

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131361.D
 Acq On : 23 Nov 2022 14:00
 Operator : CG\JU
 Sample : N5641-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Quant Time: Nov 24 05:51:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:48:25 2022
 Response via : Initial Calibration

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

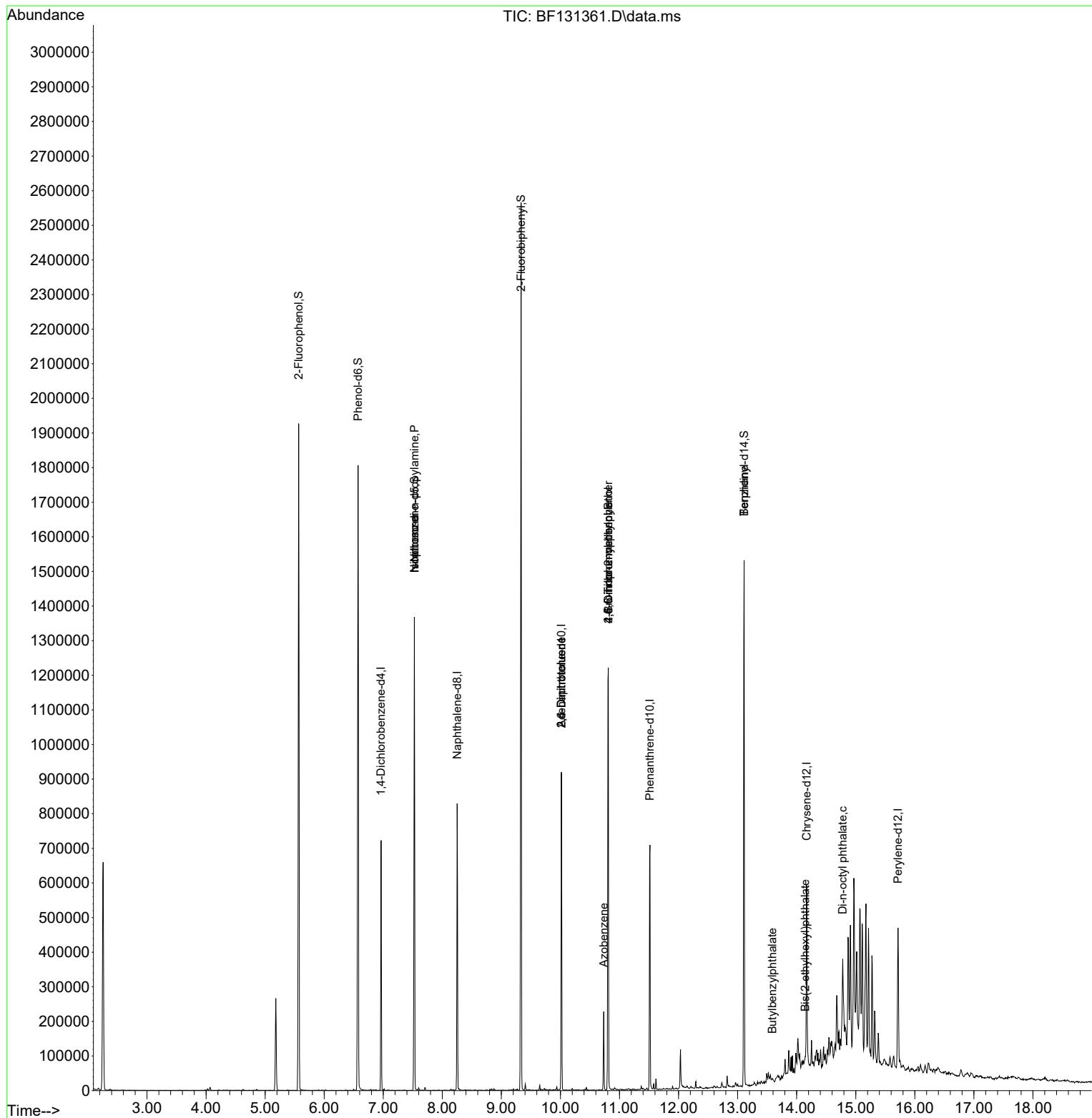
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	90777	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	314917	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	167172	20.000	ng	0.00
64) Phenanthrene-d10	11.516	188	268418	20.000	ng	0.00
76) Chrysene-d12	14.168	240	173004	20.000	ng	0.00
86) Perylene-d12	15.715	264	197571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	460196	96.484	ng	0.00
7) Phenol-d6	6.575	99	584376	96.027	ng	0.00
23) Nitrobenzene-d5	7.528	82	380570	60.918	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	139696	99.327	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	683572	59.488	ng	0.00
79) Terphenyl-d14	13.110	244	529108	50.012	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.575	77	983	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.528	70	52008	11.674	ng	# 75
25) Isophorone	7.528	82	380564	34.144	ng	# 68
51) 2,6-Dinitrotoluene	10.016	165	21214	9.107	ng	# 15
57) 2,4-Dinitrotoluene	10.016	165	21214	7.238	ng	# 19
63) Azobenzene	10.733	77	34722	2.936	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.810	198	390	4.953	ng	# 1
67) 4-Bromophenyl-phenylether	10.810	248	9751	2.964	ng	# 1
77) Benzidine	13.110	184	7270	2.275	ng	# 87
80) Butylbenzylphthalate	13.586	149	544	4.240	ng	# 49
84) Bis(2-ethylhexyl)phtha...	14.145	149	1458	3.946	ng	# 88
85) Di-n-octyl phthalate	14.780	149	93727	14.384	ng	# 49

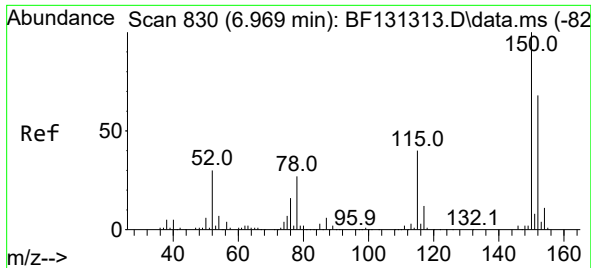
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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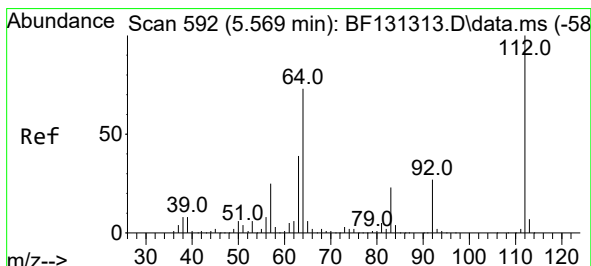
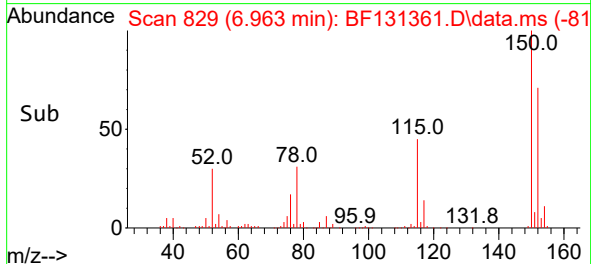
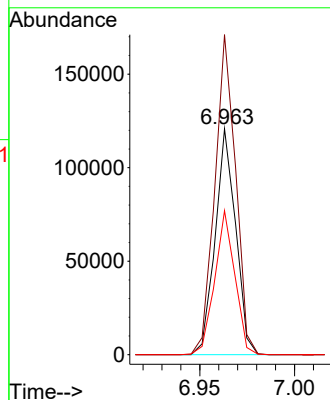
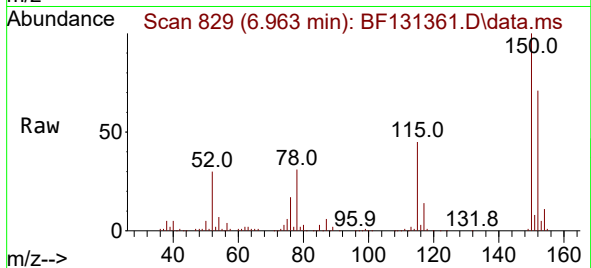




