

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127061.D
 Acq On : 24 Feb 2022 17:05
 Operator : CG\JU
 Sample : N1650-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)

Quant Time: Feb 25 01:45:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

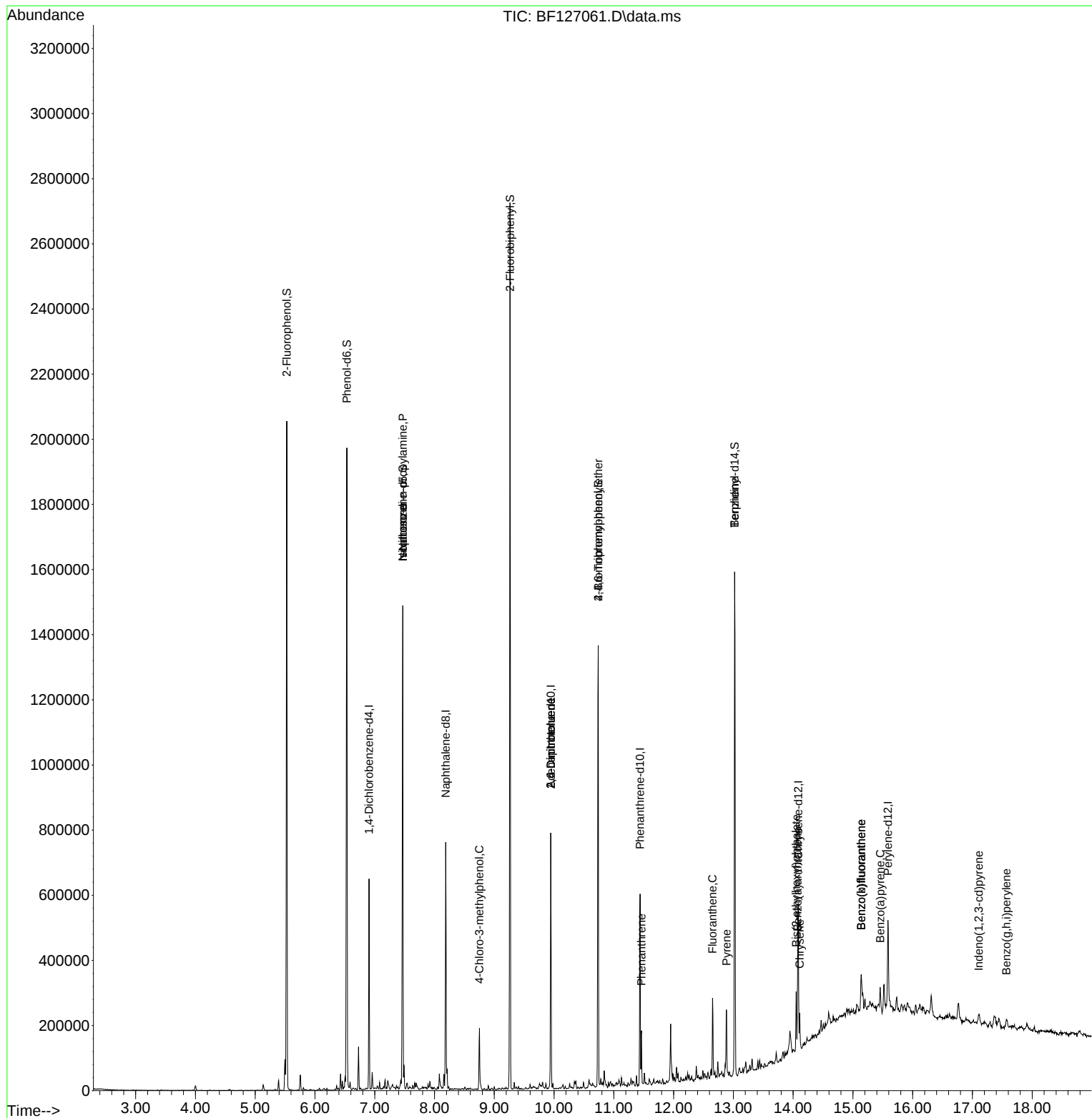
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	69030	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	275594	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	134318	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	192759	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	129593	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	110953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	440572	98.644	ng	0.00
7) Phenol-d6	6.534	99	578329	95.962	ng	0.00
23) Nitrobenzene-d5	7.469	82	436115	71.428	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	147577	95.427	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	674993	73.981	ng	0.00
79) Terphenyl-d14	13.022	244	500893	56.819	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	63387	16.323	ng	# 84
25) Isophorone	7.469	82	436080	43.162	ng	# 69
36) 4-Chloro-3-methylphenol	8.751	107	25241	5.207	ng	# 23
51) 2,6-Dinitrotoluene	9.945	165	17318	8.866	ng	# 22
57) 2,4-Dinitrotoluene	9.945	165	17318	6.557	ng	# 16
67) 4-Bromophenyl-phenylether	10.739	248	9185	4.265	ng	# 1
71) Phenanthrene	11.463	178	56446	5.232	ng	99
75) Fluoranthene	12.651	202	78915	7.703	ng	94
77) Benzidine	13.022	184	8240	2.340	ng	# 87
78) Pyrene	12.886	202	80910	7.186	ng	99
81) Benzo(a)anthracene	14.074	228	41185	4.714	ng	94
83) Chrysene	14.110	228	42686	5.196	ng	98
84) Bis(2-ethylhexyl)phtha...	14.051	149	42051	6.009	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.104	276	21291	2.926	ng	# 77
88) Benzo(b)fluoranthene	15.139	252	69980	9.391	ng	97
89) Benzo(k)fluoranthene	15.139	252	69980	9.736	ng	98
90) Benzo(a)pyrene	15.457	252	29526	5.073	ng	96
92) Benzo(g,h,i)perylene	17.568	276	20824	3.510	ng	# 85

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

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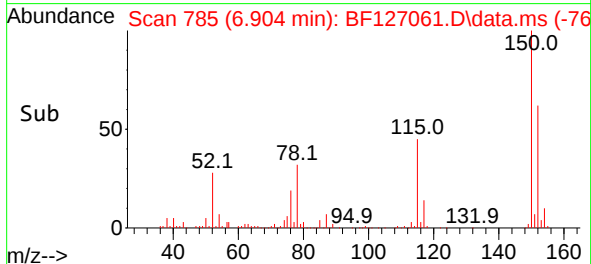
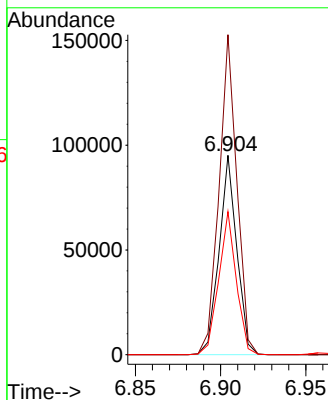
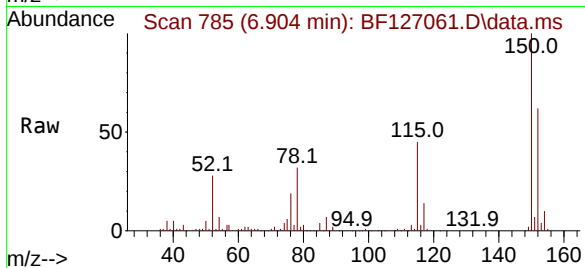




