

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130855.D
 Acq On : 29 Oct 2022 14:12
 Operator : CG\JU
 Sample : N5286-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BBS-SOILCUT-1026

Quant Time: Oct 30 23:23:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

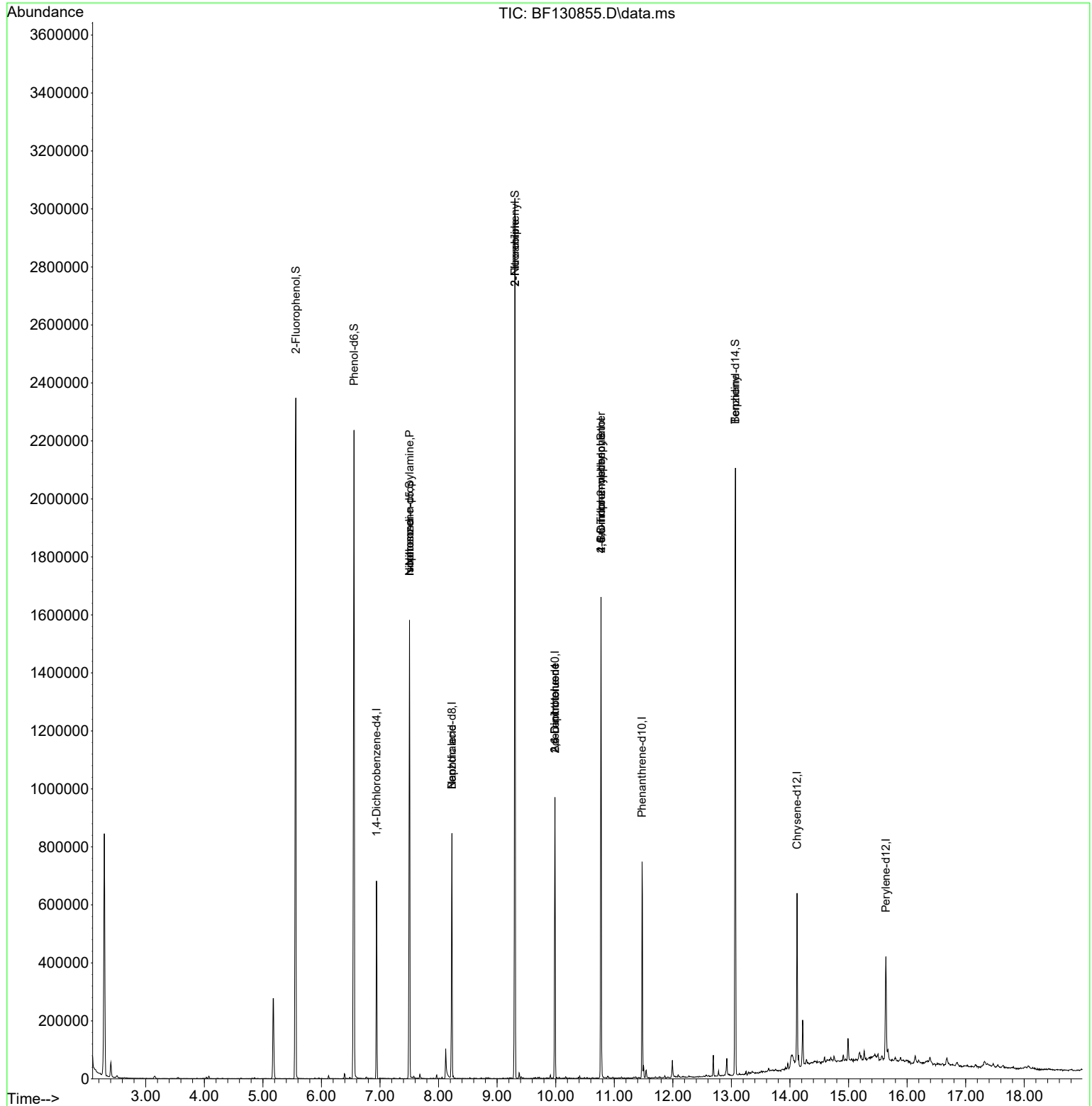
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	87931	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	335244	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	168937	20.000	ng	-0.01
64) Phenanthrene-d10	11.474	188	259968	20.000	ng	-0.01
76) Chrysene-d12	14.121	240	179949	20.000	ng	#-0.01
86) Perylene-d12	15.639	264	153992	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	595285	117.364	ng	0.00
7) Phenol-d6	6.557	99	773372	117.334	ng	0.00
23) Nitrobenzene-d5	7.504	82	489336	88.015	ng	-0.01
42) 2,4,6-Tribromophenol	10.774	330	161384	113.482	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	867960	77.677	ng	0.00
79) Terphenyl-d14	13.068	244	653719	66.569	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	67461	15.043	ng	# 80
25) Isophorone	7.504	82	488440	42.603	ng	# 66
32) Benzoic acid	8.228	122	58	7.694	ng	# 1
48) 2-Nitroaniline	9.304	65	1686	4.643	ng	# 1
51) 2,6-Dinitrotoluene	9.986	165	21192	11.838	ng	# 15
57) 2,4-Dinitrotoluene	9.986	165	21192	10.763	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.774	198	487	8.302	ng	# 1
67) 4-Bromophenyl-phenylether	10.774	248	10579	4.046	ng	# 1
77) Benzidine	13.068	184	11002	2.519	ng	# 91