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

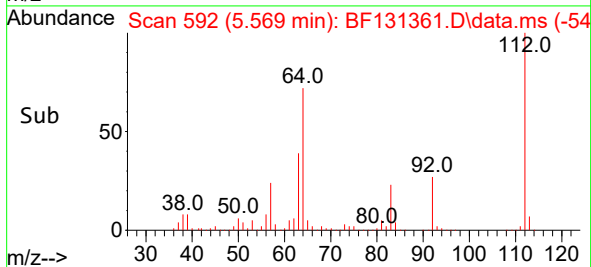
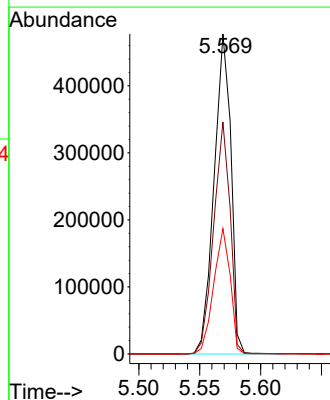
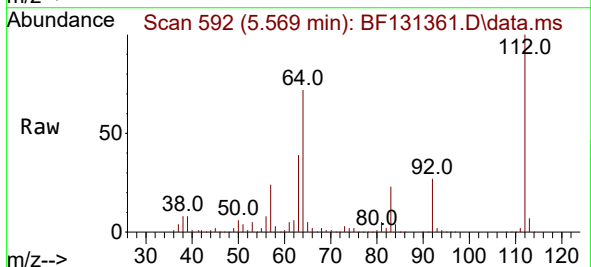
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

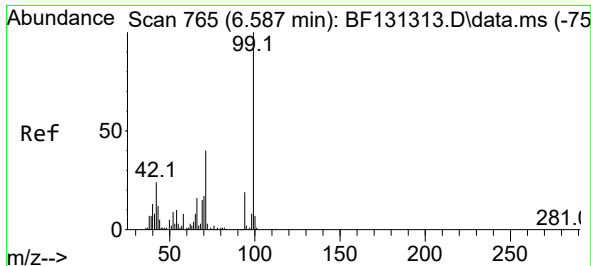
Tgt Ion:152 Resp: 90777
Ion Ratio Lower Upper
152 100
150 141.7 117.8 176.8
115 63.8 47.1 70.7



#5
2-Fluorophenol
Concen: 96.484 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion:112 Resp: 460196
Ion Ratio Lower Upper
112 100
64 72.4 58.6 88.0
63 39.2 31.4 47.0

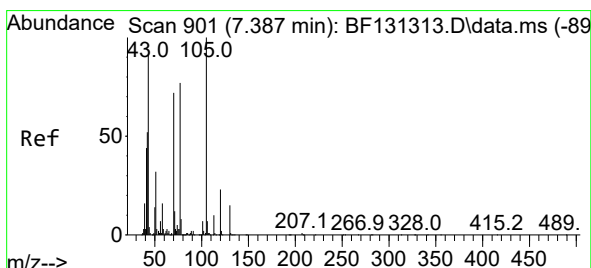
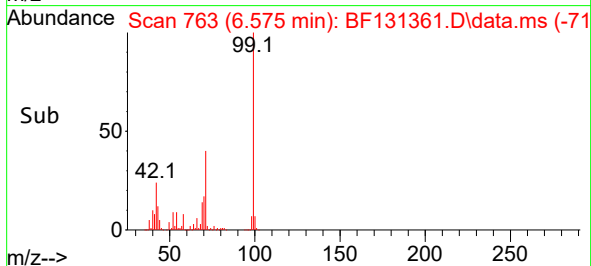
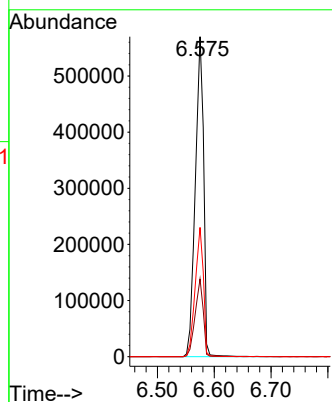
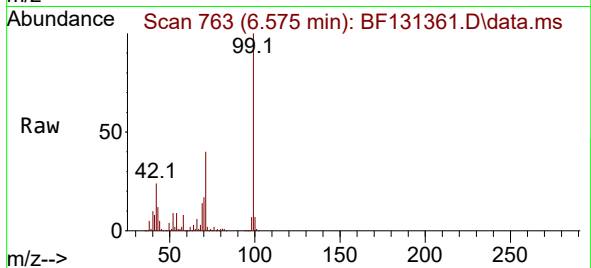




#7
Phenol-d6
Concen: 96.027 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

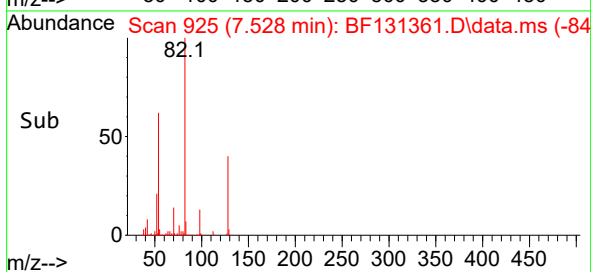
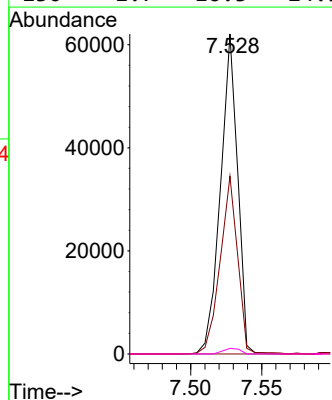
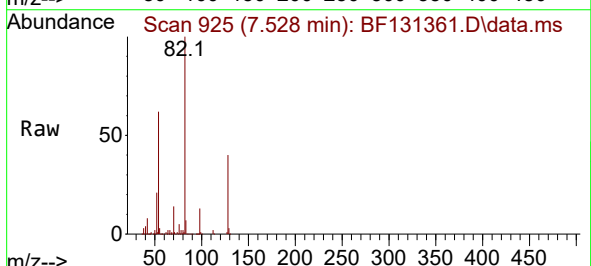
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