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

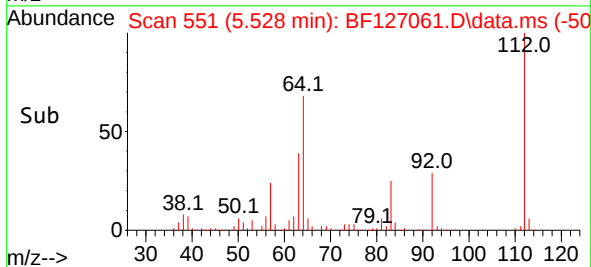
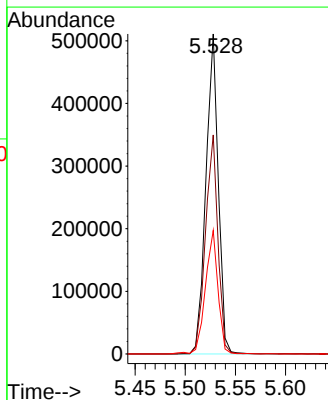
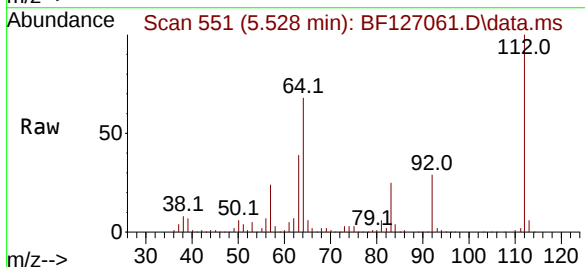
Instrument :
BNA_F
ClientSampleId :
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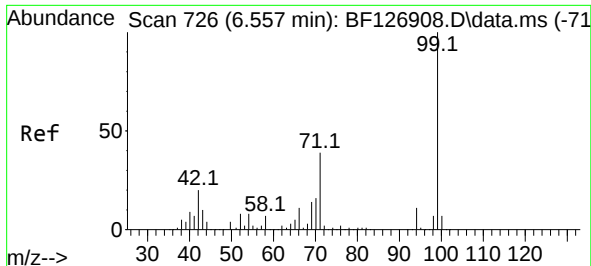
Tgt Ion:152 Resp: 69030
Ion Ratio Lower Upper
152 100
150 160.5 128.1 192.1
115 71.8 56.7 85.1



#5
2-Fluorophenol
Concen: 98.644 ng
RT: 5.528 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:112 Resp: 440572
Ion Ratio Lower Upper
112 100
64 68.5 49.5 74.3
63 38.6 23.9 35.9#

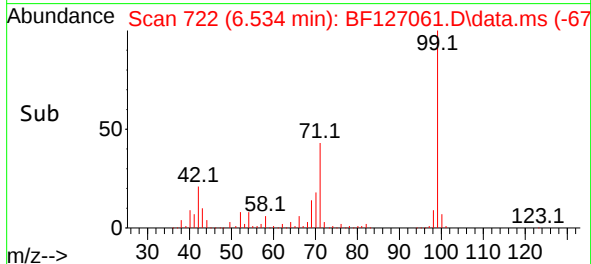
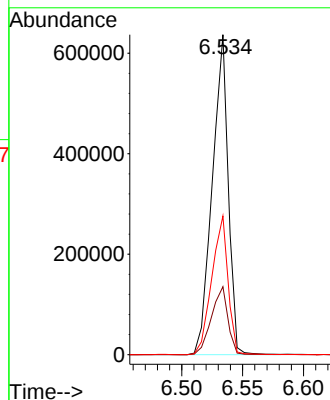
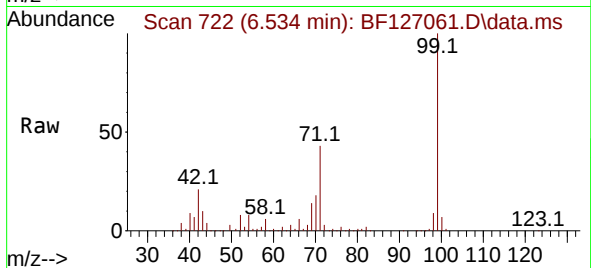




#7
Phenol-d6
Concen: 95.962 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

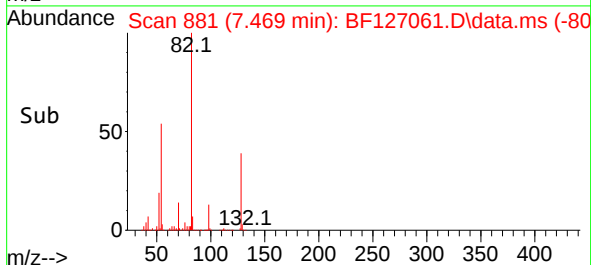
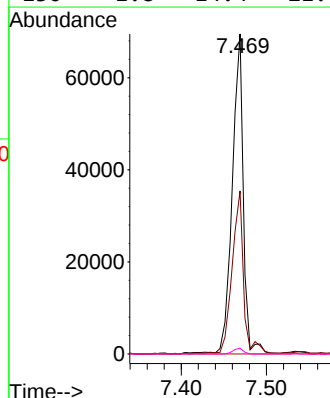
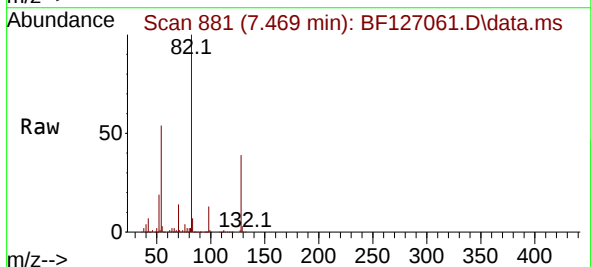
Instrument :
BNA_F
ClientSampleId :
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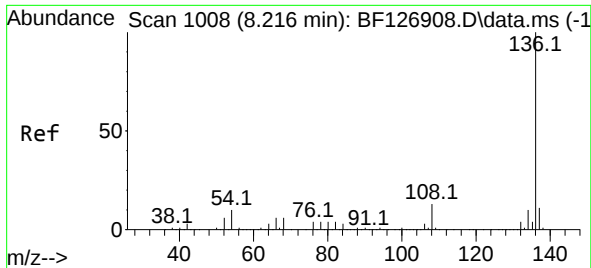
Tgt Ion: 99 Resp: 578329
Ion Ratio Lower Upper
99 100
42 21.2 14.2 21.4
71 43.4 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 16.323 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.147 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion: 70 Resp: 63387
Ion Ratio Lower Upper
70 100
42 50.9 45.8 68.8
101 0.0 6.9 10.3#
130 1.8 14.4 21.6#

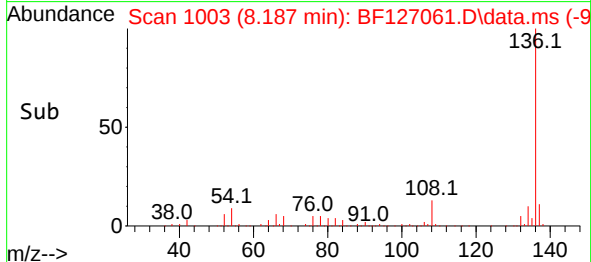
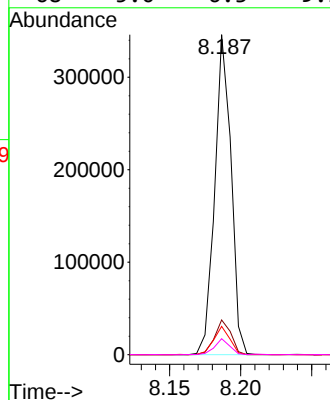
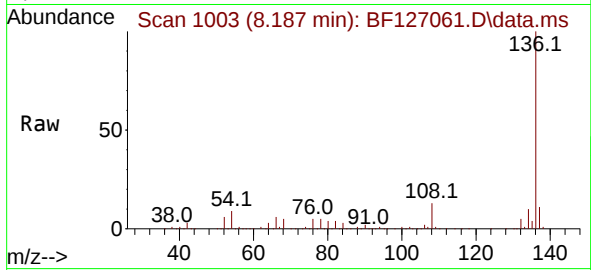




