

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF131001.D
 Acq On : 04 Nov 2022 20:52
 Operator : CG\JU
 Sample : N5451-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LFR-SOIL-1103

Quant Time: Nov 05 00:39:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

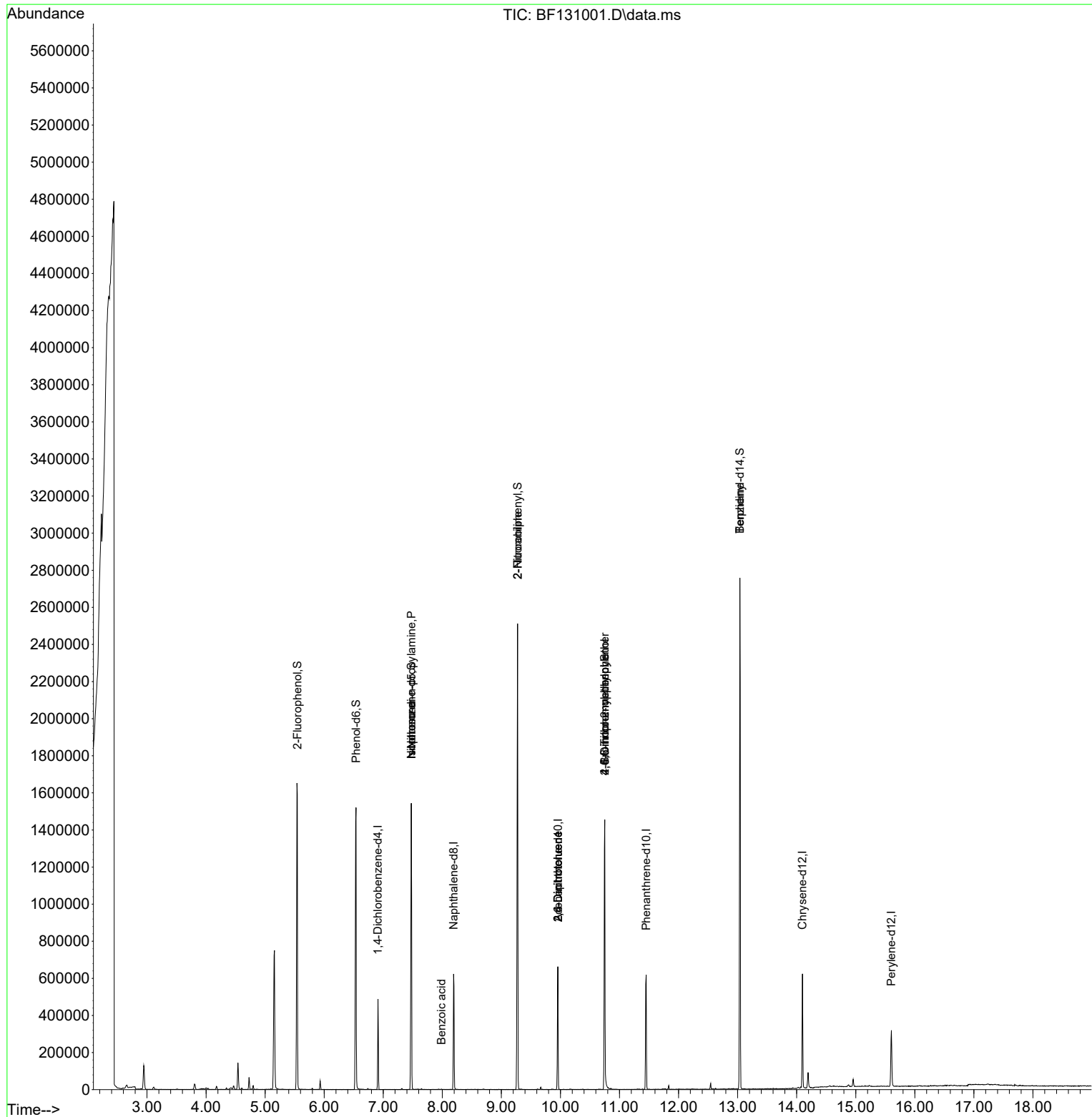
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	57311	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	272722	20.000	ng	-0.01
39) Acenaphthene-d10	9.957	164	123582	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	226197	20.000	ng	# 0.00
76) Chrysene-d12	14.098	240	196296	20.000	ng	0.00
86) Perylene-d12	15.604	264	135366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	422889	127.921	ng	0.02
7) Phenol-d6	6.539	99	483366	112.516	ng	0.00
23) Nitrobenzene-d5	7.475	82	487780	107.848	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	175344	168.550	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	739322	90.447	ng	0.00
79) Terphenyl-d14	13.039	244	950085	88.692	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	68822	23.546	ng	# 76
25) Isophorone	7.475	82	487768	52.298	ng	# 66
32) Benzoic acid	7.986	122	139	7.722	ng	# 53
48) 2-Nitroaniline	9.275	65	1396	4.709	ng	# 1
51) 2,6-Dinitrotoluene	9.957	165	14843	11.453	ng	# 15
57) 2,4-Dinitrotoluene	9.957	165	14843	10.463	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.751	198	376	8.260	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	11211	4.928	ng	# 1
77) Benzidine	13.039	184	13251	2.781	ng	# 93