Tgt Ion: 99 Resp: 584376
Ion Ratio Lower Upper
99 100
42 24.3 19.4 29.2
71 40.4 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.674 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.147 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 70 Resp: 52008
Ion Ratio Lower Upper
70 100
42 55.5 57.6 86.4#
101 0.0 8.2 12.2#
130 1.7 16.3 24.5#



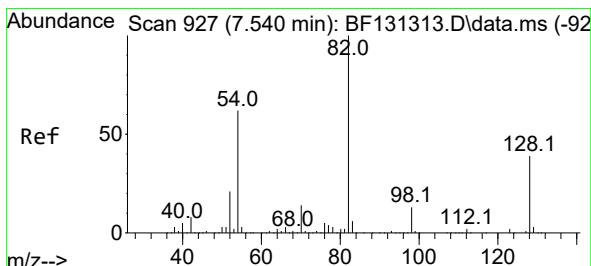
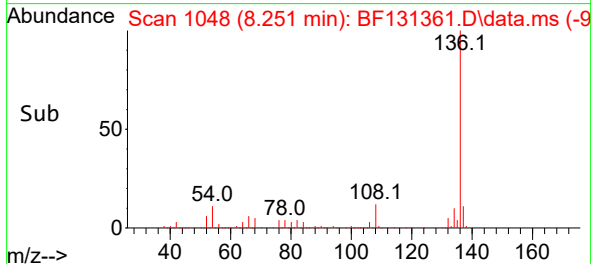
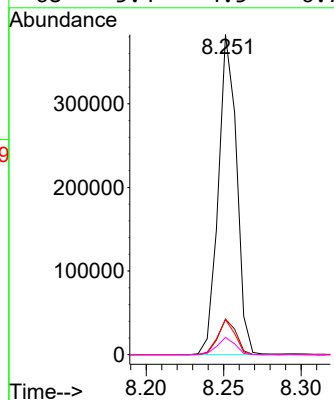
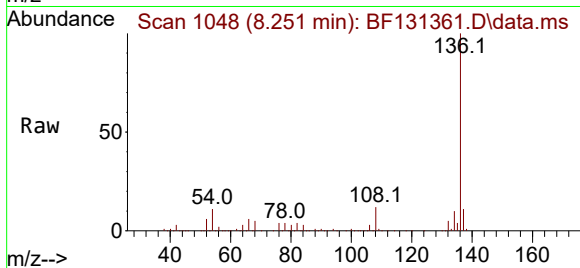


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

Tgt Ion:136 Resp: 314917

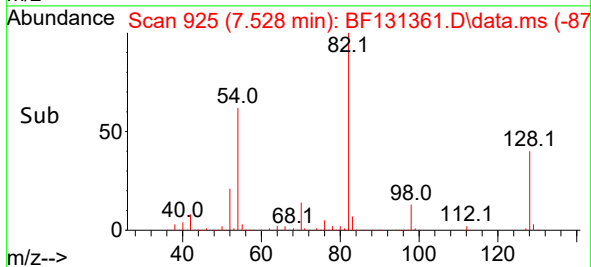
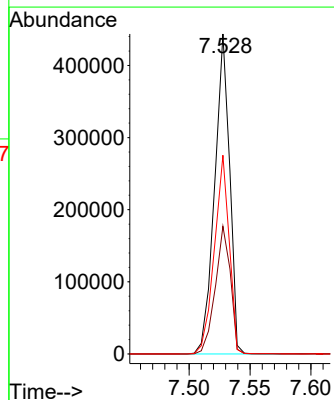
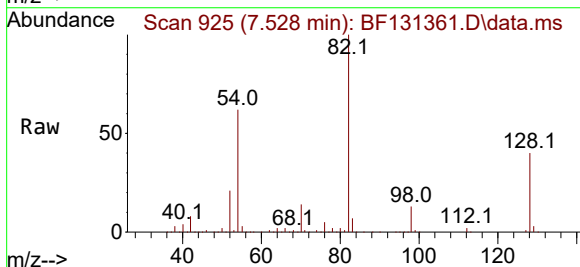
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	11.0	9.4	14.0
68	5.4	4.5	6.7



#23
Nitrobenzene-d5
Concen: 60.918 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 82 Resp: 380570

Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.4	47.0
54	62.1	49.8	74.6

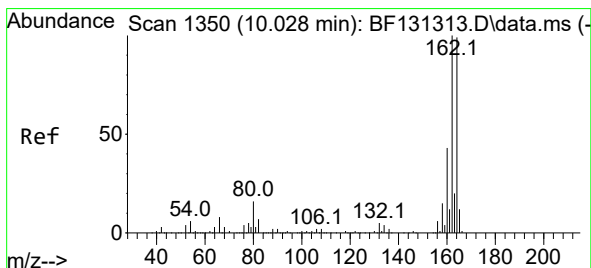
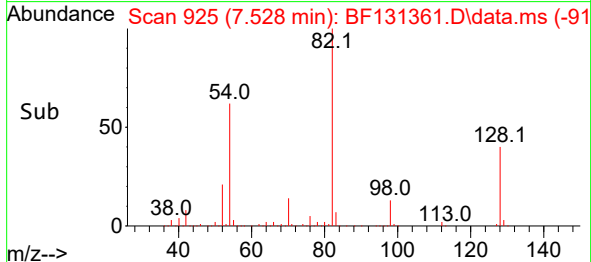
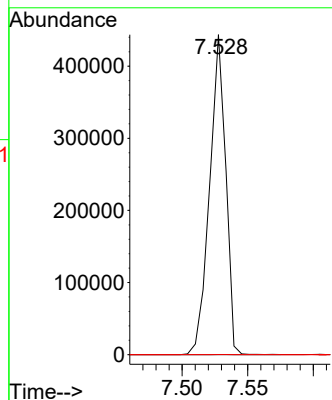
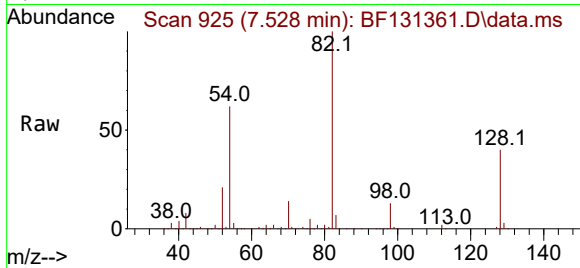




#25
Isophorone
Concen: 34.144 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