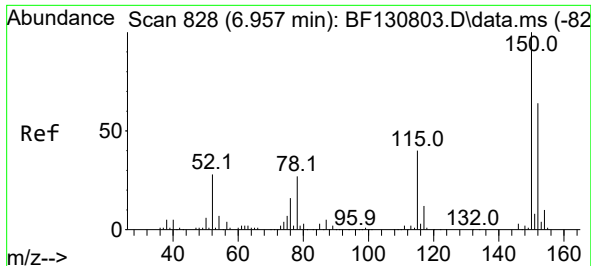
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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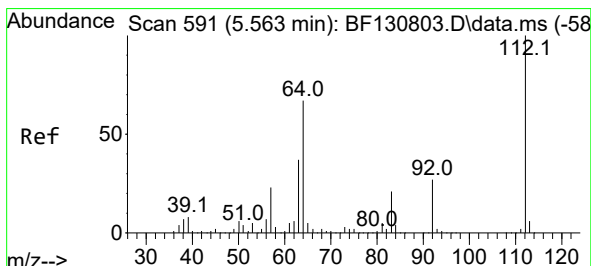
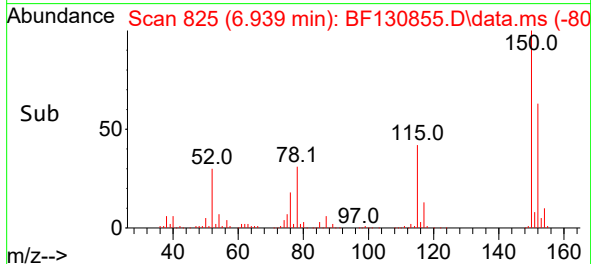
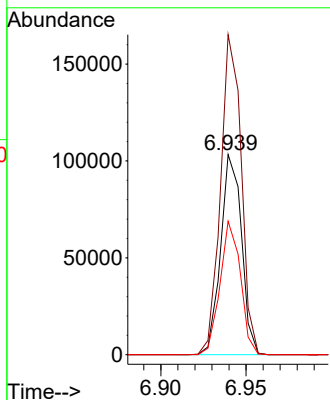
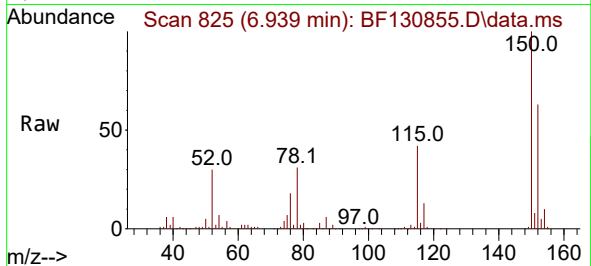




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

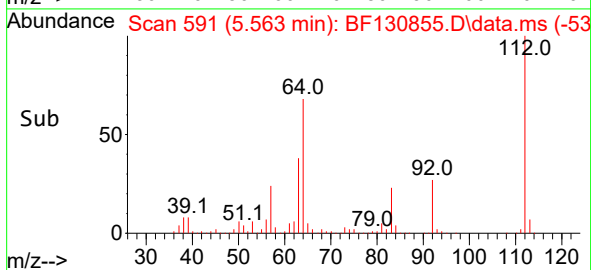
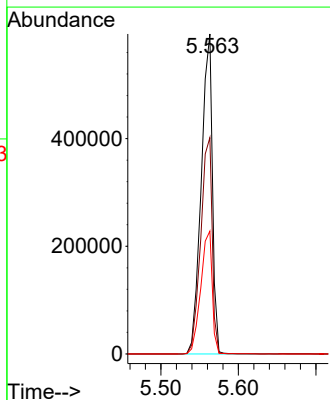
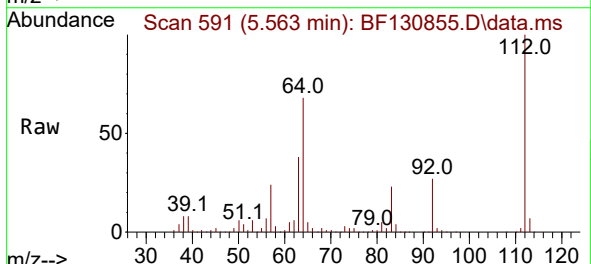
Instrument :
BNA_F
ClientSampleId :
BBS-SOILCUT-1026

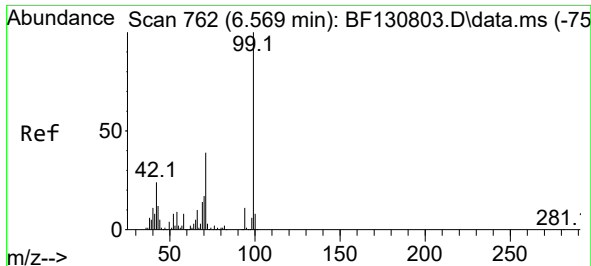
Tgt Ion:152 Resp: 87931
Ion Ratio Lower Upper
152 100
150 159.8 124.1 186.1
115 66.6 50.1 75.1



#5
2-Fluorophenol
Concen: 117.364 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Tgt Ion:112 Resp: 595285
Ion Ratio Lower Upper
112 100
64 67.6 53.9 80.9
63 38.4 29.4 44.2

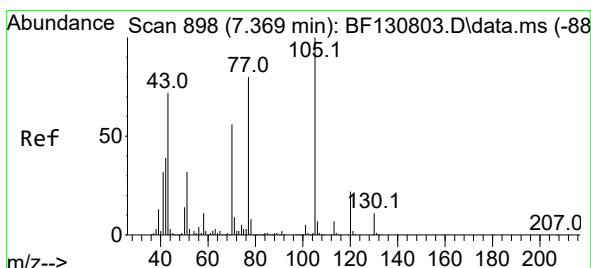
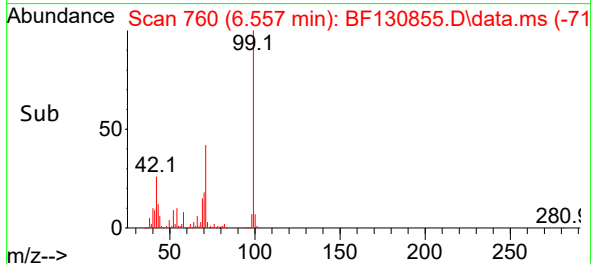
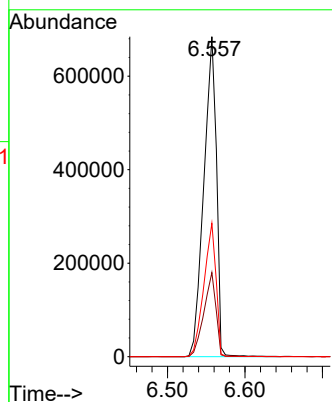
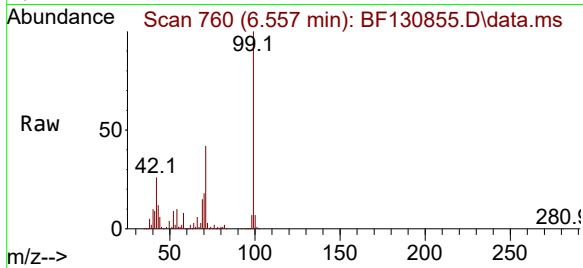




#7
Phenol-d6
Concen: 117.334 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