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

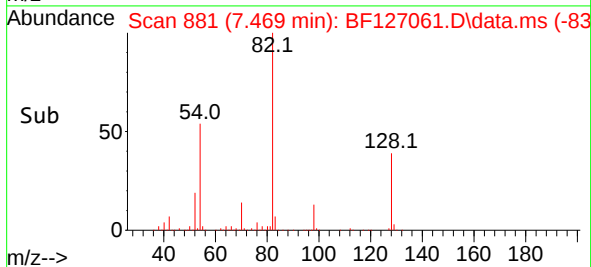
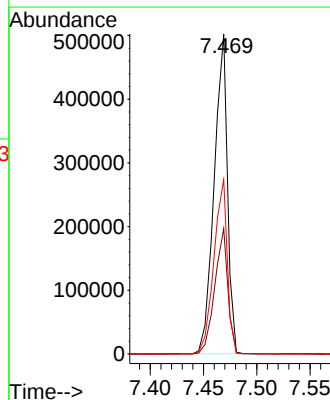
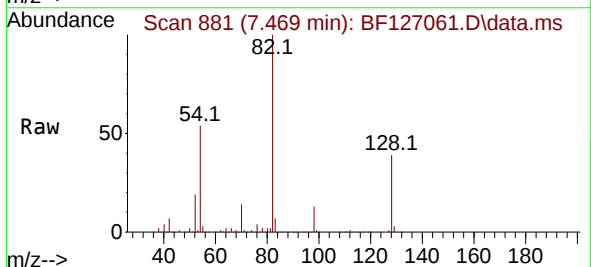
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion:136 Resp: 275594
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.9 7.8 11.6
68 5.0 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 71.428 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion: 82 Resp: 436115
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 54.5 41.7 62.5

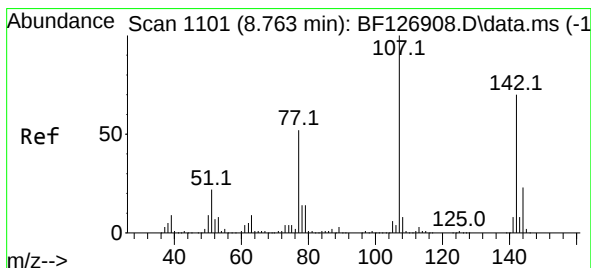
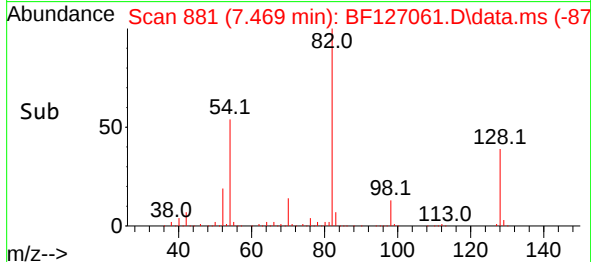
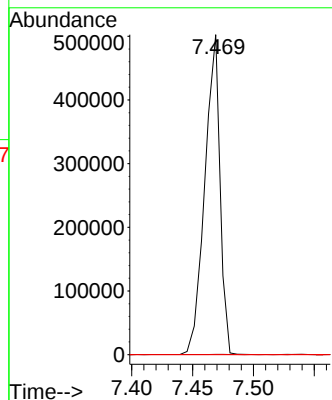
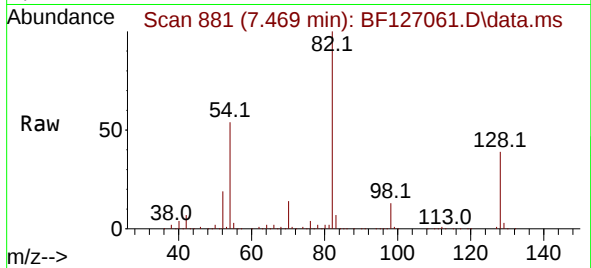




#25
Isophorone
Concen: 43.162 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

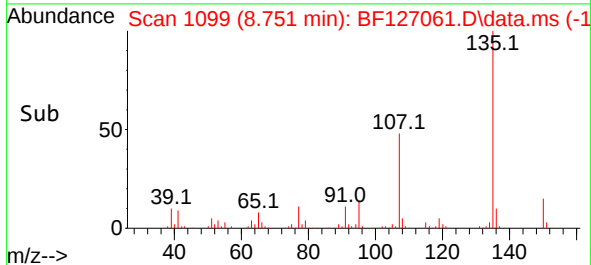
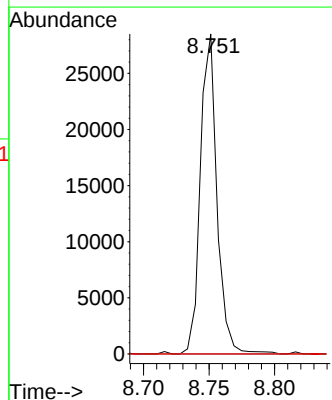
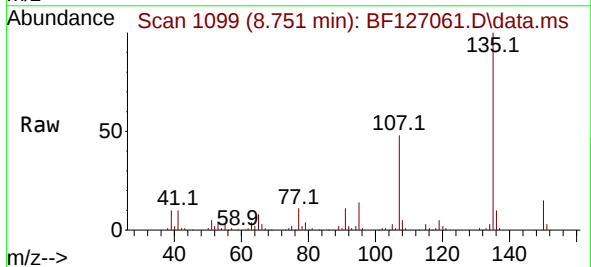
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

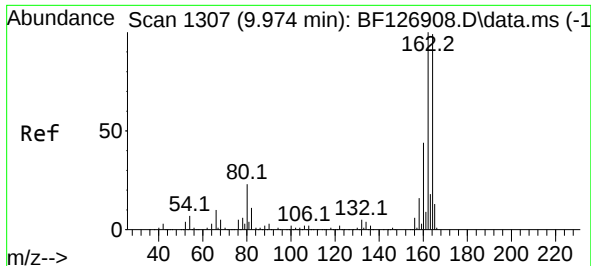
Tgt Ion: 82 Resp: 436080
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#36
4-Chloro-3-methylphenol
Concen: 5.207 ng
RT: 8.751 min Scan# 1099
Delta R.T. 0.012 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion: 107 Resp: 25241
Ion Ratio Lower Upper
107 100
144 0.0 18.5 27.7#
142 0.0 58.1 87.1#