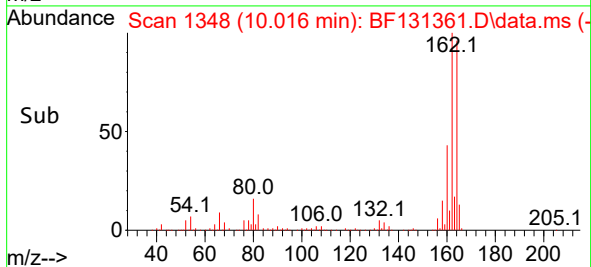
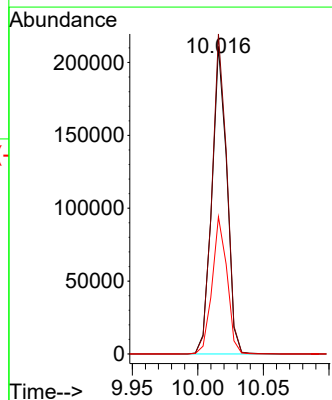
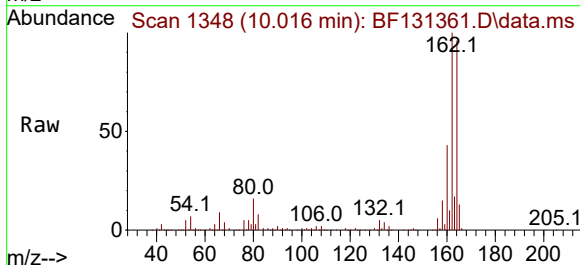
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

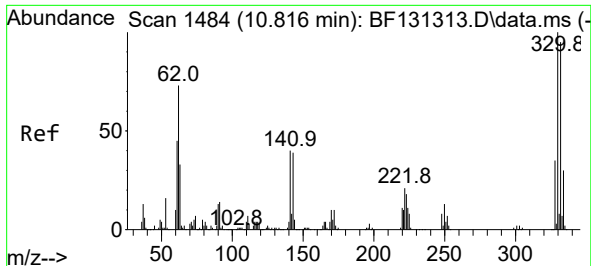
Tgt Ion: 82 Resp: 380564
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion:164 Resp: 167172
Ion Ratio Lower Upper
164 100
162 104.1 80.6 120.8
160 44.6 34.4 51.6

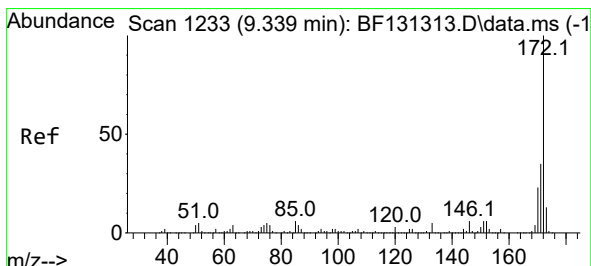
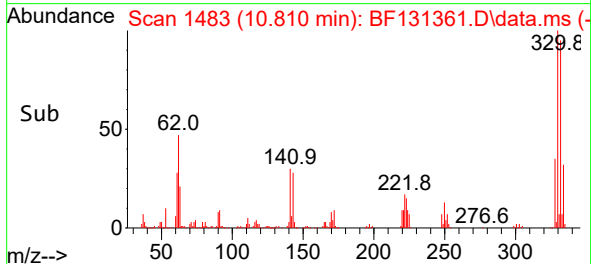
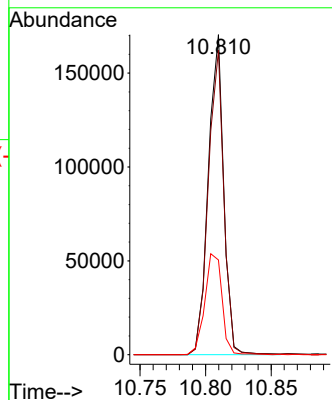
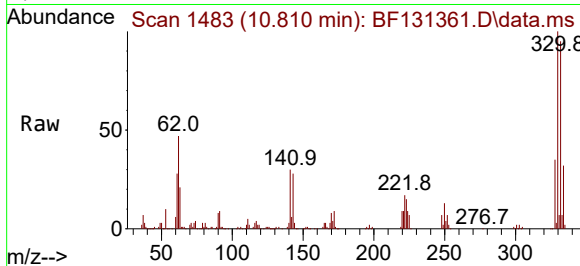




#42
2,4,6-Tribromophenol
Concen: 99.327 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

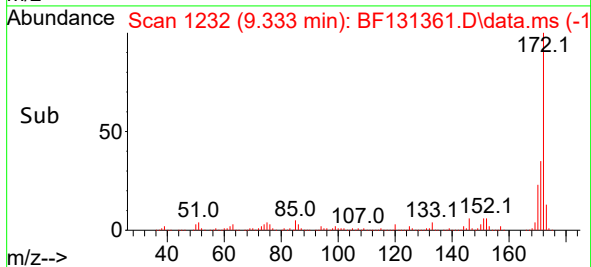
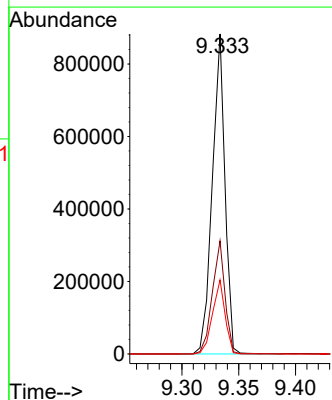
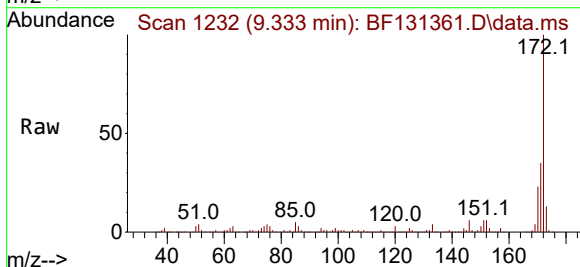
Instrument :
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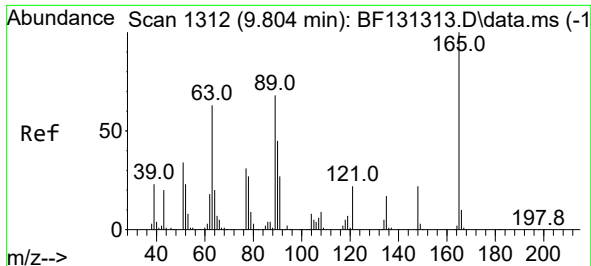
Tgt Ion:330 Resp: 139696
Ion Ratio Lower Upper
330 100
332 96.0 77.5 116.3
141 35.3 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 59.488 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion:172 Resp: 683572
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.2 18.7 28.1

