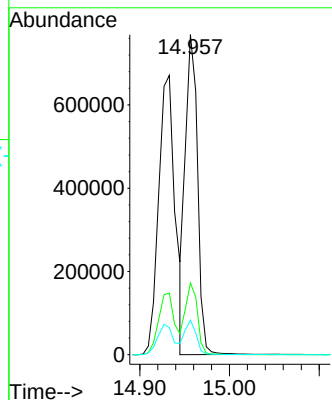
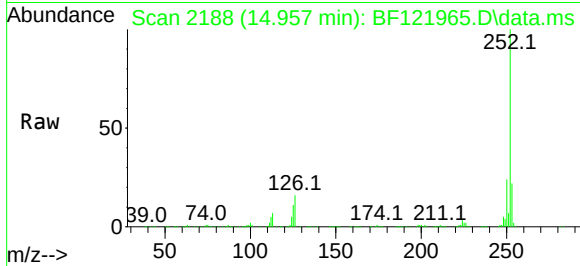




#89
Benzo(k)fluoranthene
Concen: 40.97 ng
RT: 14.957 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

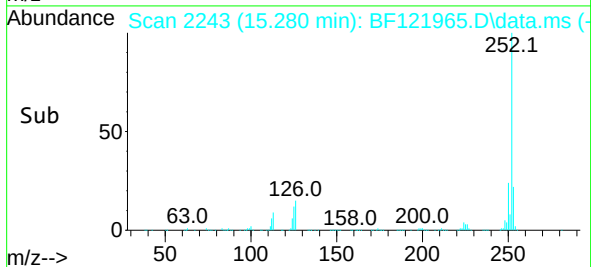
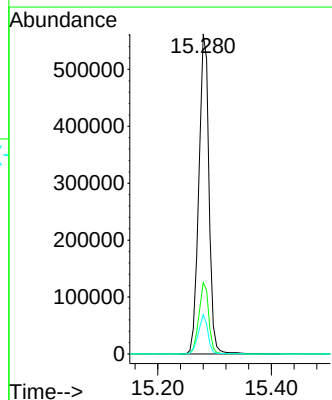
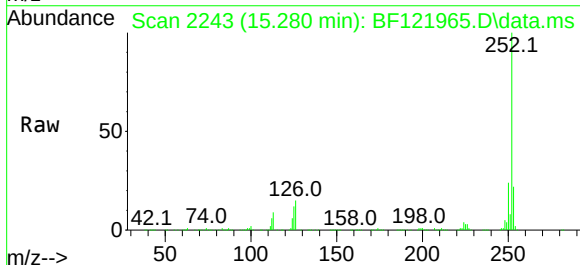
Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

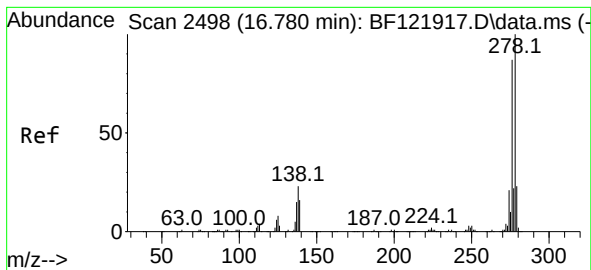
Tgt Ion:252 Resp: 728864
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 10.8 7.7 11.5



#90
Benzo(a)pyrene
Concen: 43.29 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.018 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:252 Resp: 700071
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 12.3 8.6 13.0

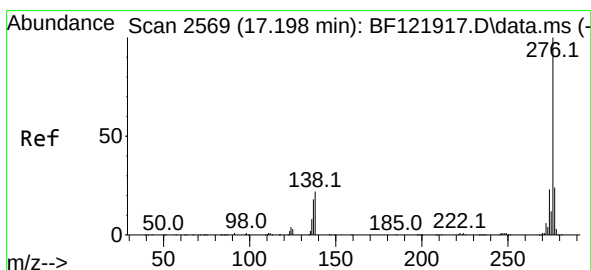
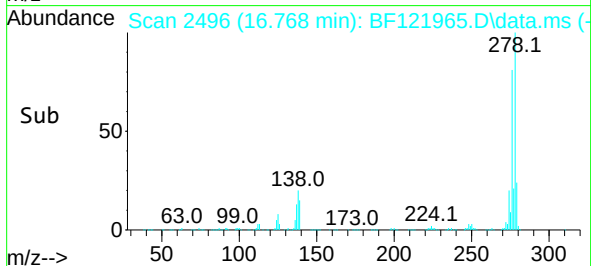
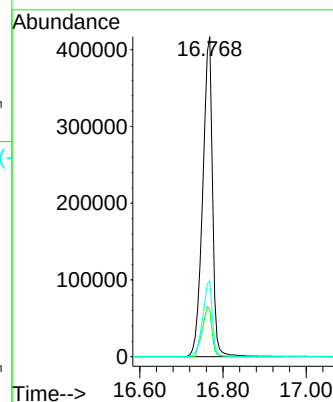
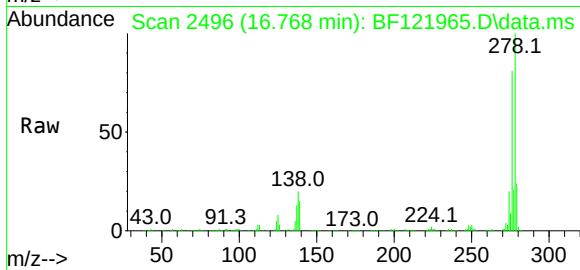




#91
Dibenzo(a,h)anthracene
Concen: 45.97 ng
RT: 16.768 min Scan# 2496
Delta R.T. -0.012 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Instrument :
BNA_F
ClientSampleId :
BB-SOILMSD

Tgt Ion:278 Resp: 680828
Ion Ratio Lower Upper
278 100
139 14.7 13.0 19.4
279 23.5 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 47.89 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.018 min
Lab File: BF121965.D
Acq: 14 Oct 2020 19:07

Tgt Ion:276 Resp: 709881
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.2
138 21.5 17.8 26.6