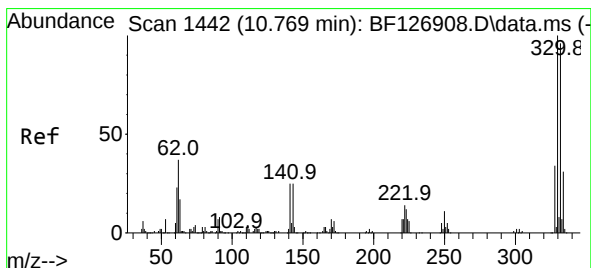
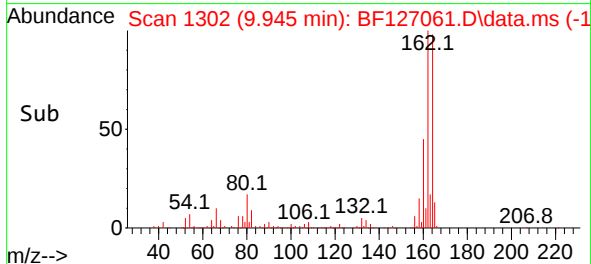
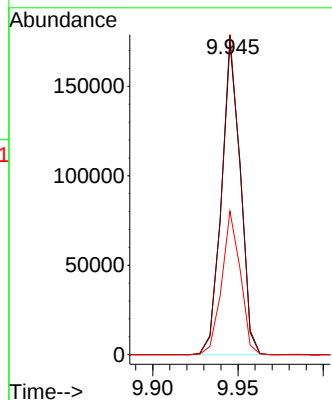
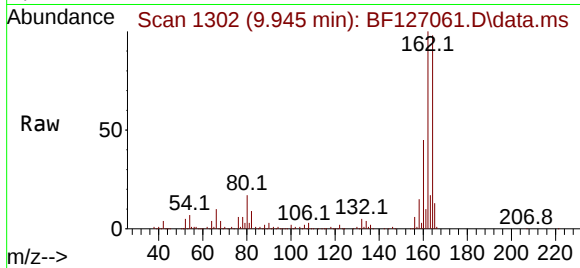




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

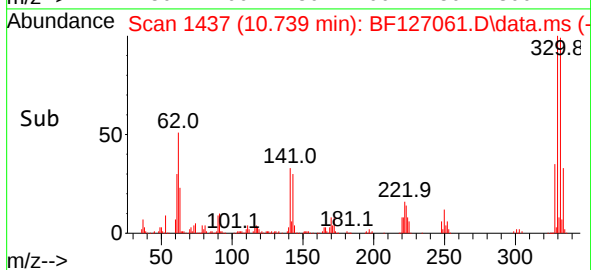
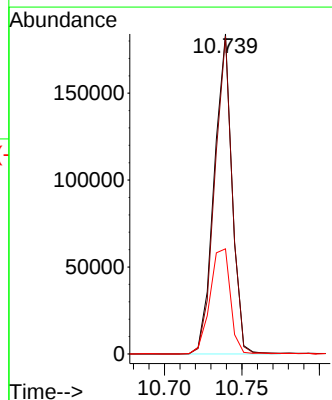
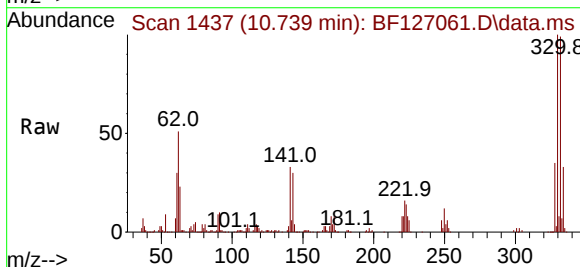
Instrument :
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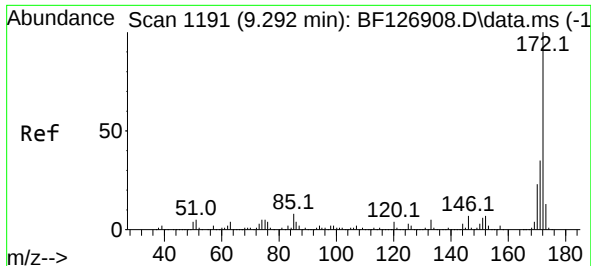
Tgt Ion:164 Resp: 134318
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 45.9 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 95.427 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:330 Resp: 147577
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 37.8 30.1 45.1

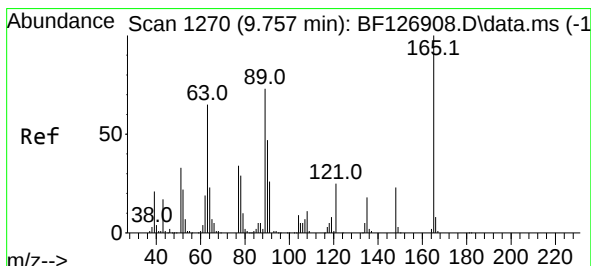
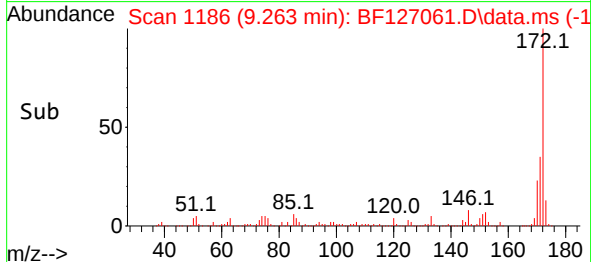
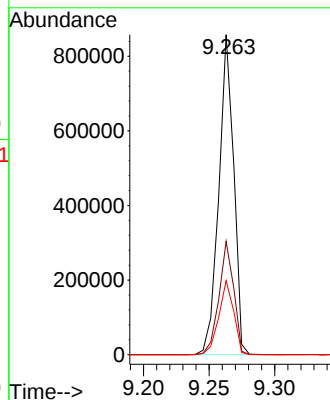
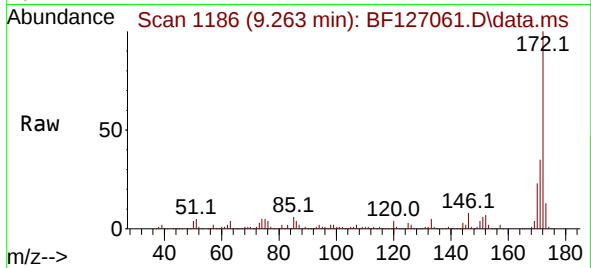




#45
2-Fluorobiphenyl
Concen: 73.981 ng
RT: 9.263 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