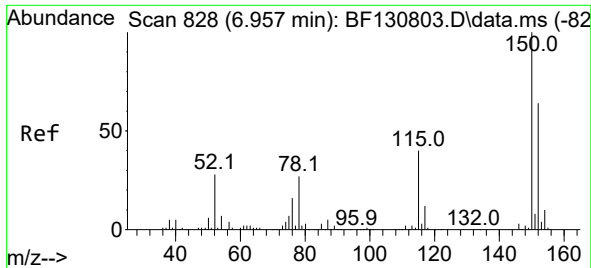
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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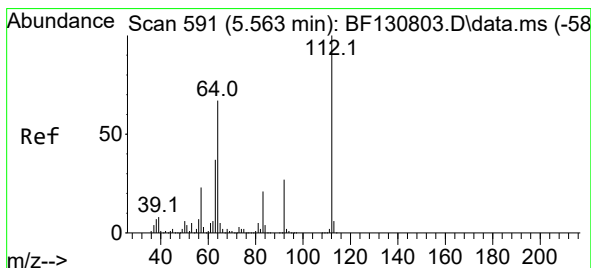
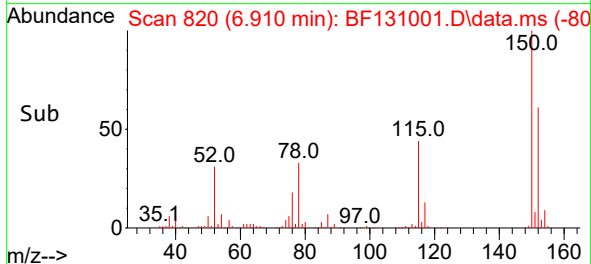
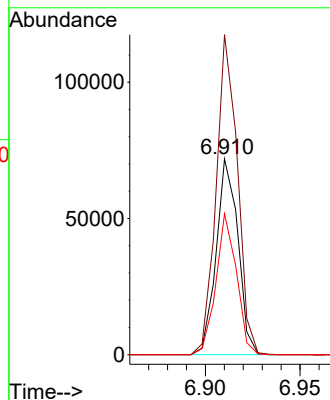
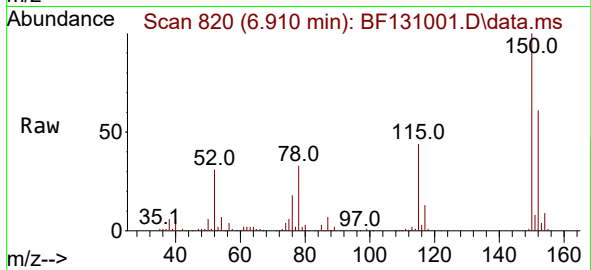




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

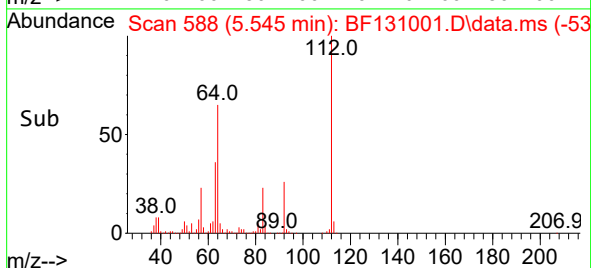
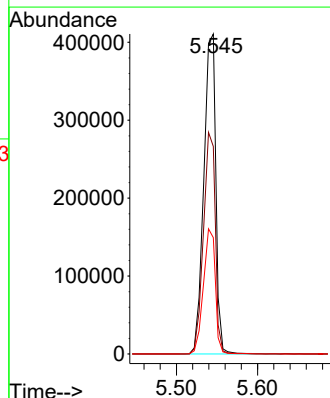
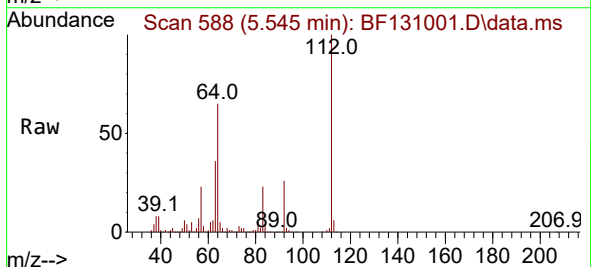
Instrument :
BNA_F
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:152 Resp: 57311
Ion Ratio Lower Upper
152 100
150 163.6 124.1 186.1
115 72.0 50.1 75.1



#5
2-Fluorophenol
Concen: 127.921 ng
RT: 5.545 min Scan# 588
Delta R.T. 0.018 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion:112 Resp: 422889
Ion Ratio Lower Upper
112 100
64 64.8 53.9 80.9
63 36.4 29.4 44.2

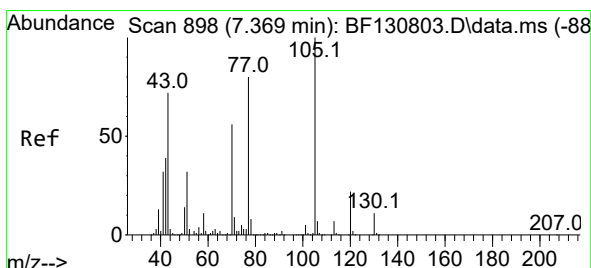
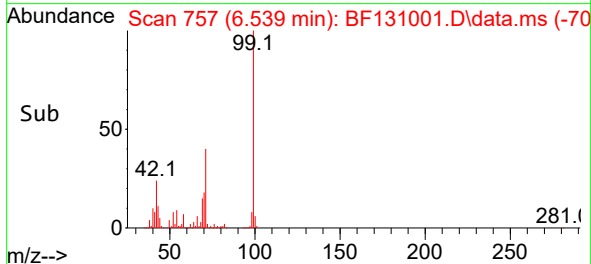
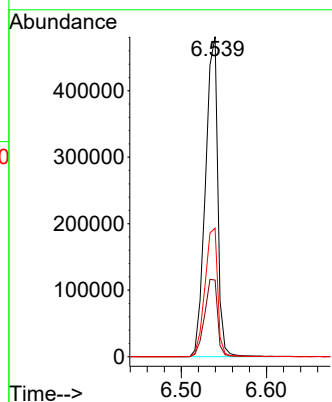
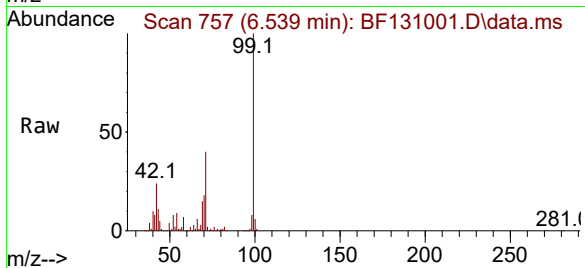




#7
Phenol-d6
Concen: 112.516 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