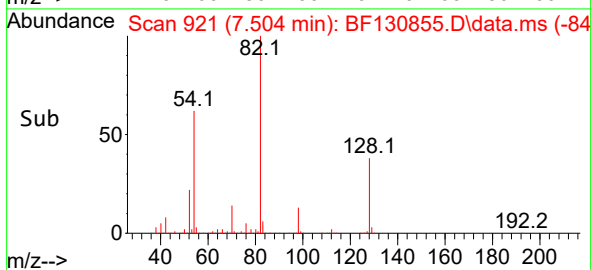
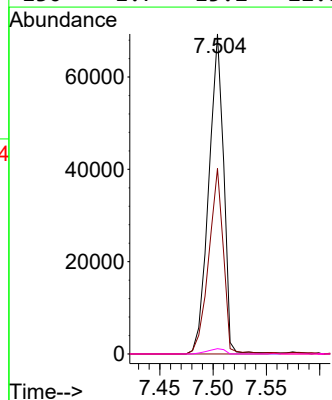
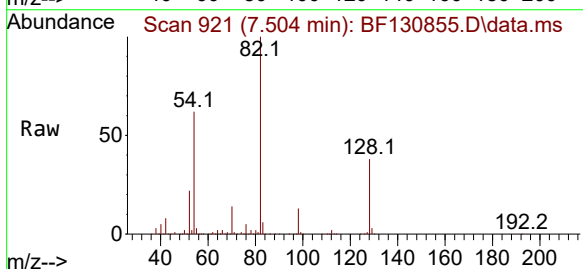
Instrument :
BNA_F
ClientSampleId :
BBS-SOILCUT-1026

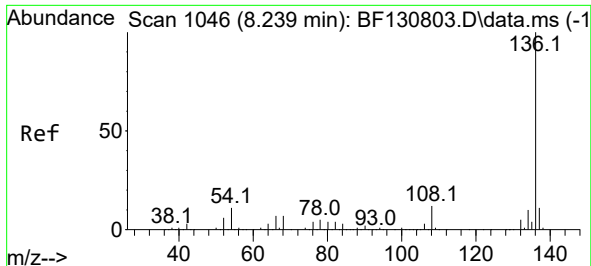
Tgt Ion: 99 Resp: 773372
Ion Ratio Lower Upper
99 100
42 26.3 18.8 28.2
71 41.7 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.043 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

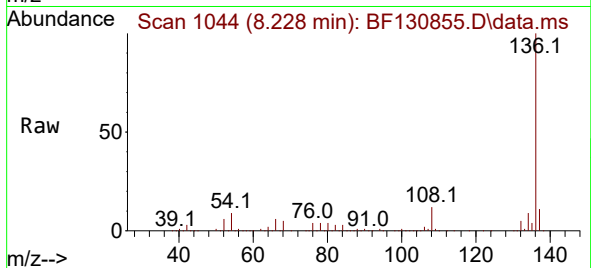
Tgt Ion: 70 Resp: 67461
Ion Ratio Lower Upper
70 100
42 58.0 56.1 84.1
101 0.0 7.3 10.9#
130 1.7 15.2 22.8#



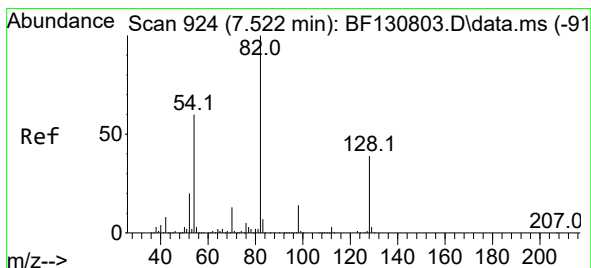
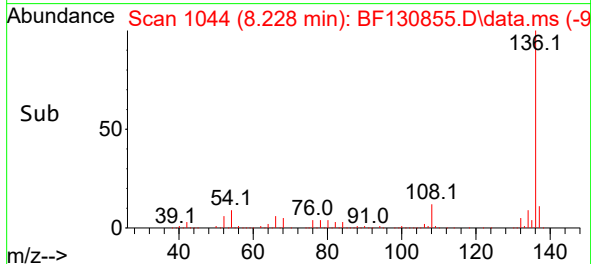
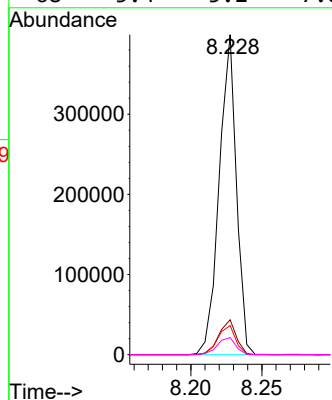


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Instrument :
BNA_F
ClientSampleId :
BBS-SOILCUT-1026

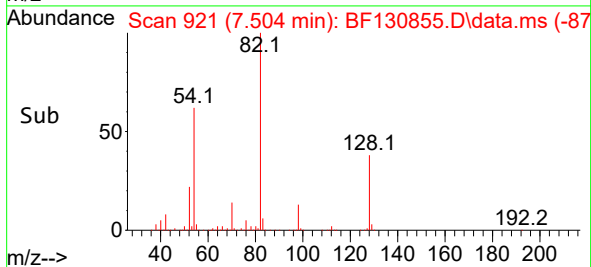
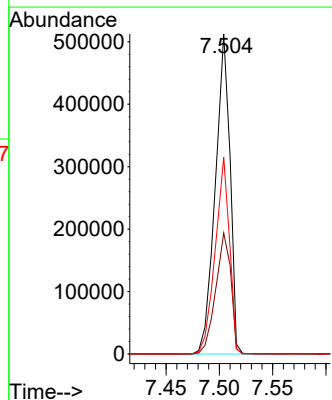
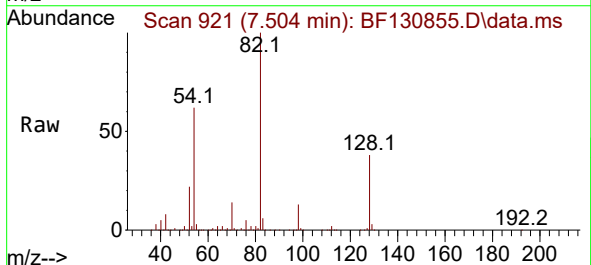


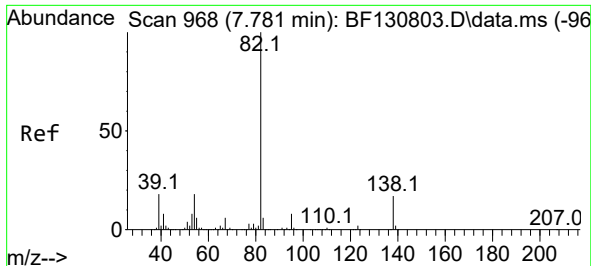
Tgt Ion:136 Resp: 335244
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.1 8.8 13.2
68 5.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 88.015 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Tgt Ion: 82 Resp: 489336
Ion Ratio Lower Upper
82 100
128 37.8 31.2 46.8
54 61.6 48.0 72.0