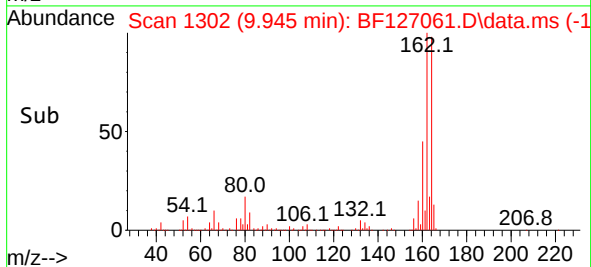
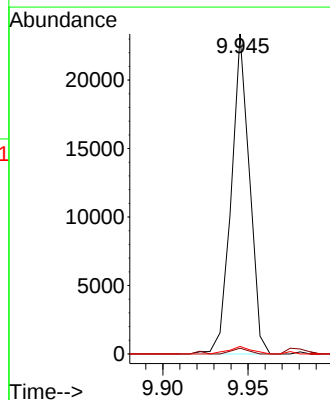
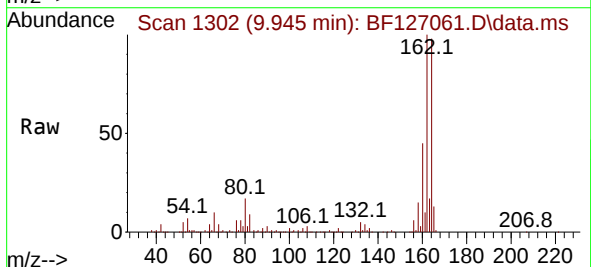
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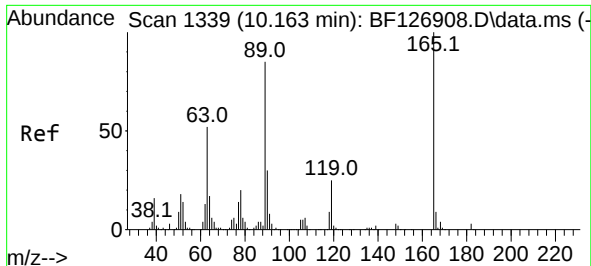
Tgt Ion:172 Resp: 674993
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.1 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.866 ng
RT: 9.945 min Scan# 1302
Delta R.T. 0.212 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:165 Resp: 17318
Ion Ratio Lower Upper
165 100
63 1.8 48.4 72.6#
89 2.4 50.5 75.7#

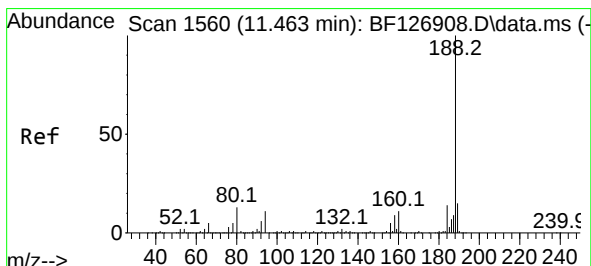
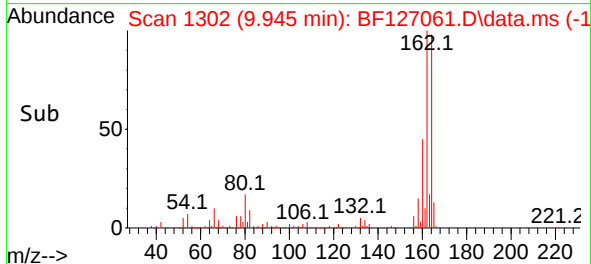
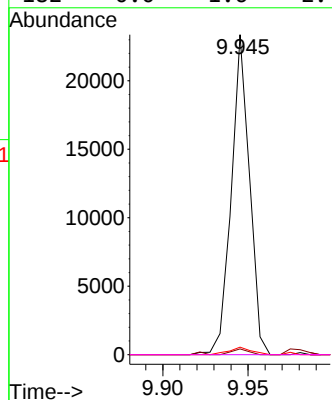
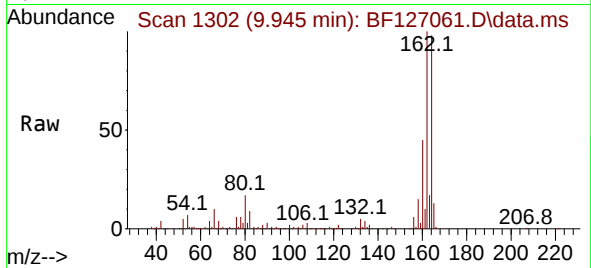




#57
2,4-Dinitrotoluene
Concen: 6.557 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

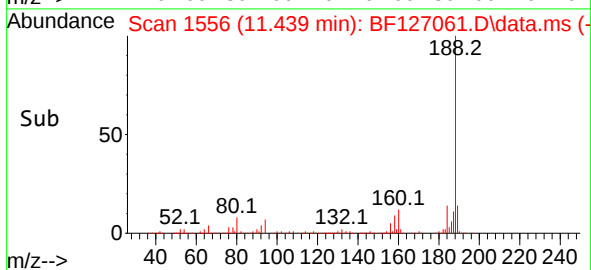
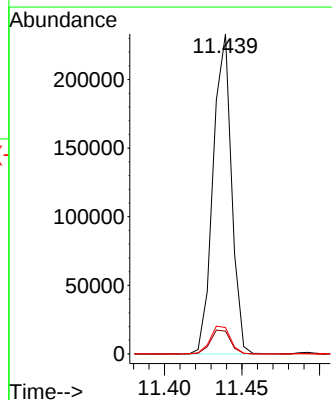
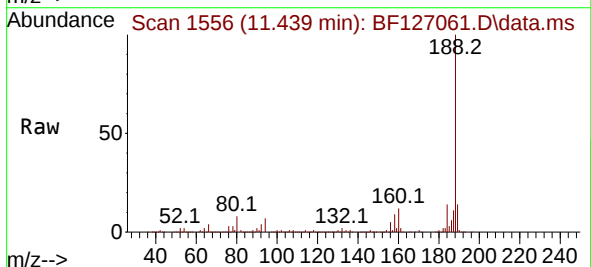
Instrument :
BNA_F
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NW-SURFICIAL-SOIL-(NW-SS)

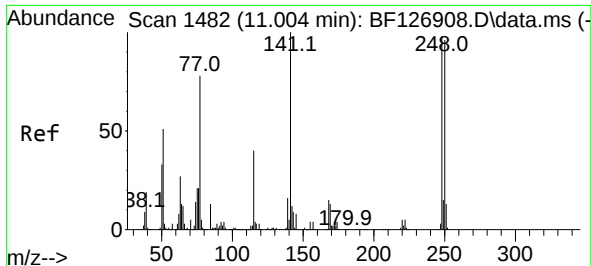
Tgt Ion:165 Resp: 17318
Ion Ratio Lower Upper
165 100
63 1.8 43.0 64.6#
89 2.4 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:188 Resp: 192759
Ion Ratio Lower Upper
188 100
94 7.2 10.1 15.1#
80 8.2 11.8 17.6#

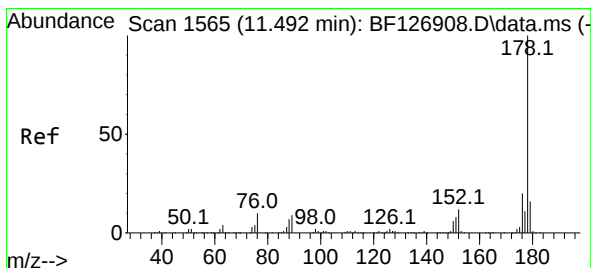
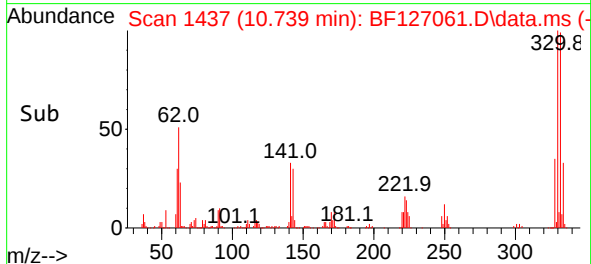
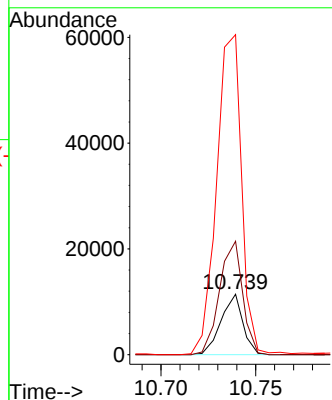
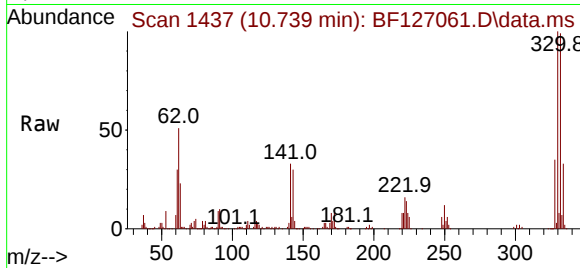