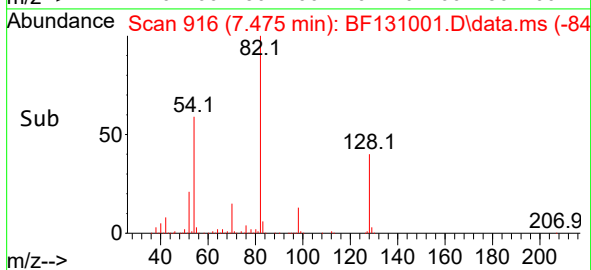
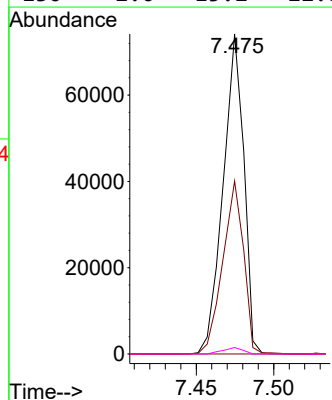
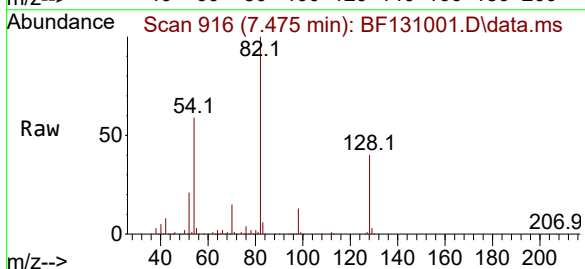
Instrument :
BNA_F
ClientSampleId :
LFR-SOIL-1103

Tgt Ion: 99 Resp: 483366
Ion Ratio Lower Upper
99 100
42 24.0 18.8 28.2
71 40.2 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 23.546 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion: 70 Resp: 68822
Ion Ratio Lower Upper
70 100
42 54.0 56.1 84.1#
101 0.0 7.3 10.9#
130 2.0 15.2 22.8#

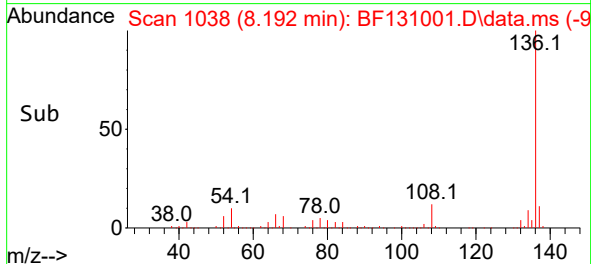
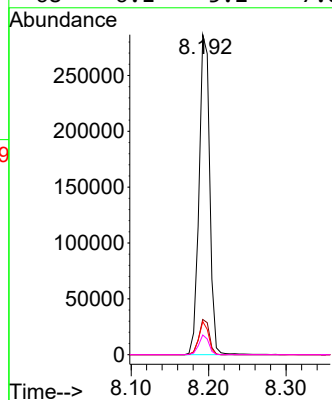
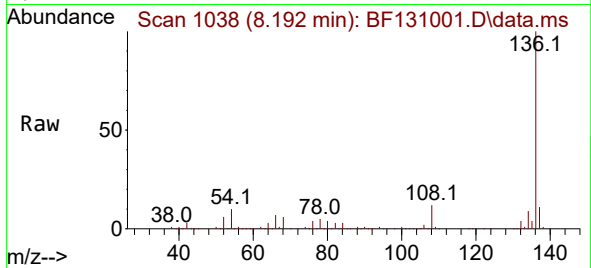




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1046
Delta R.T. -0.012 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

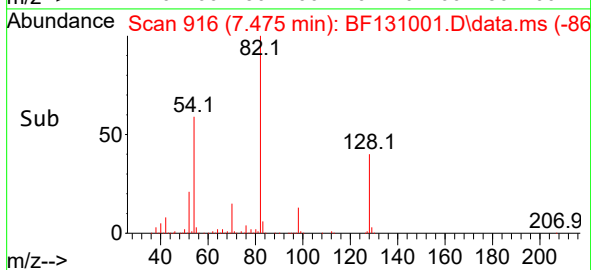
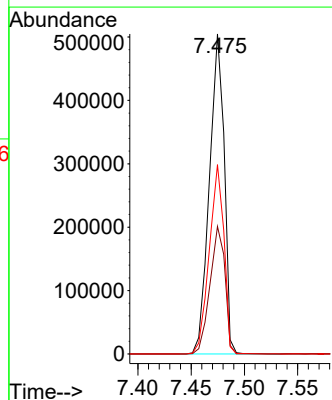
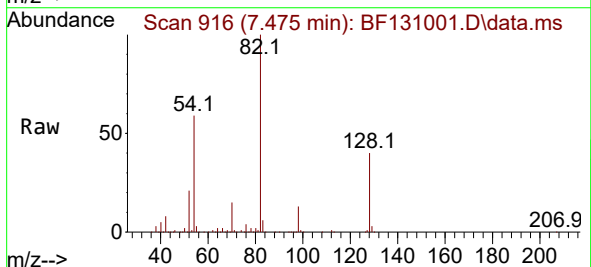
Instrument :
BNA_F
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:136 Resp: 272722
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 10.4 8.8 13.2
68 6.1 5.2 7.8



#23
Nitrobenzene-d5
Concen: 107.848 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion: 82 Resp: 487780
Ion Ratio Lower Upper
82 100
128 39.8 31.2 46.8
54 59.1 48.0 72.0

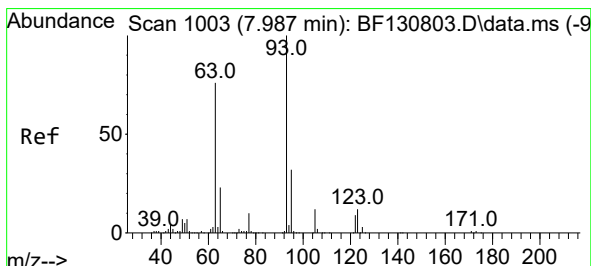
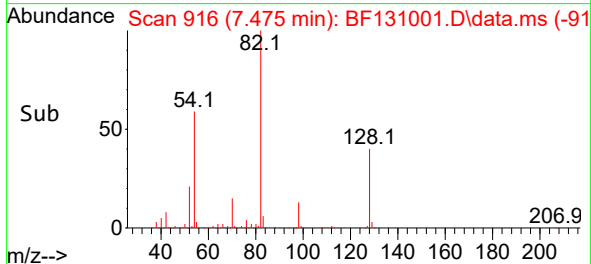
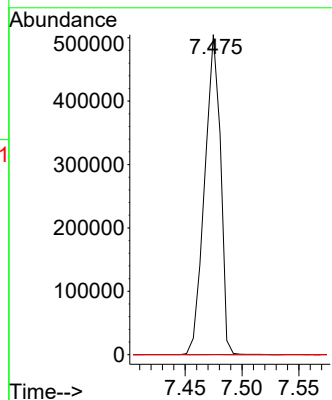
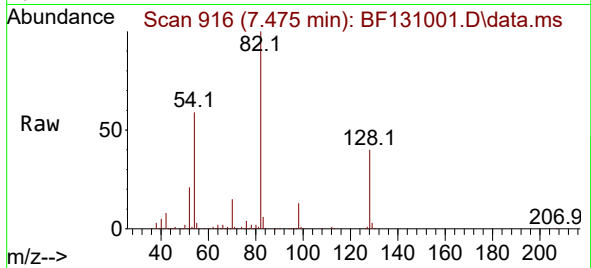