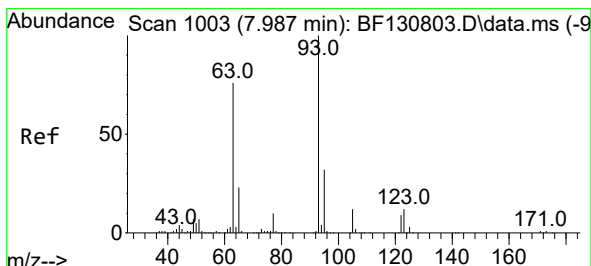
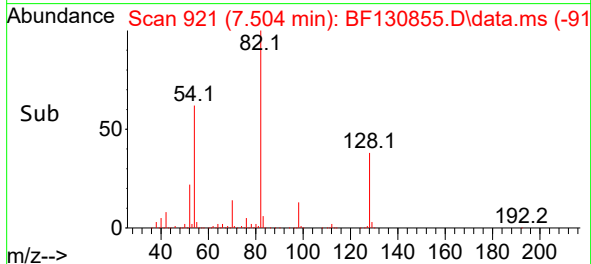
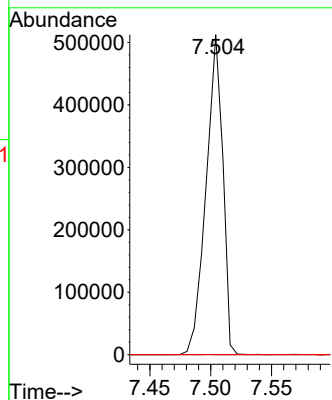
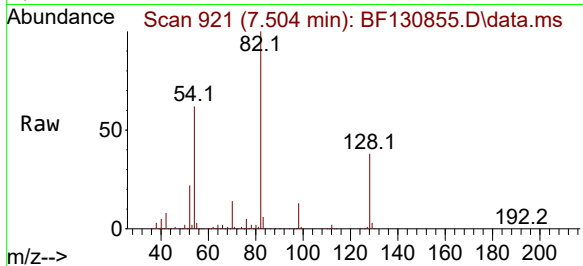




#25
Isophorone
Concen: 42.603 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

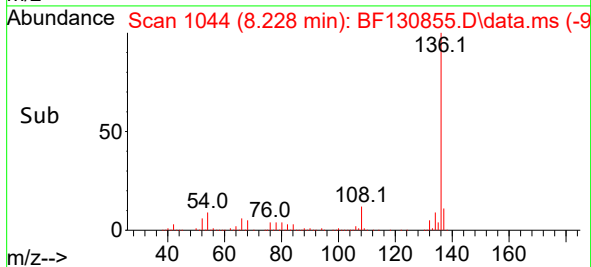
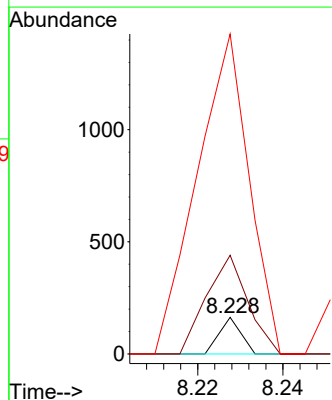
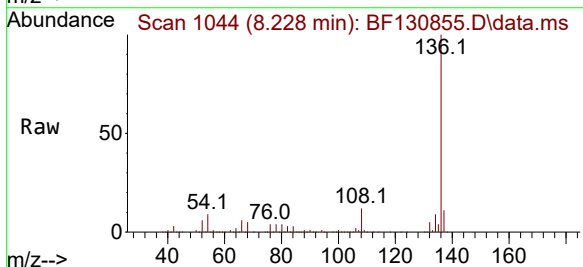
Instrument :
BNA_F
ClientSampleId :
BBS-SOILCUT-1026

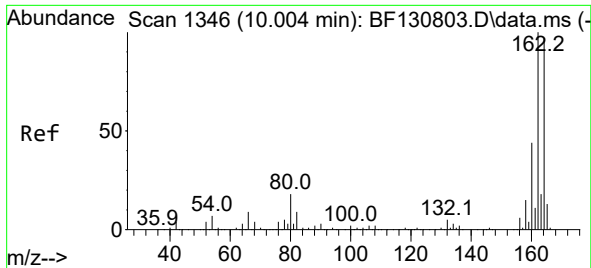
Tgt Ion: 82 Resp: 488440
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.694 ng
RT: 8.228 min Scan# 1044
Delta R.T. 0.241 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

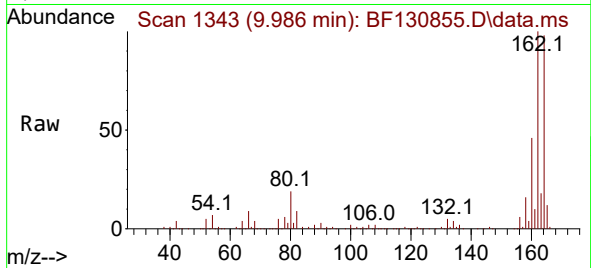
Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 269.9 114.5 154.5#
77 875.5 89.8 129.8#



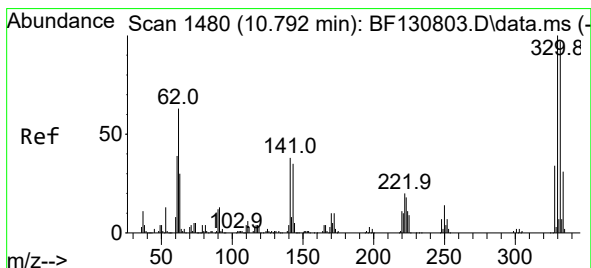
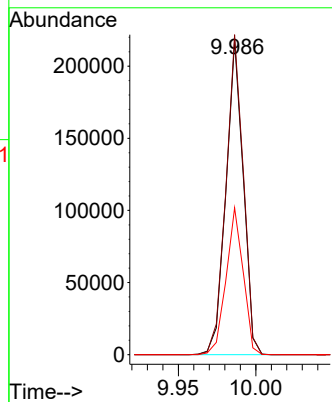
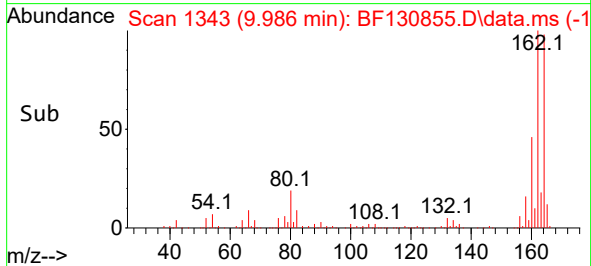