#67
4-Bromophenyl-phenylether
Concen: 4.265 ng
RT: 10.739 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

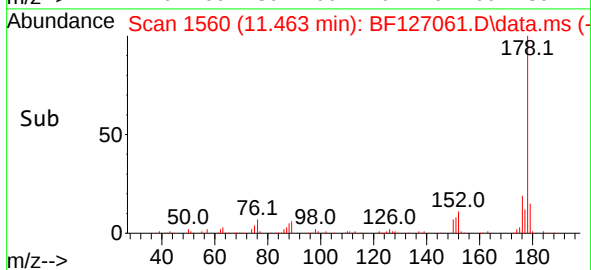
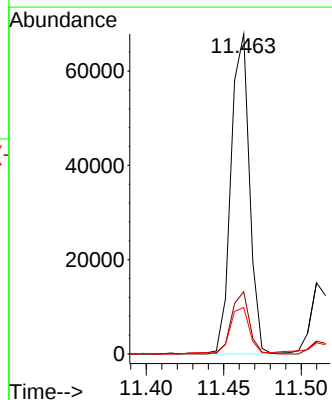
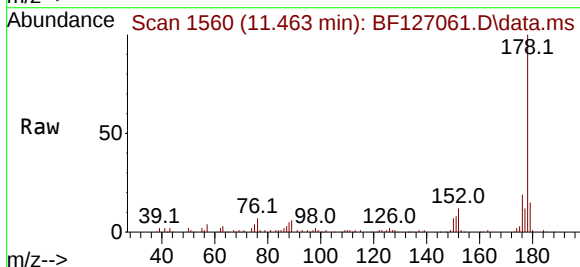
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

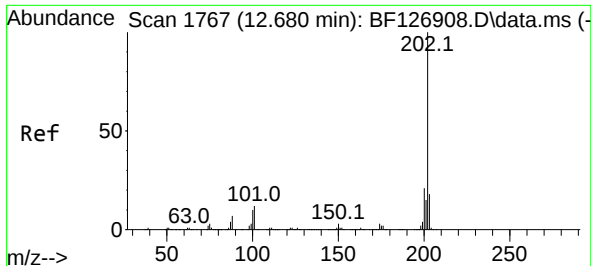
Tgt Ion:248 Resp: 9185
Ion Ratio Lower Upper
248 100
250 187.5 76.2 114.4#
141 529.0 66.2 99.4#



#71
Phenanthrene
Concen: 5.232 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:178 Resp: 56446
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.5 12.3 18.5

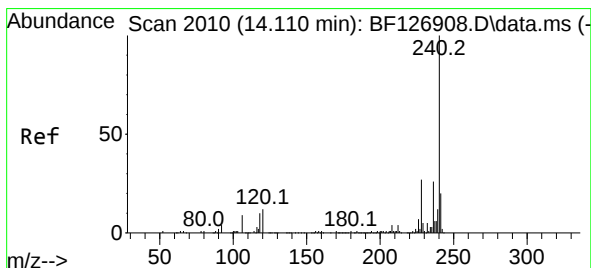
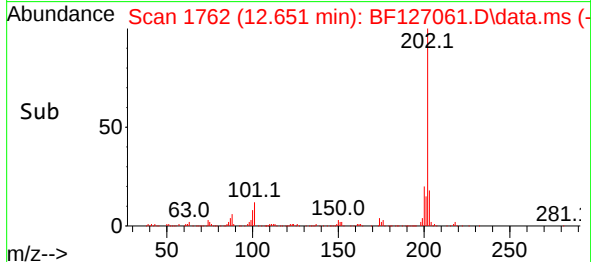
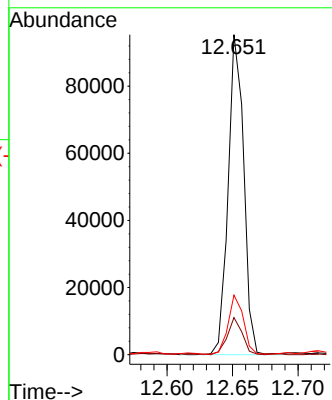
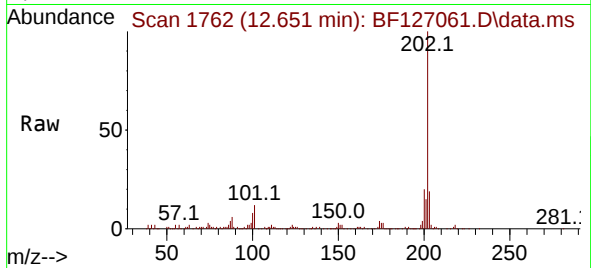




#75
Fluoranthene
Concen: 7.703 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

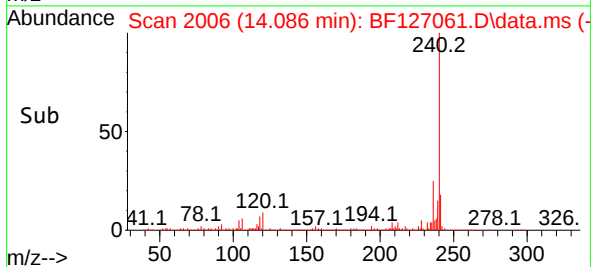
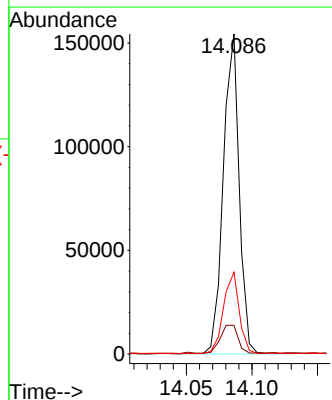
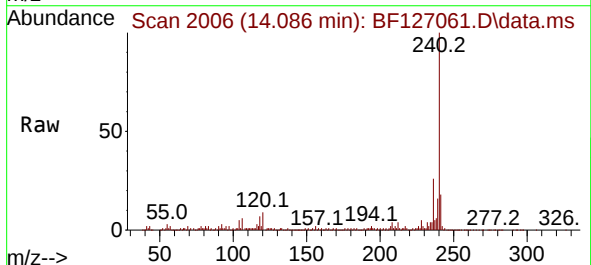
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

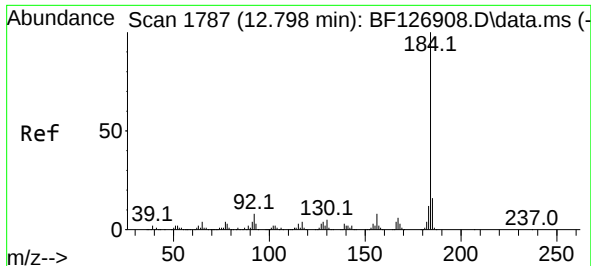
Tgt Ion:202 Resp: 78915
Ion Ratio Lower Upper
202 100
101 11.6 0.0 35.7
203 18.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:240 Resp: 129593
Ion Ratio Lower Upper
240 100
120 8.9 14.4 21.6#
236 25.5 20.5 30.7