#25
Isophorone
Concen: 52.298 ng
RT: 7.475 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

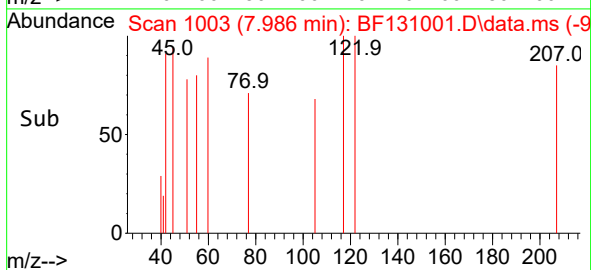
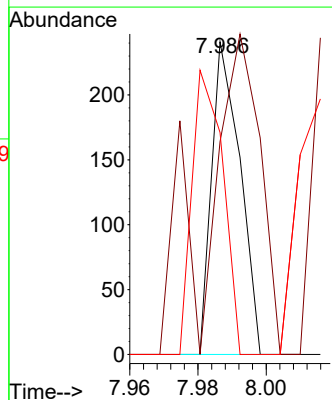
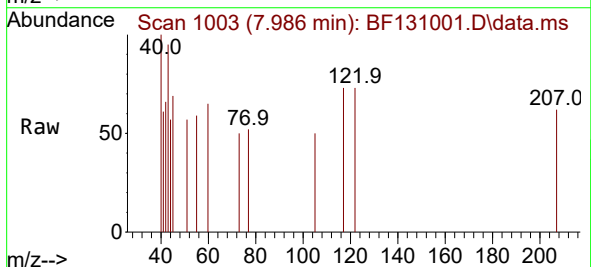
Instrument :
BNA_F
ClientSampleId :
LFR-SOIL-1103

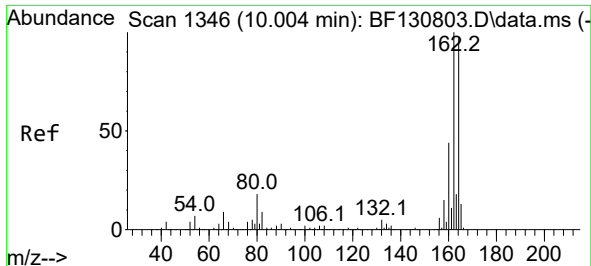
Tgt Ion: 82 Resp: 487768
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.722 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.023 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion: 122 Resp: 139
Ion Ratio Lower Upper
122 100
105 68.0 114.5 154.5#
77 71.0 89.8 129.8#

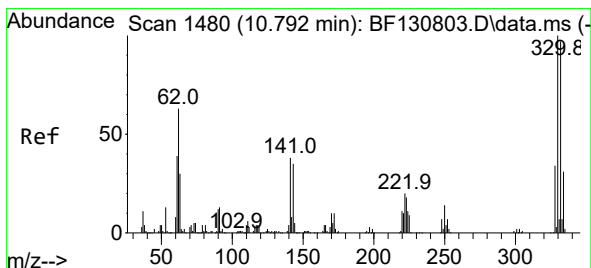
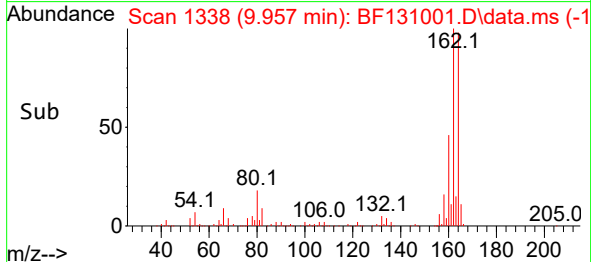
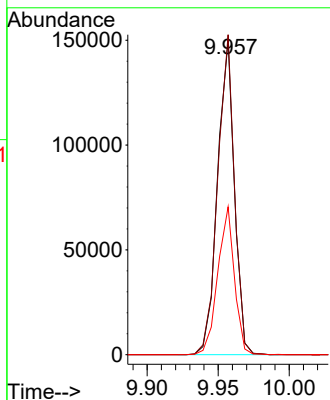
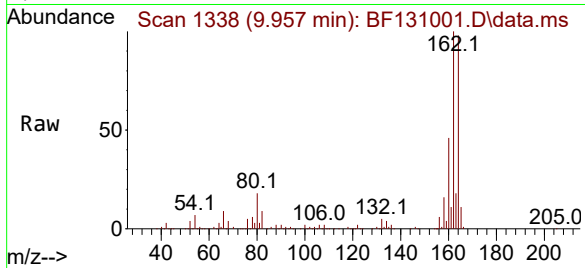




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

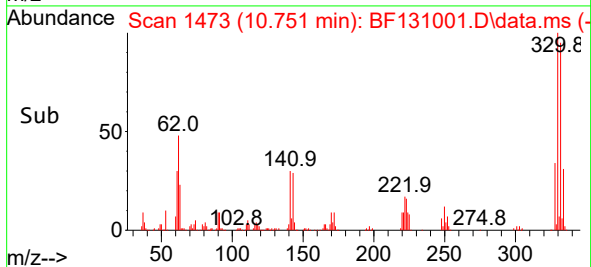
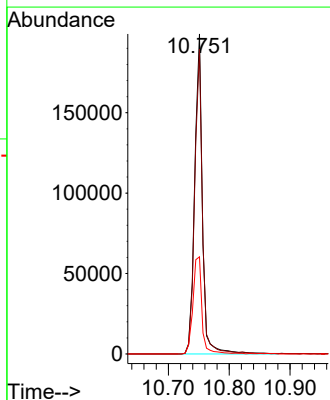
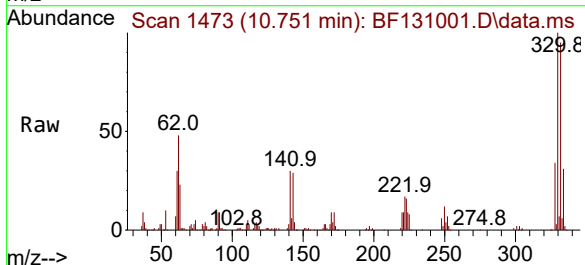
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ClientSampleId :
LFR-SOIL-1103