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

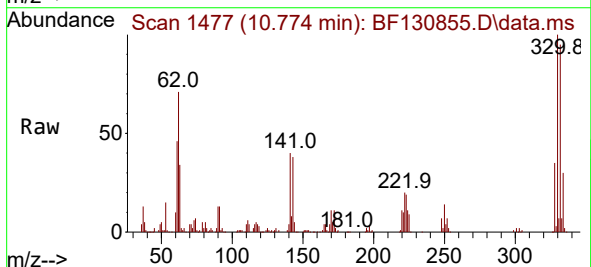
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ClientSampleId :
BBS-SOILCUT-1026



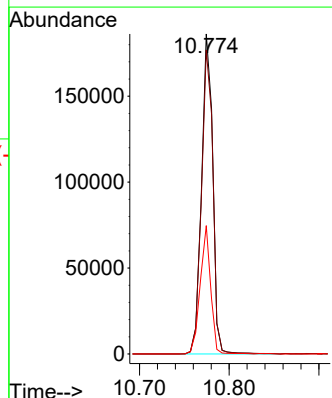
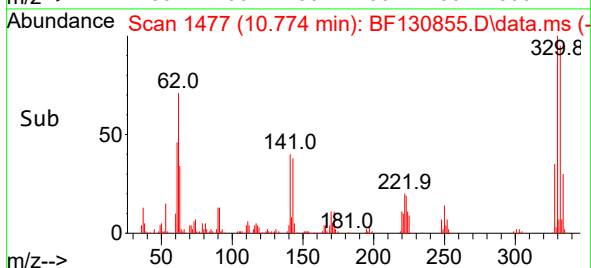
Tgt Ion:164 Resp: 168937
Ion Ratio Lower Upper
164 100
162 101.8 82.2 123.2
160 46.7 36.6 54.8

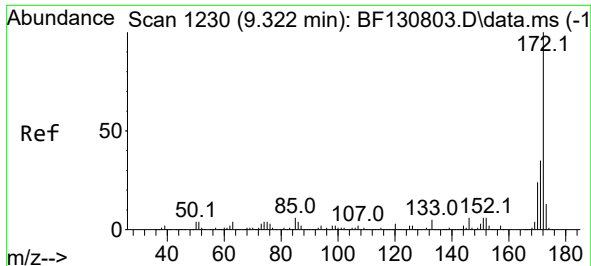


#42
2,4,6-Tribromophenol
Concen: 113.482 ng
RT: 10.774 min Scan# 1477
Delta R.T. -0.012 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12



Tgt Ion:330 Resp: 161384
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 37.5 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 77.677 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF130855.D

Acq: 29 Oct 2022 14:12

Instrument :

BNA_F

ClientSampleId :

BBS-SOILCUT-1026

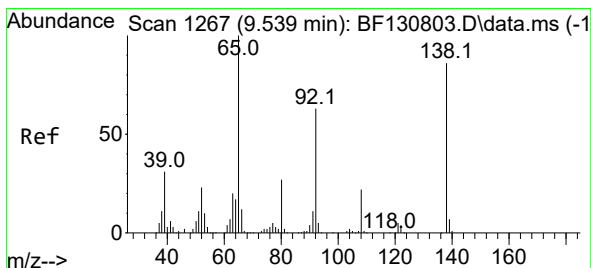
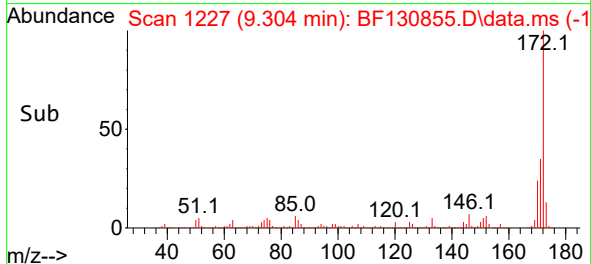
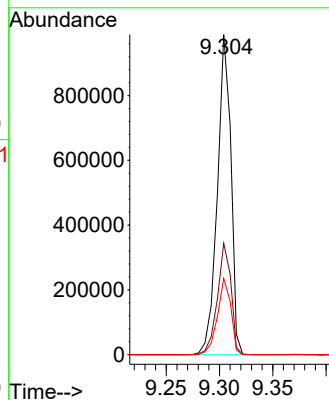
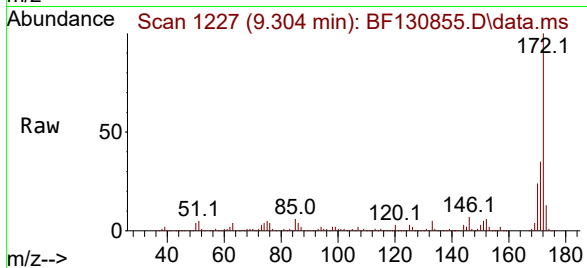
Tgt Ion:172 Resp: 867960

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 4.643 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.230 min

Lab File: BF130855.D

Acq: 29 Oct 2022 14:12

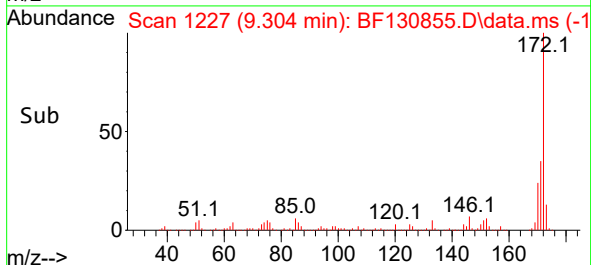
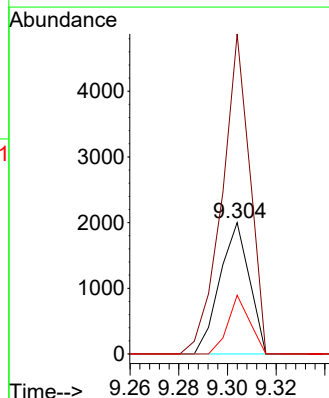
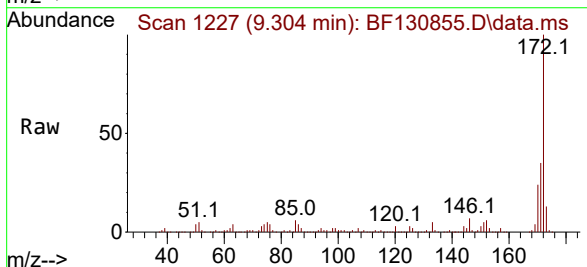
Tgt Ion: 65 Resp: 1686