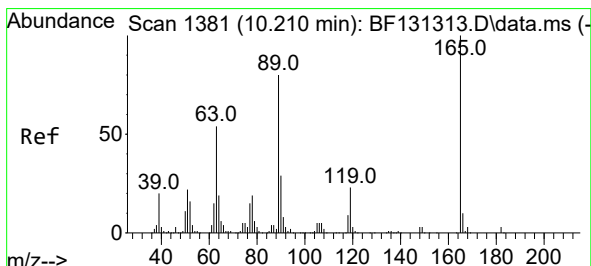
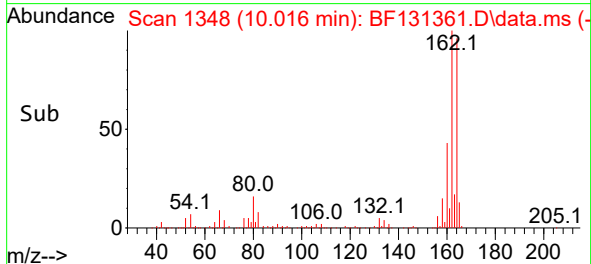
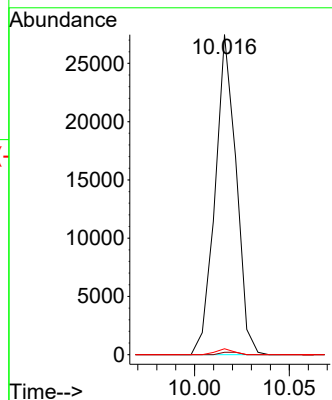
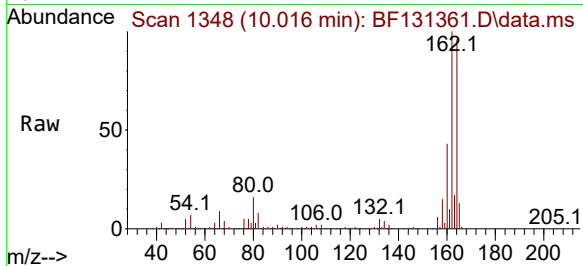




#51
2,6-Dinitrotoluene
Concen: 9.107 ng
RT: 10.016 min Scan# 1312
Delta R.T. 0.212 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

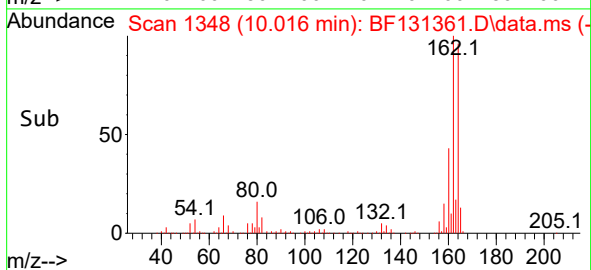
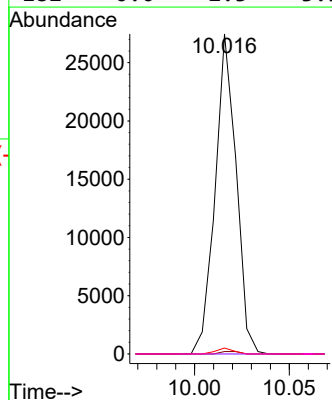
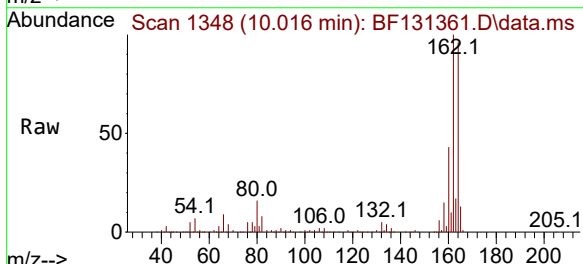
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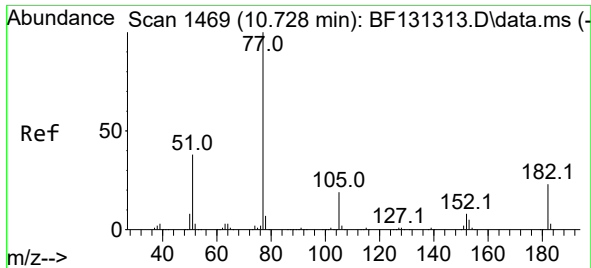
Tgt Ion:165 Resp: 21214
Ion Ratio Lower Upper
165 100
63 0.7 62.0 93.0#
89 1.8 54.4 81.6#



#57
2,4-Dinitrotoluene
Concen: 7.238 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.188 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion:165 Resp: 21214
Ion Ratio Lower Upper
165 100
63 0.7 43.4 65.2#
89 1.8 64.0 96.0#
182 0.0 2.3 3.5#

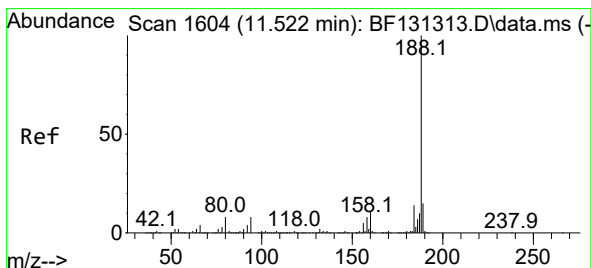
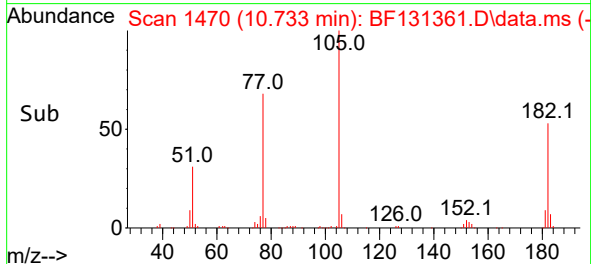
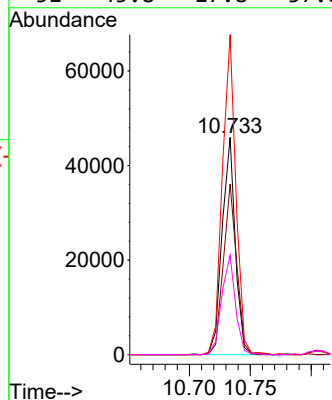
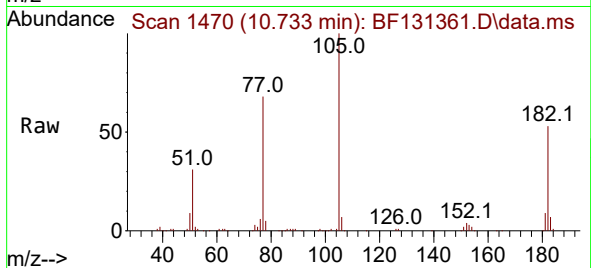




#63
Azobenzene
Concen: 2.936 ng
RT: 10.733 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