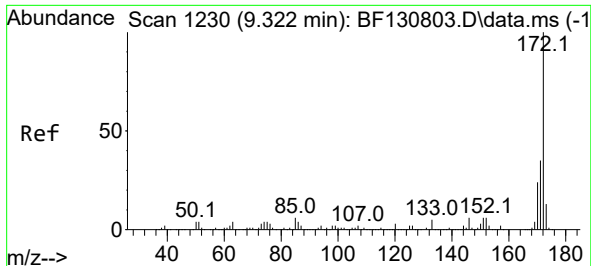
Tgt Ion:164 Resp: 123582
Ion Ratio Lower Upper
164 100
162 101.9 82.2 123.2
160 47.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 168.550 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion:330 Resp: 175344
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 35.6 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 90.447 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131001.D

Acq: 04 Nov 2022 20:52

Instrument :

BNA_F

ClientSampleId :

LFR-SOIL-1103

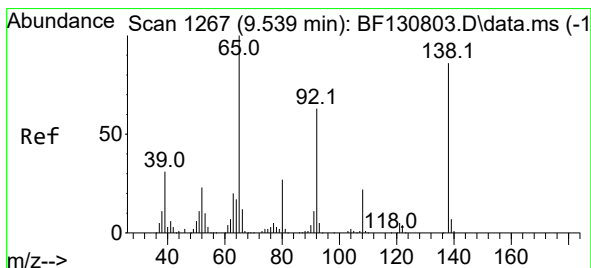
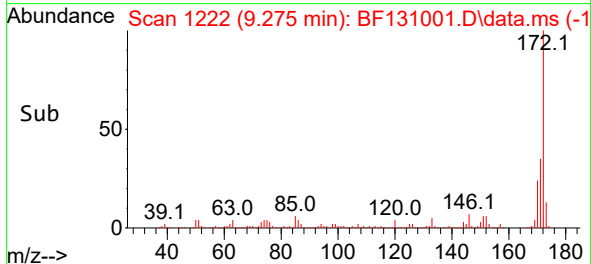
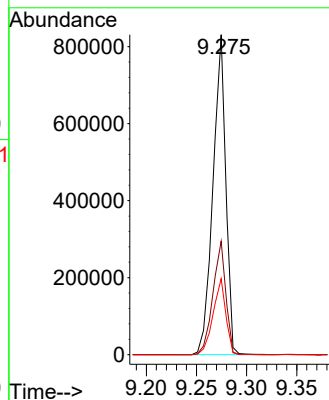
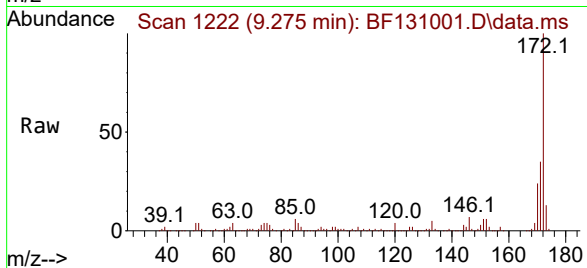
Tgt Ion:172 Resp: 739322

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.7 19.0 28.4



#48

2-Nitroaniline

Concen: 4.709 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.230 min

Lab File: BF131001.D

Acq: 04 Nov 2022 20:52

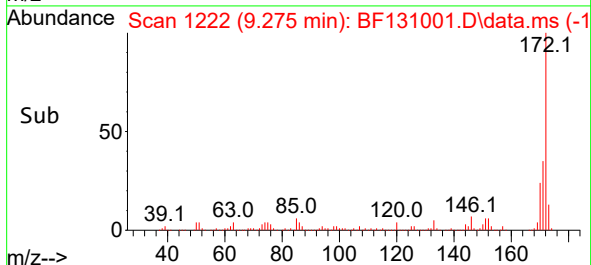
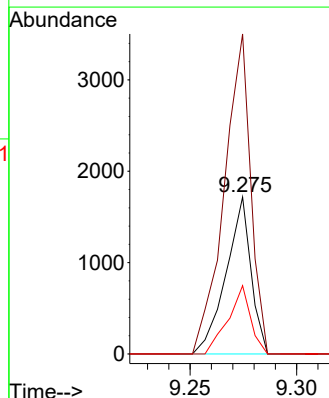
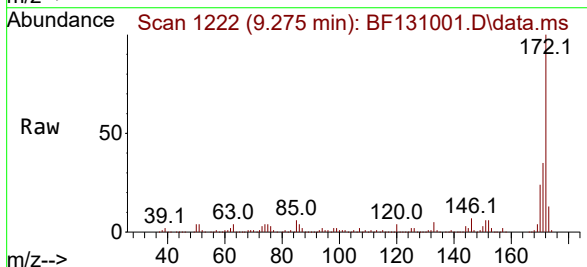
Tgt Ion: 65 Resp: 1396