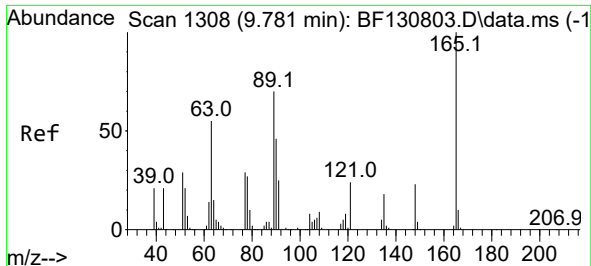
Ion Ratio Lower Upper

65 100

92 226.3 50.1 75.1#

138 41.6 69.2 103.8#

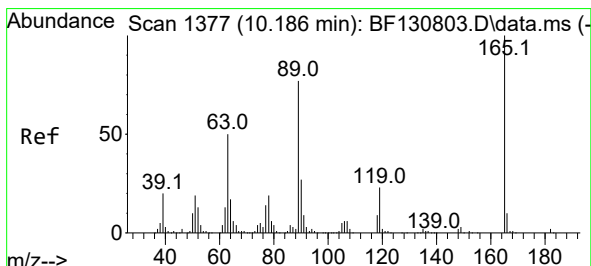
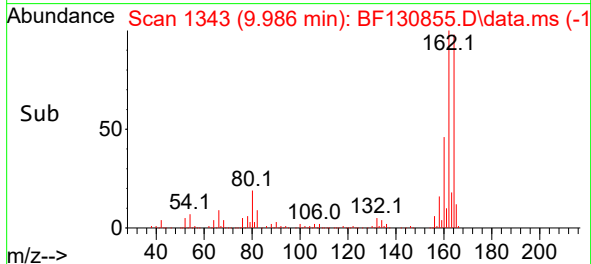
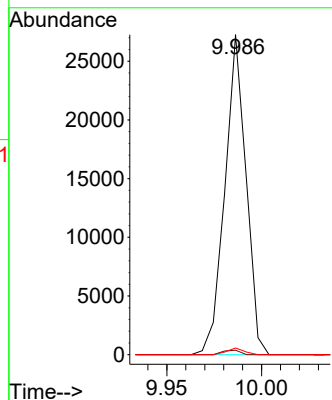
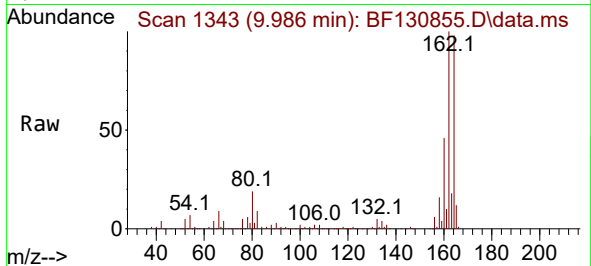




#51
2,6-Dinitrotoluene
Concen: 11.838 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

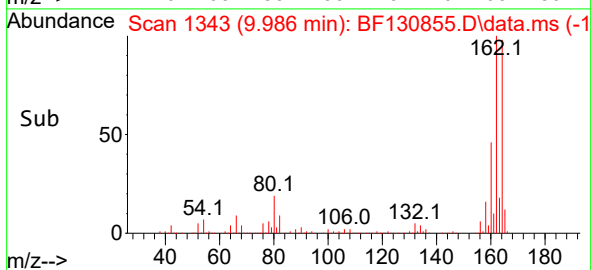
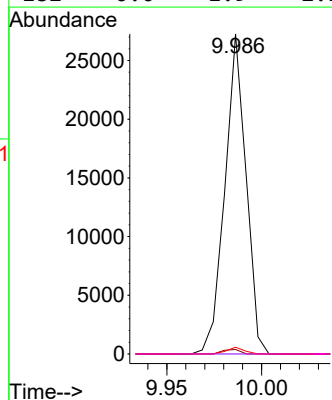
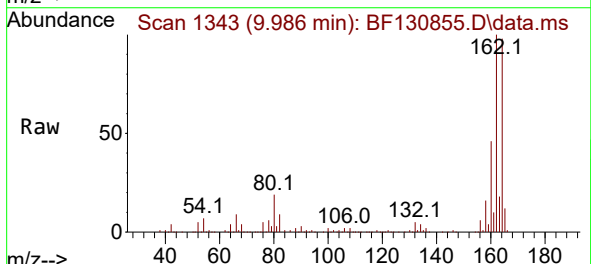
Instrument :
BNA_F
ClientSampleId :
BBS-SOILCUT-1026

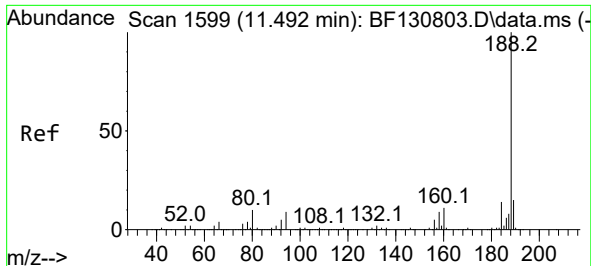
Tgt Ion:165 Resp: 21192
Ion Ratio Lower Upper
165 100
63 1.4 61.8 92.8#
89 2.1 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.763 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.194 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Tgt Ion:165 Resp: 21192
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 2.1 61.9 92.9#
182 0.0 1.9 2.9#

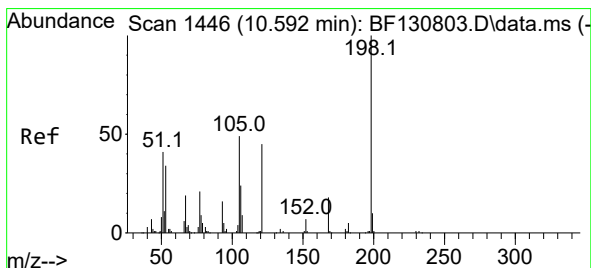
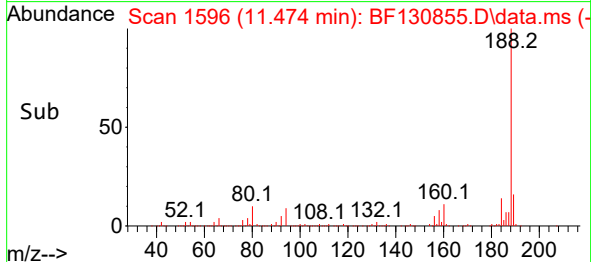
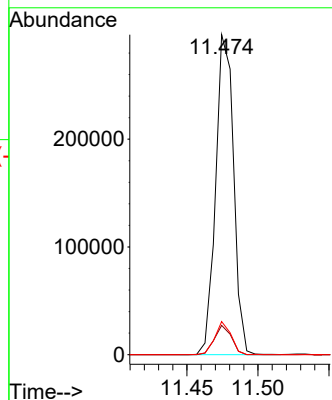
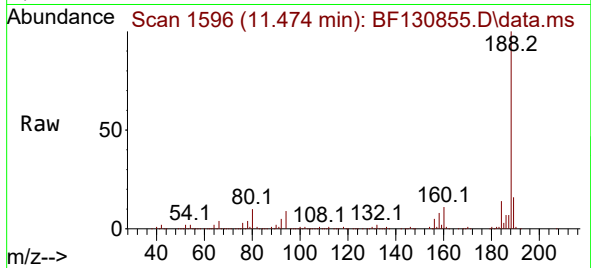