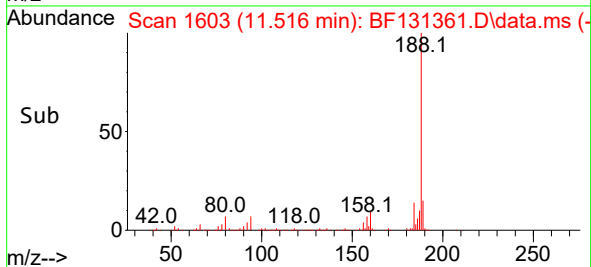
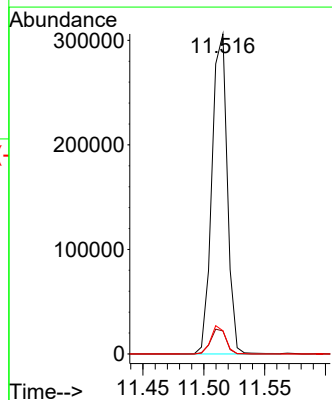
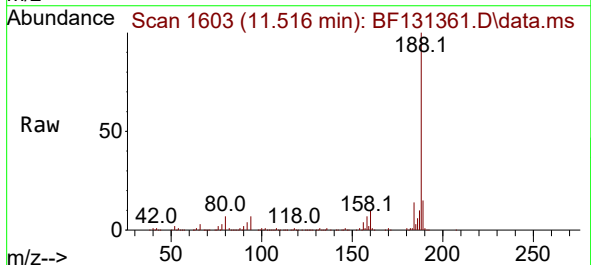
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

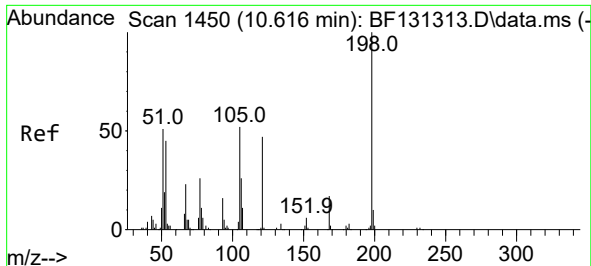
Tgt Ion: 77	Resp: 34722
Ion Ratio	Lower Upper
77	100
182	78.6 3.1 43.1#
105	147.3 0.0 39.2#
51	45.8 17.8 57.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 188	Resp: 268418
Ion Ratio	Lower Upper
188	100
94	7.2 6.3 9.5
80	7.3 6.8 10.2

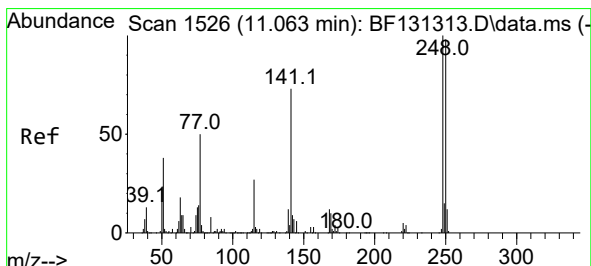
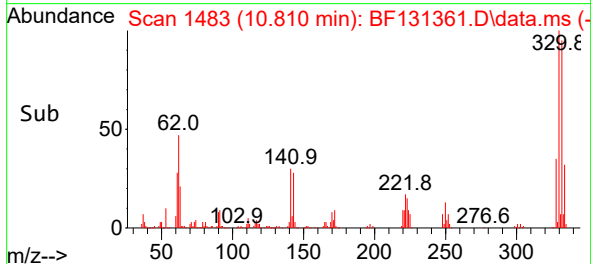
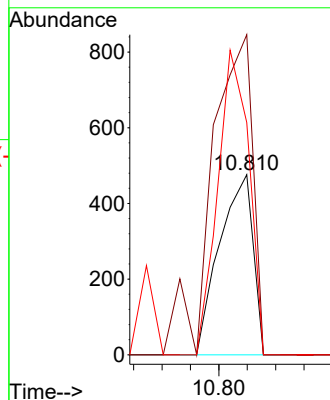
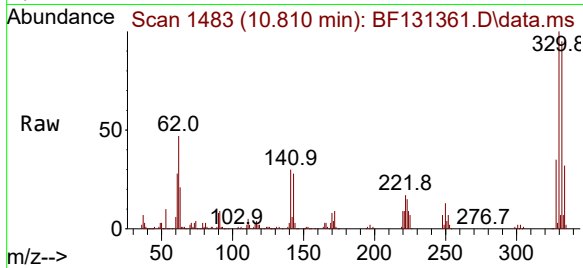




#65
4,6-Dinitro-2-methylphenol
Concen: 4.953 ng
RT: 10.810 min Scan# 1450
Delta R.T. 0.200 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

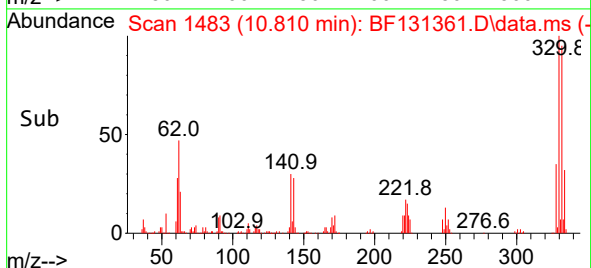
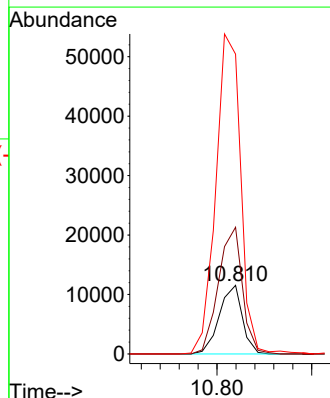
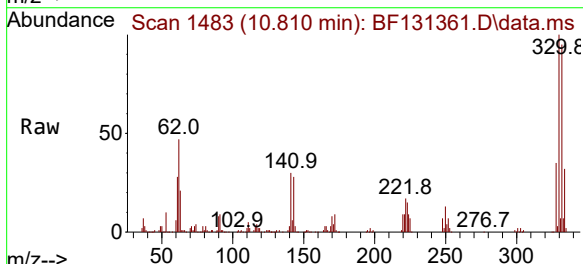
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

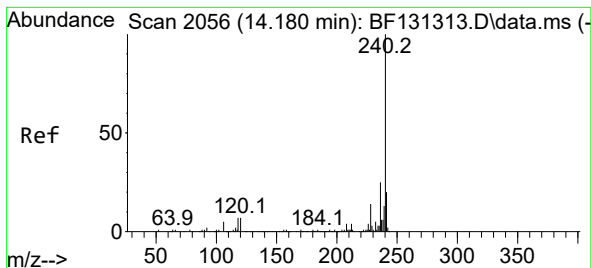
Tgt Ion:198 Resp: 390
Ion Ratio Lower Upper
198 100
51 177.7 50.1 90.1#
105 129.0 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.964 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.247 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Tgt Ion:248 Resp: 9751
Ion Ratio Lower Upper
248 100
250 184.8 78.3 117.5#
141 437.3 58.0 87.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.168 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BF131361.D