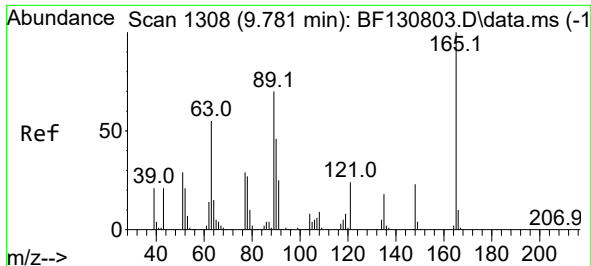
Ion Ratio Lower Upper

65 100

92 203.9 50.1 75.1#

138 43.5 69.2 103.8#

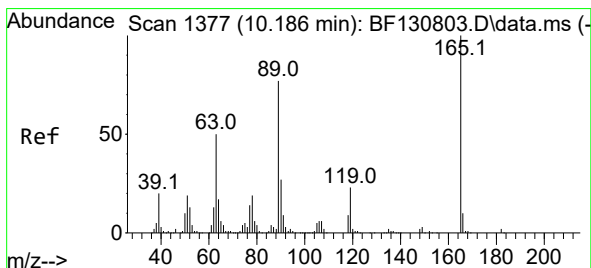
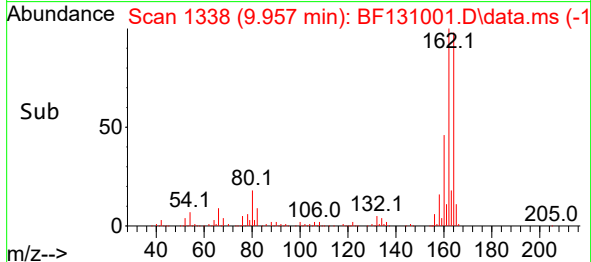
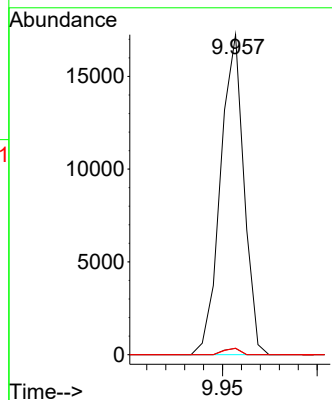
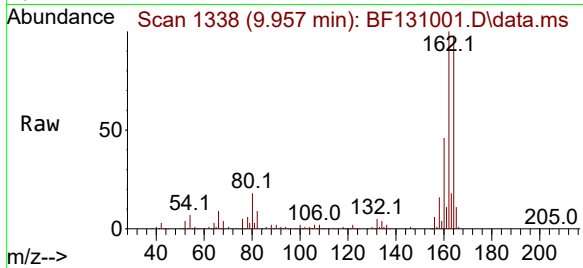




#51
2,6-Dinitrotoluene
Concen: 11.453 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

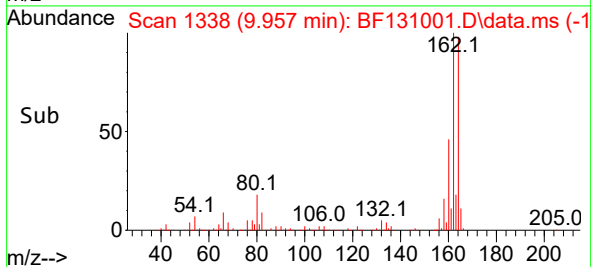
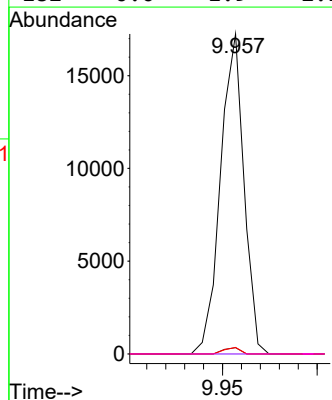
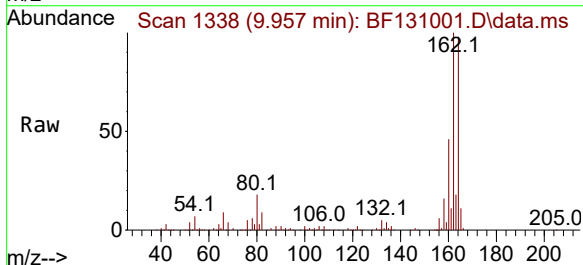
Instrument :
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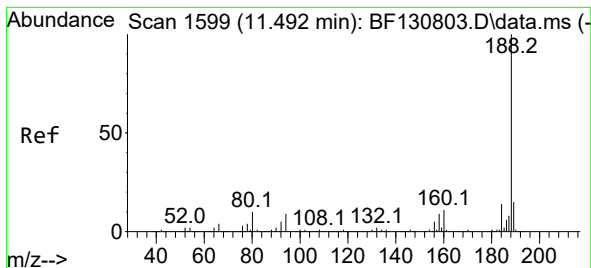
Tgt Ion:165 Resp: 14843
Ion Ratio Lower Upper
165 100
63 1.9 61.8 92.8#
89 2.0 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.463 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.194 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion:165 Resp: 14843
Ion Ratio Lower Upper
165 100
63 1.9 39.8 59.6#
89 2.0 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131001.D

Acq: 04 Nov 2022 20:52

Instrument :

BNA_F

ClientSampleId :

LFR-SOIL-1103

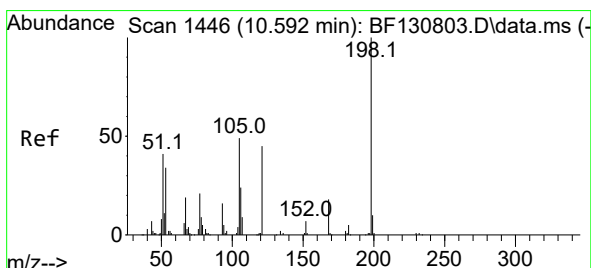
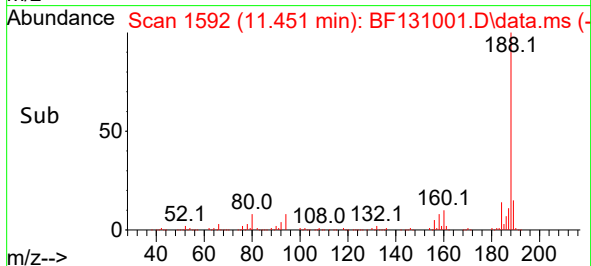
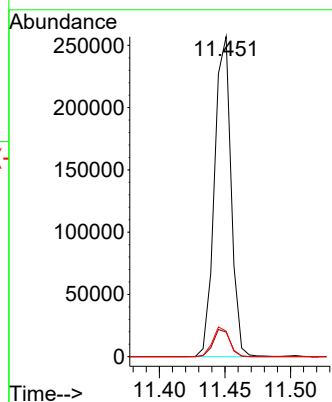
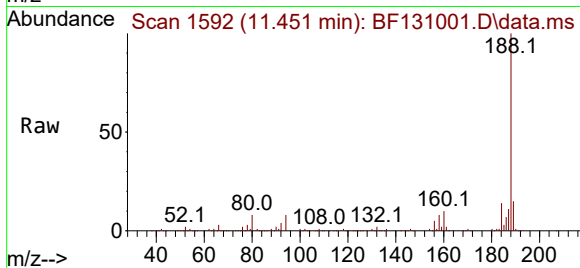
Tgt Ion:188 Resp: 226197