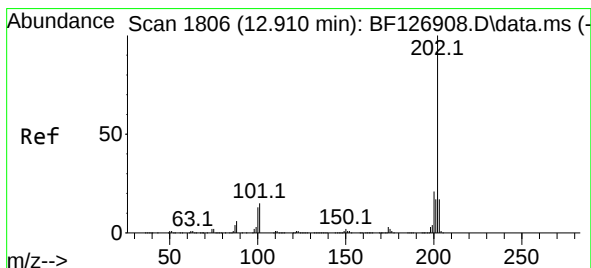
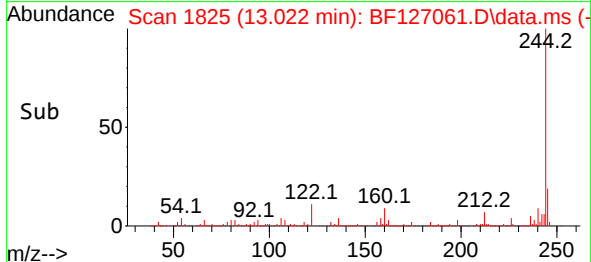
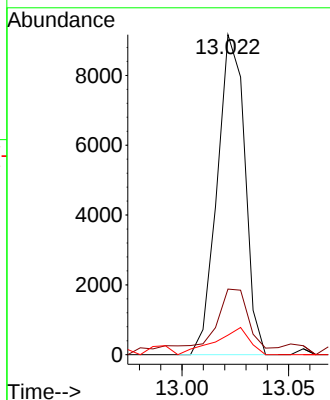
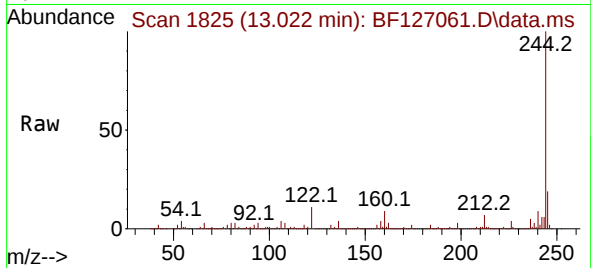




#77
Benzidine
Concen: 2.340 ng
RT: 13.022 min Scan# 1825
Delta R.T. 0.247 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

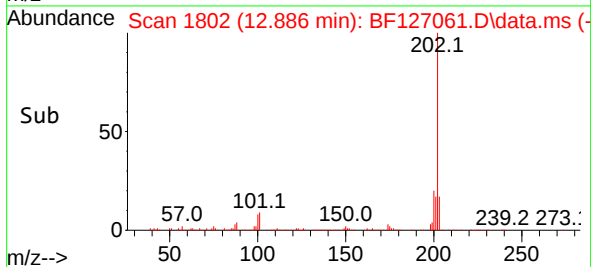
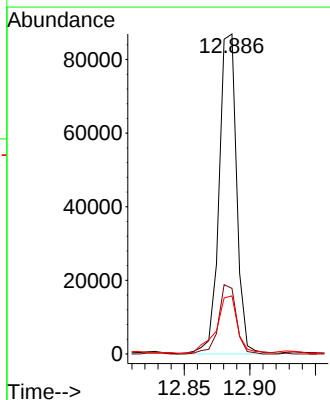
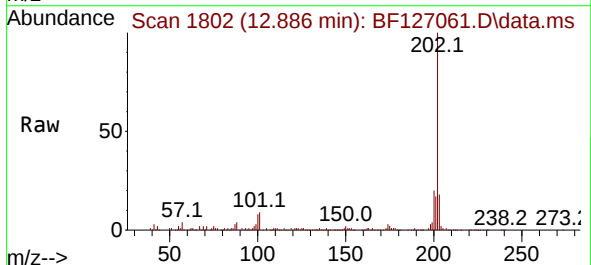
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

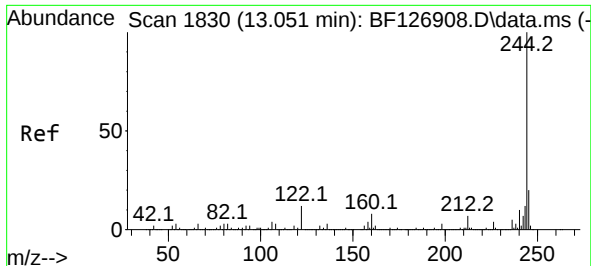
Tgt Ion:184 Resp: 8240
Ion Ratio Lower Upper
184 100
185 20.5 11.8 17.8#
183 6.1 8.2 12.2#



#78
Pyrene
Concen: 7.186 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:202 Resp: 80910
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.1 13.8 20.8

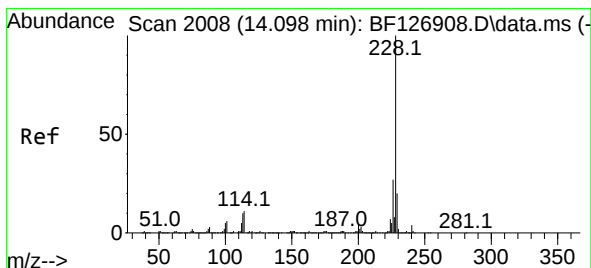
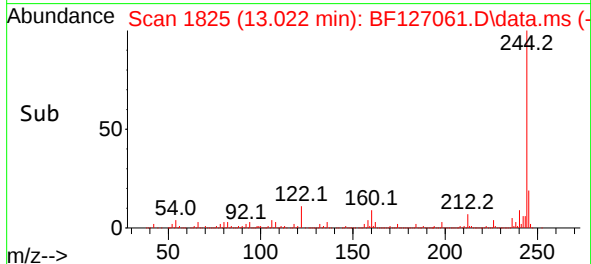
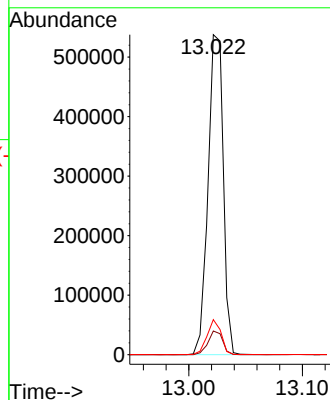
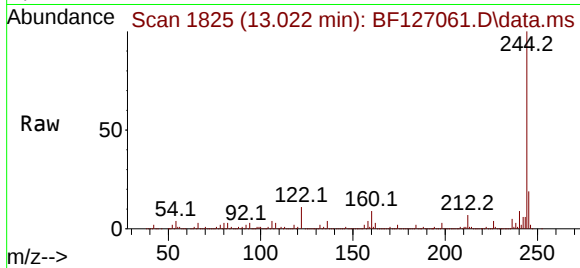




#79
 Terphenyl-d14
 Concen: 56.819 ng
 RT: 13.022 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127061.D
 Acq: 24 Feb 2022 17:05