Acq: 23 Nov 2022 14:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1

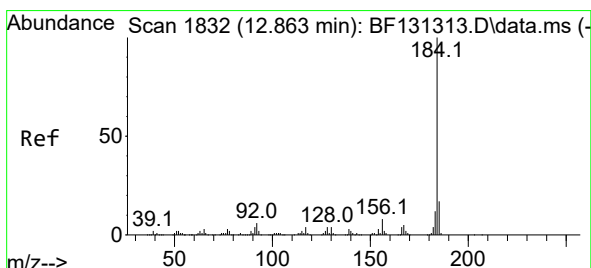
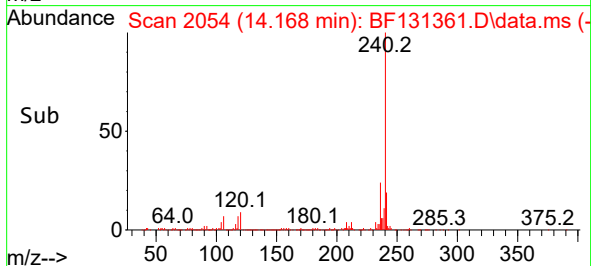
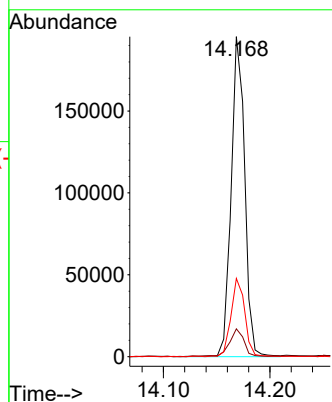
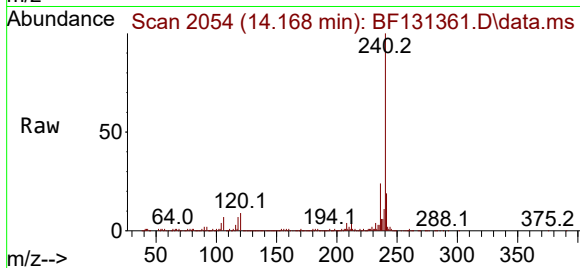
Tgt Ion:240 Resp: 173004

Ion Ratio Lower Upper

240 100

120 8.7 5.8 8.8

236 24.5 20.3 30.5



#77

Benzidine

Concen: 2.275 ng

RT: 13.110 min Scan# 1874

Delta R.T. 0.253 min

Lab File: BF131361.D

Acq: 23 Nov 2022 14:00

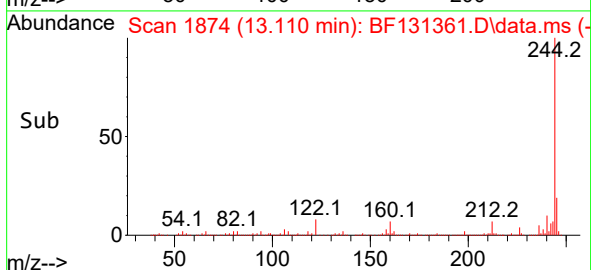
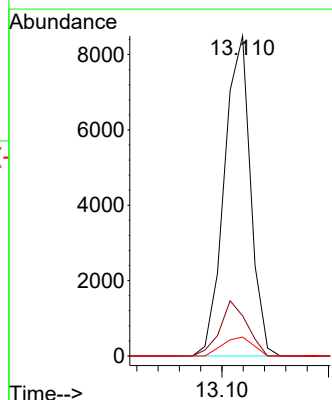
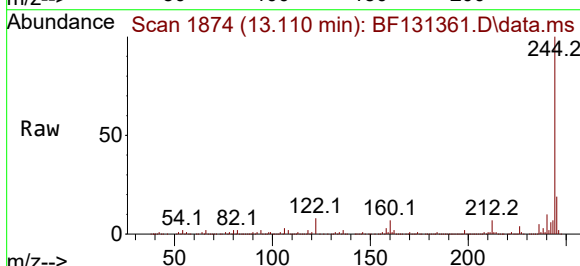
Tgt Ion:184 Resp: 7270

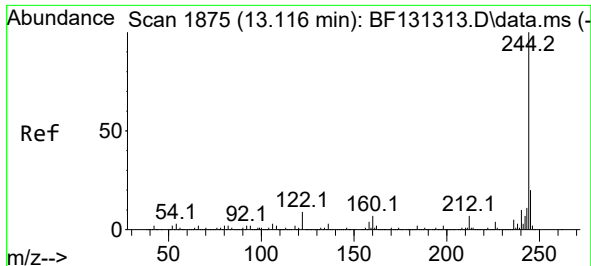
Ion Ratio Lower Upper

184 100

185 12.6 13.8 20.8#

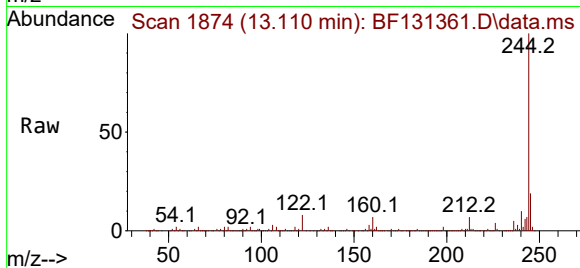
183 5.9 9.6 14.4#



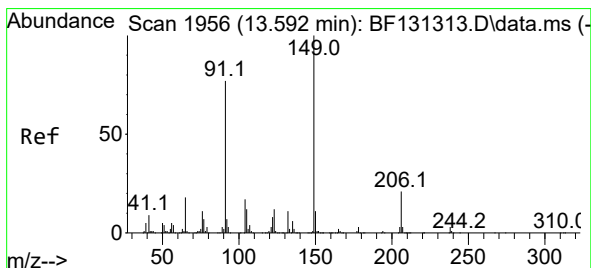
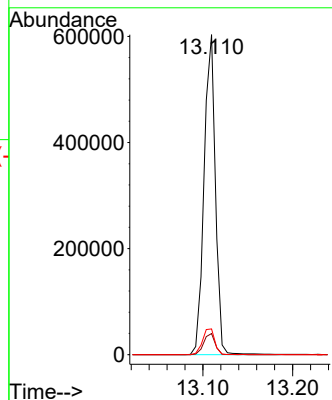
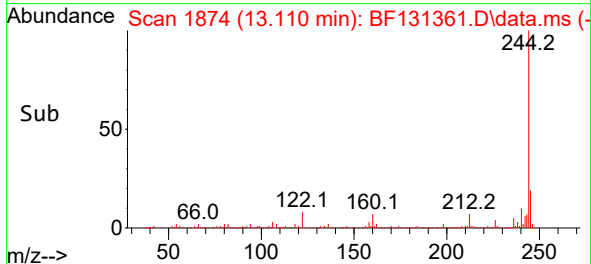


#79
 Terphenyl-d14
 Concen: 50.012 ng
 RT: 13.110 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131361.D
 Acq: 23 Nov 2022 14:00

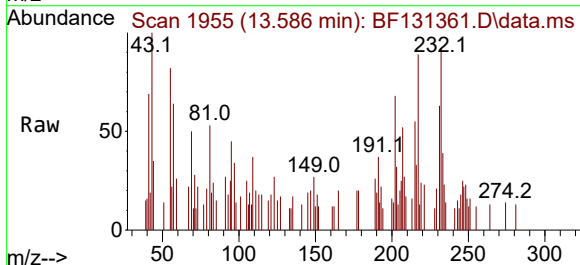
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1