Ion Ratio Lower Upper

188 100

94 7.7 7.4 11.2

80 7.9 8.0 12.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.260 ng

RT: 10.751 min Scan# 1473

Delta R.T. 0.188 min

Lab File: BF131001.D

Acq: 04 Nov 2022 20:52

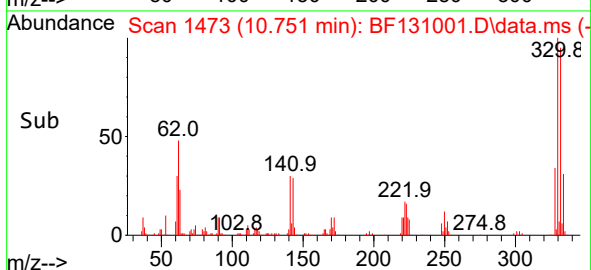
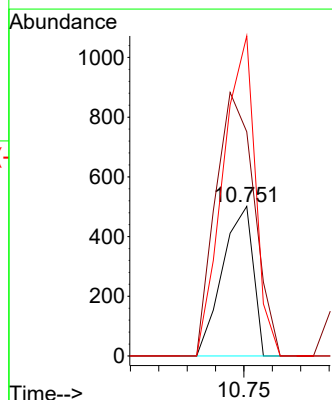
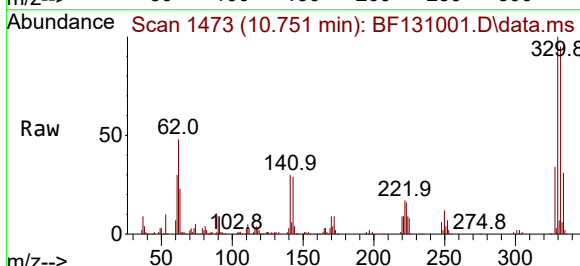
Tgt Ion:198 Resp: 376

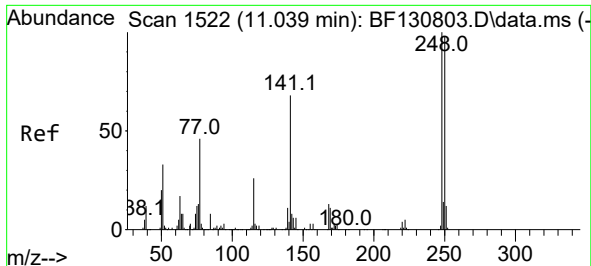
Ion Ratio Lower Upper

198 100

51 149.9 39.0 79.0#

105 214.0 30.6 70.6#

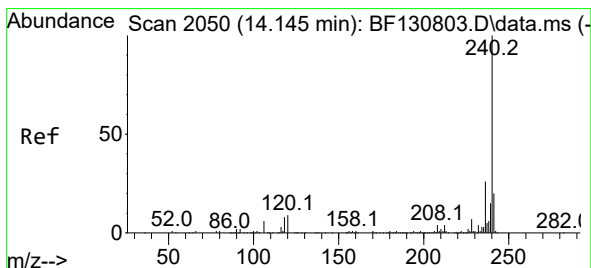
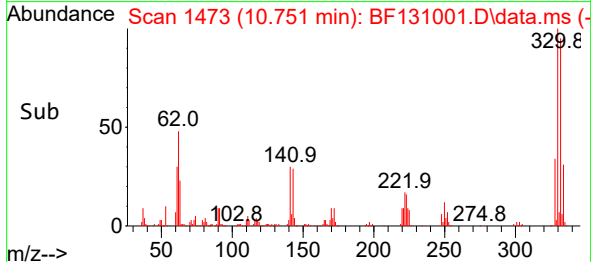
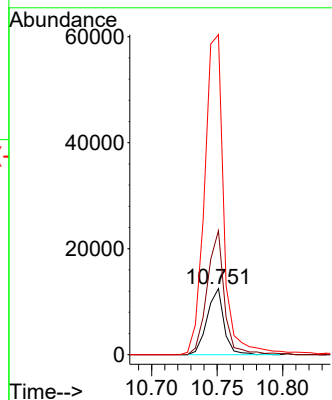
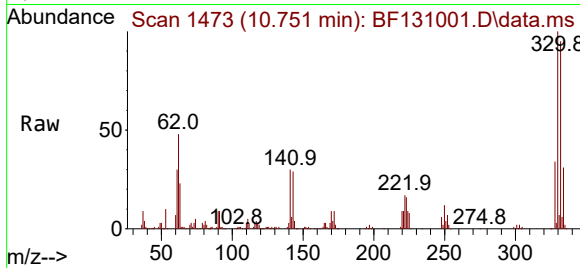




#67
4-Bromophenyl-phenylether
Concen: 4.928 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

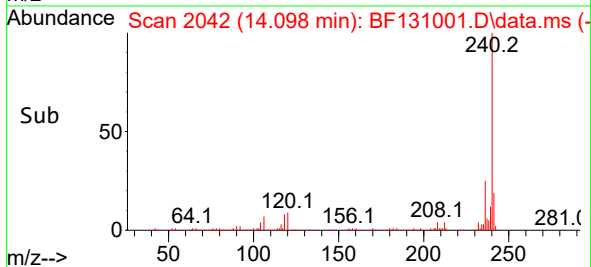
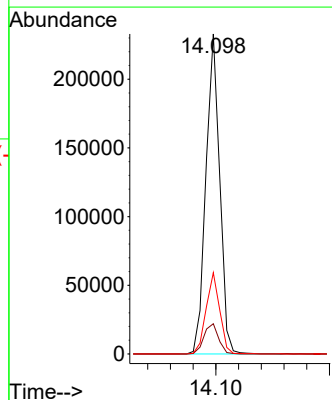
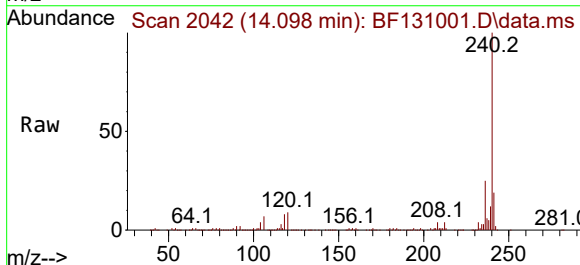
Instrument :
BNA_F
ClientSampleId :
LFR-SOIL-1103