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

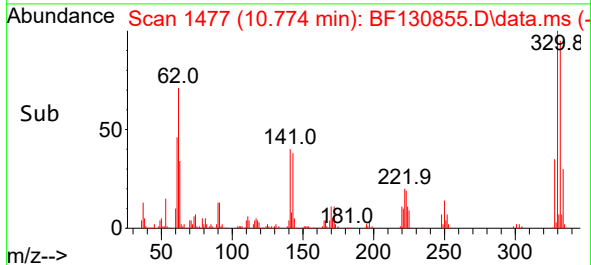
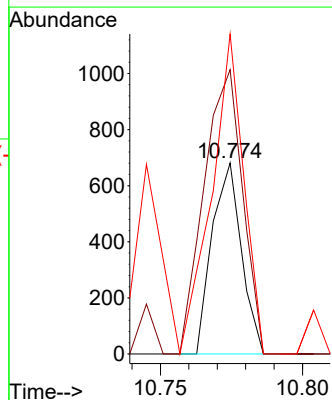
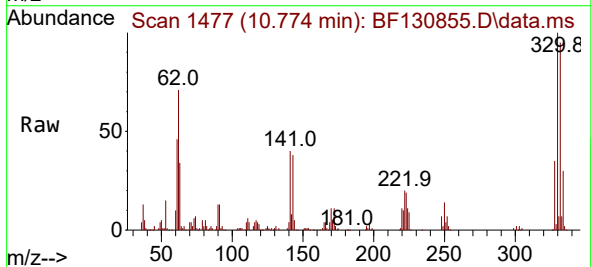
Instrument :
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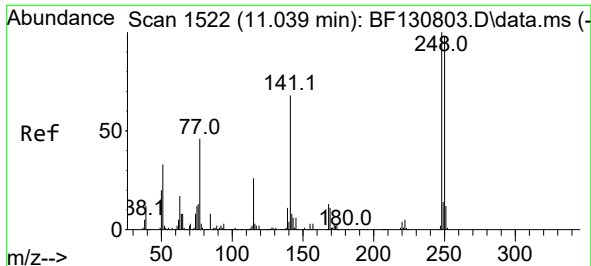
Tgt Ion:188 Resp: 259968
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.4 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.302 ng
RT: 10.774 min Scan# 1477
Delta R.T. 0.188 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Tgt Ion:198 Resp: 487
Ion Ratio Lower Upper
198 100
51 148.9 39.0 79.0#
105 167.5 30.6 70.6#

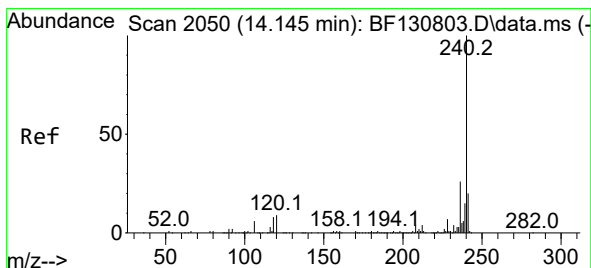
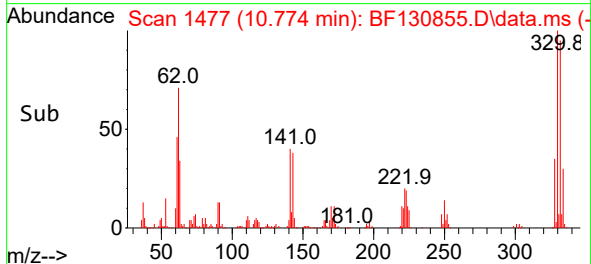
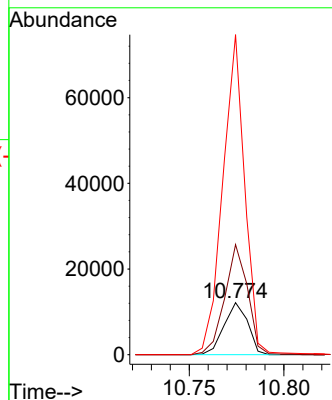
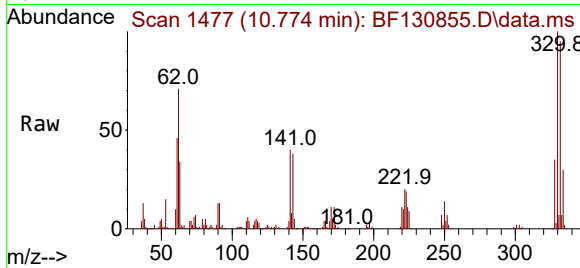




#67
4-Bromophenyl-phenylether
Concen: 4.046 ng
RT: 10.774 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

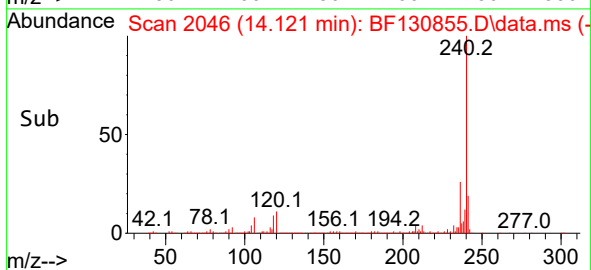
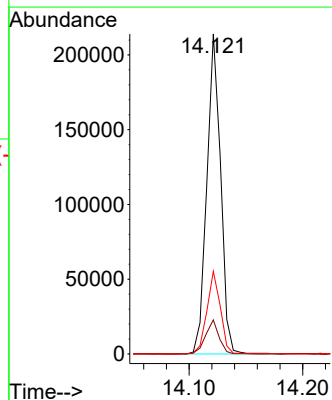
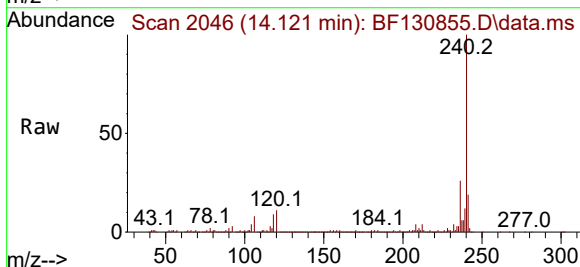
Instrument :
BNA_F
ClientSampleId :
BBS-SOILCUT-1026