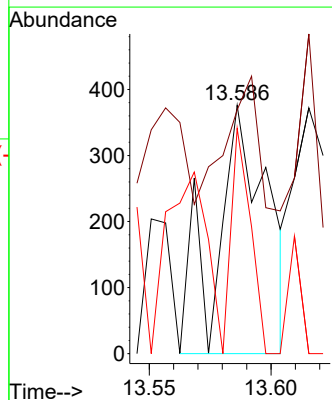
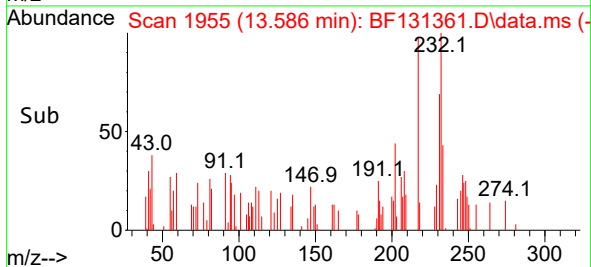
Tgt Ion:244 Resp: 529108
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 8.0 7.5 11.3

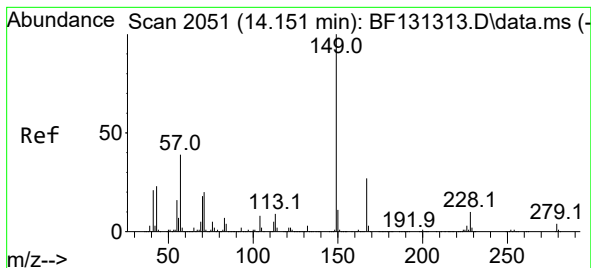


#80
 Butylbenzylphthalate
 Concen: 4.240 ng
 RT: 13.586 min Scan# 1955
 Delta R.T. -0.000 min
 Lab File: BF131361.D
 Acq: 23 Nov 2022 14:00



Tgt Ion:149 Resp: 544
 Ion Ratio Lower Upper
 149 100
 91 98.1 61.9 92.9#
 206 90.7 16.5 24.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.946 ng

RT: 14.145 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131361.D

Acq: 23 Nov 2022 14:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1

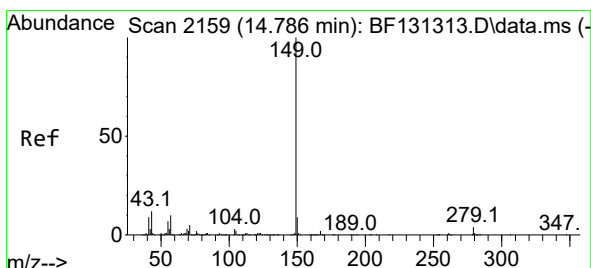
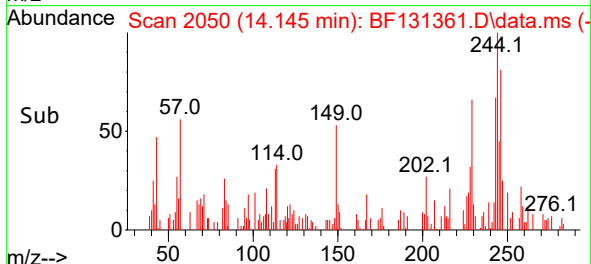
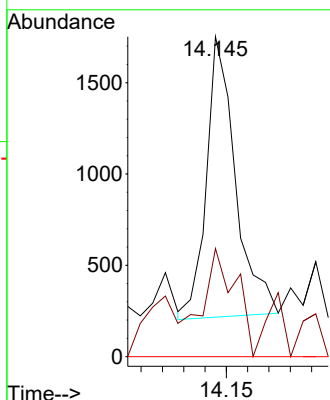
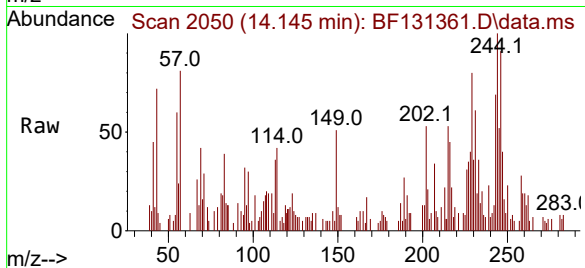
Tgt Ion:149 Resp: 1458

Ion Ratio Lower Upper

149 100

167 33.8 21.9 32.9#

279 0.0 3.0 4.4#



#85

Di-n-octyl phthalate

Concen: 14.384 ng

RT: 14.780 min Scan# 2158

Delta R.T. 0.006 min

Lab File: BF131361.D

Acq: 23 Nov 2022 14:00

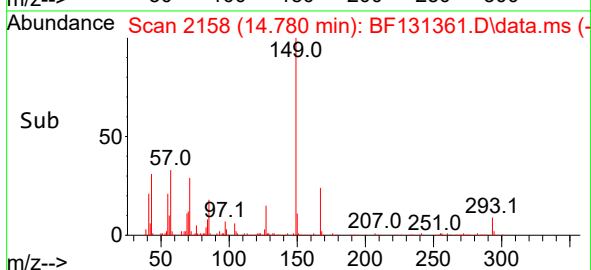
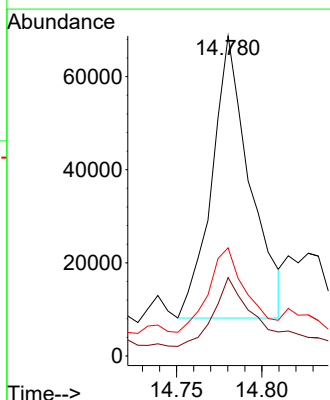
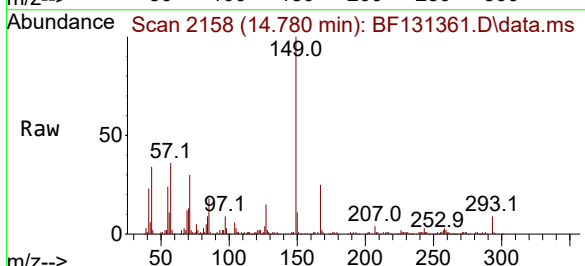
Tgt Ion:149 Resp: 93727

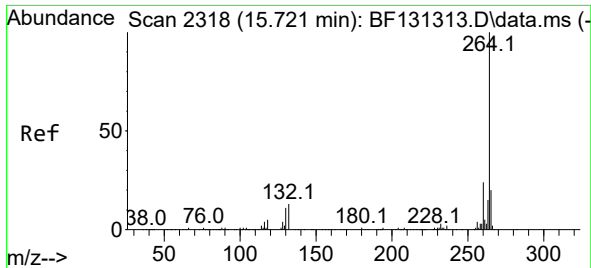
Ion Ratio Lower Upper

149 100

167 28.0 1.2 1.8#

43 33.0 10.7 16.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131361.D
Acq: 23 Nov 2022 14:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

Tgt Ion:264 Resp: 197571

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.8	16.4	24.6