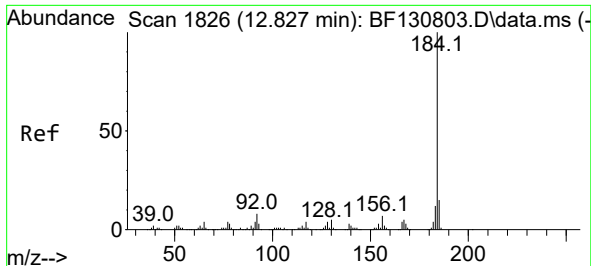
Tgt Ion:248 Resp: 11211
Ion Ratio Lower Upper
248 100
250 187.8 78.6 117.8#
141 484.4 54.2 81.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

Tgt Ion:240 Resp: 196296
Ion Ratio Lower Upper
240 100
120 9.5 7.0 10.4
236 25.4 20.5 30.7

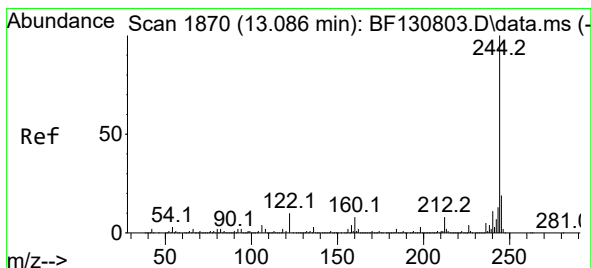
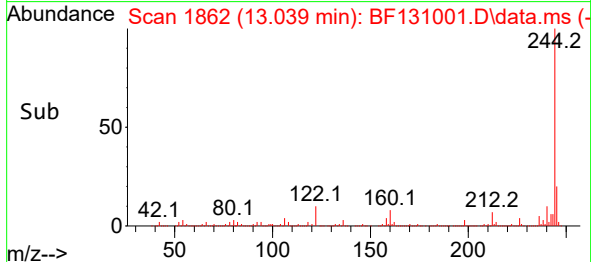
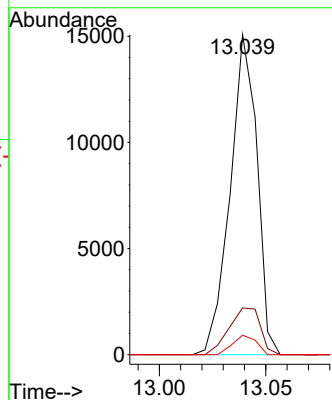
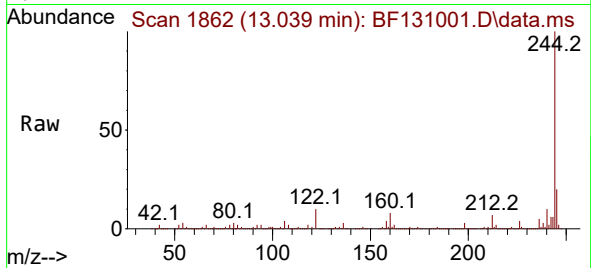




#77
Benzidine
Concen: 2.781 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.247 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

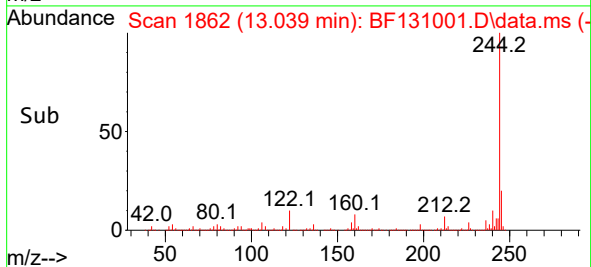
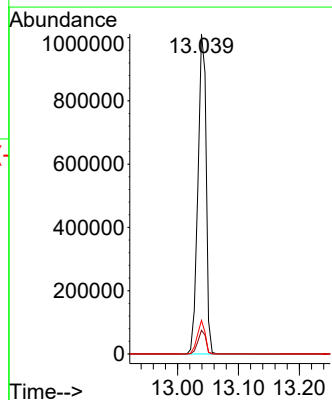
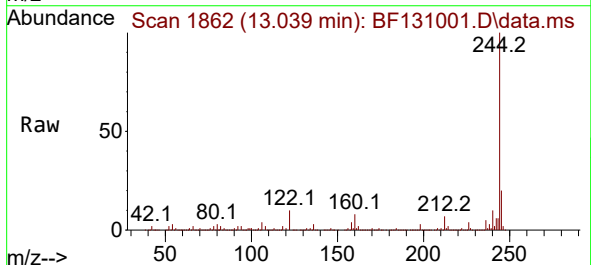
Instrument :
BNA_F
ClientSampleId :
LFR-SOIL-1103

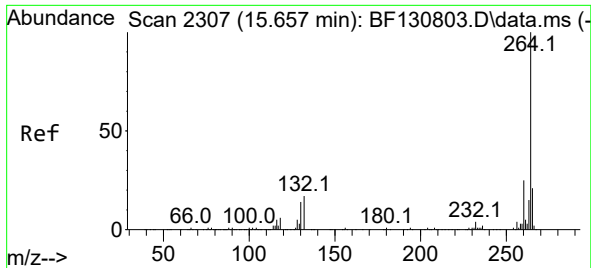
Tgt Ion:184 Resp: 13251
Ion Ratio Lower Upper
184 100
185 14.6 11.8 17.8
183 6.1 9.7 14.5#



#79
Terphenyl-d14
Concen: 88.692 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BF131001.D
Acq: 04 Nov 2022 20:52

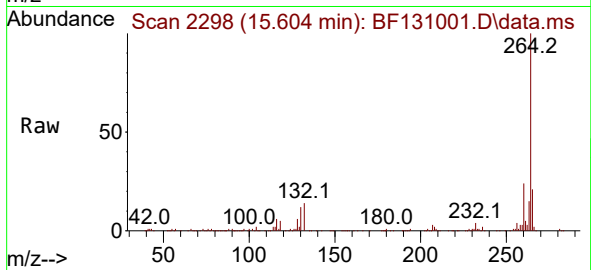
Tgt Ion:244 Resp: 950085
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 10.5 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.604 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF131001.D
 Acq: 04 Nov 2022 20:52

Instrument :
 BNA_F
 ClientSampleId :
 LFR-SOIL-1103



Tgt Ion:264 Resp: 135366
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.9 29.9
 265 20.9 17.0 25.6