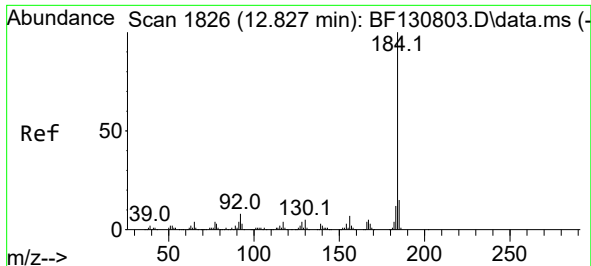
Tgt Ion:248 Resp: 10579
Ion Ratio Lower Upper
248 100
250 211.5 78.6 117.8#
141 615.1 54.2 81.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Tgt Ion:240 Resp: 179949
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.4#
236 25.8 20.5 30.7

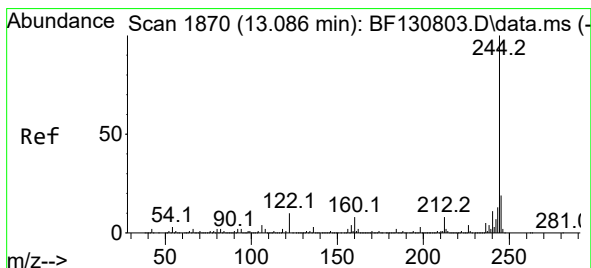
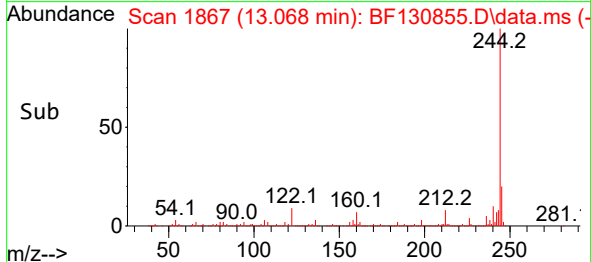
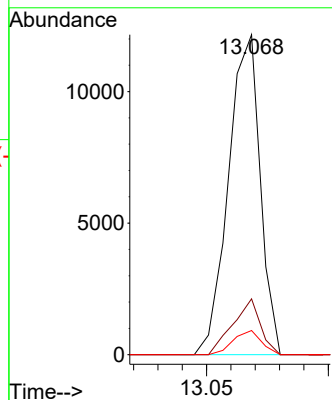
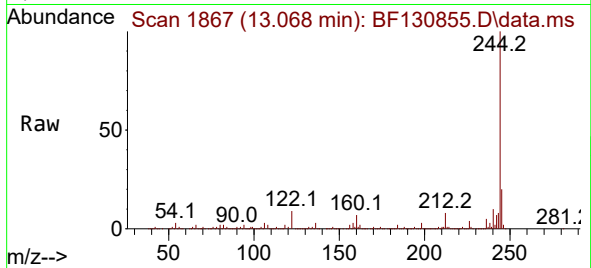




#77
Benzidine
Concen: 2.519 ng
RT: 13.068 min Scan# 1867
Delta R.T. 0.247 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

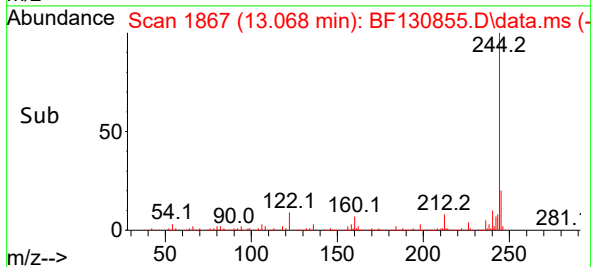
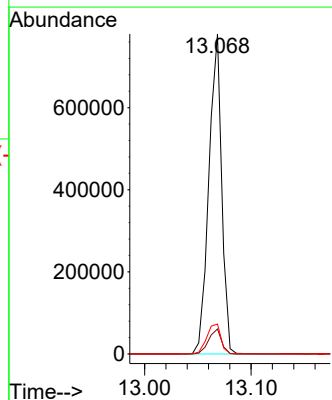
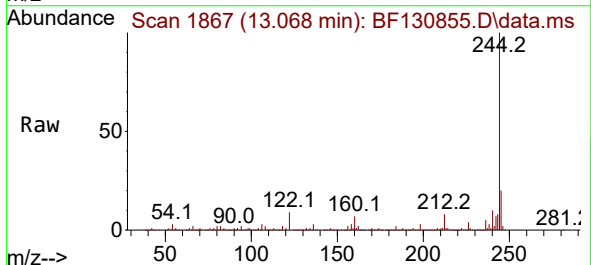
Instrument :
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ClientSampleId :
BBS-SOILCUT-1026

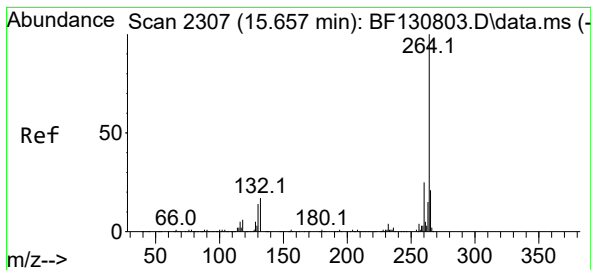
Tgt Ion:184 Resp: 11002
Ion Ratio Lower Upper
184 100
185 17.5 11.8 17.8
183 7.5 9.7 14.5#



#79
Terphenyl-d14
Concen: 66.569 ng
RT: 13.068 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130855.D
Acq: 29 Oct 2022 14:12

Tgt Ion:244 Resp: 653719
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 9.4 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130855.D

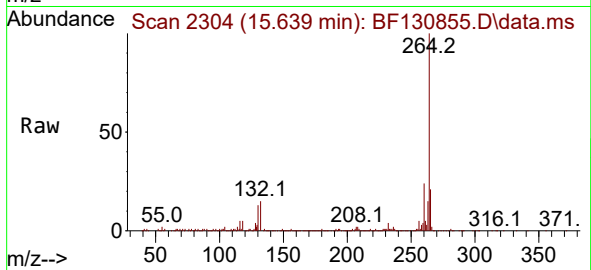
Acq: 29 Oct 2022 14:12

Instrument :

BNA_F

ClientSampleId :

BBS-SOILCUT-1026



Tgt Ion:264 Resp: 153992

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

265 21.2 17.0 25.6