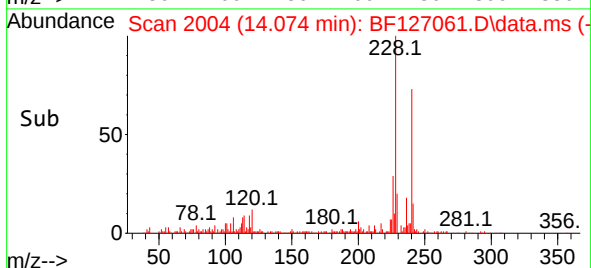
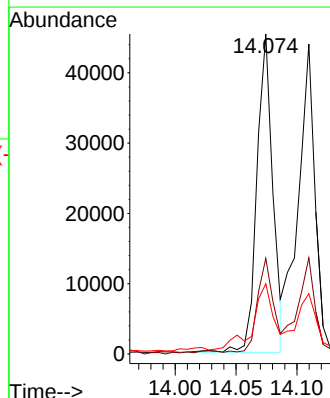
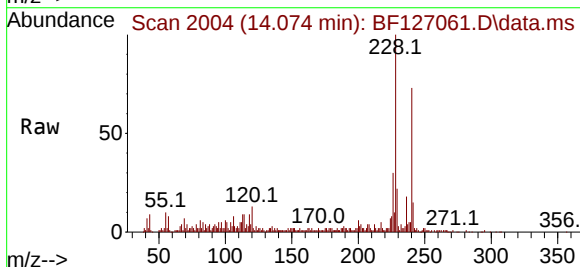
Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)

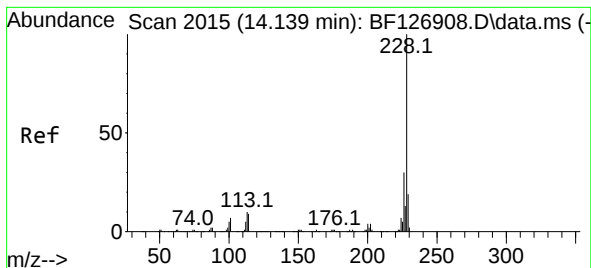
Tgt Ion:244 Resp: 500893
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.0 7.4
 122 11.0 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 4.714 ng
 RT: 14.074 min Scan# 2004
 Delta R.T. -0.006 min
 Lab File: BF127061.D
 Acq: 24 Feb 2022 17:05

Tgt Ion:228 Resp: 41185
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.4 32.0
 229 21.9 15.4 23.2





#83

Chrysene

Concen: 5.196 ng

RT: 14.110 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF127061.D

Acq: 24 Feb 2022 17:05

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)

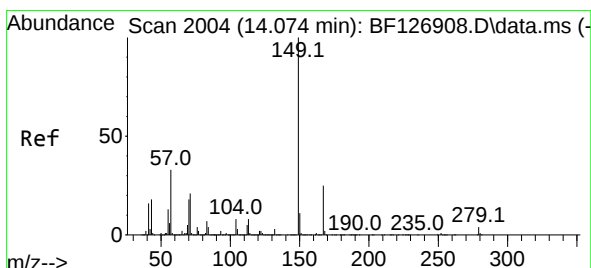
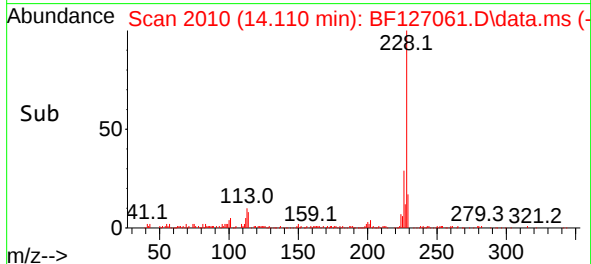
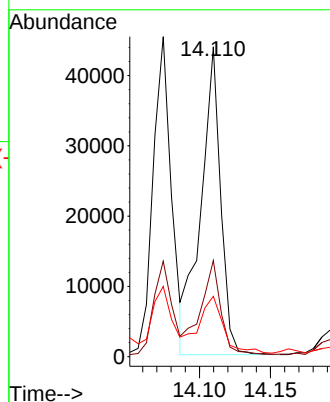
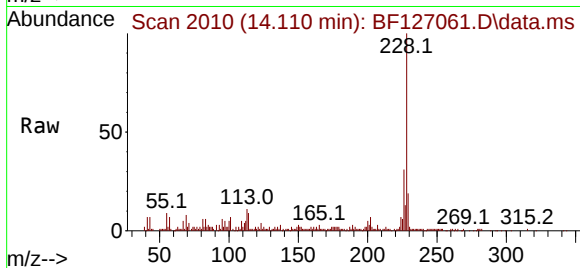
Tgt Ion:228 Resp: 42686

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 19.5 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.009 ng

RT: 14.051 min Scan# 2000

Delta R.T. 0.000 min

Lab File: BF127061.D

Acq: 24 Feb 2022 17:05

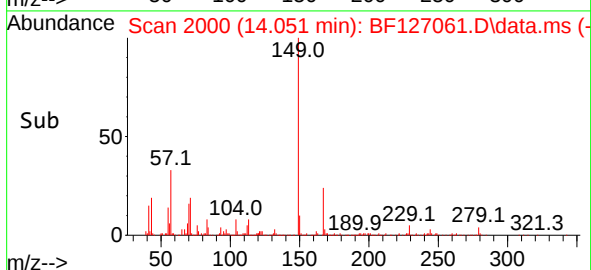
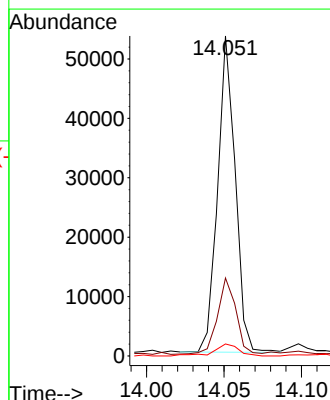
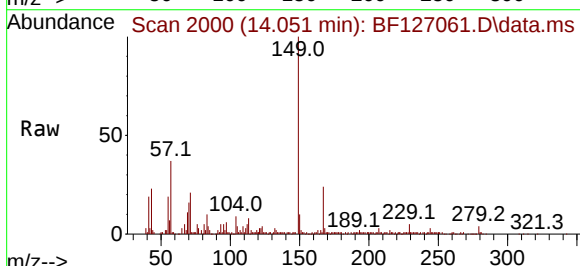
Tgt Ion:149 Resp: 42051

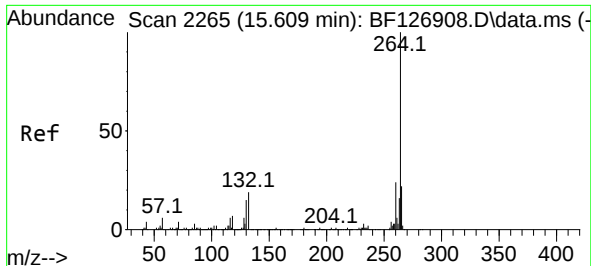
Ion Ratio Lower Upper

149 100

167 24.4 21.4 32.2

279 3.7 2.4 3.6#

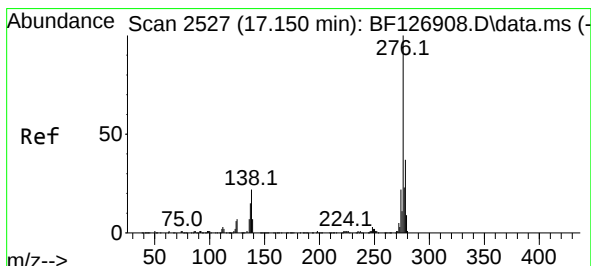
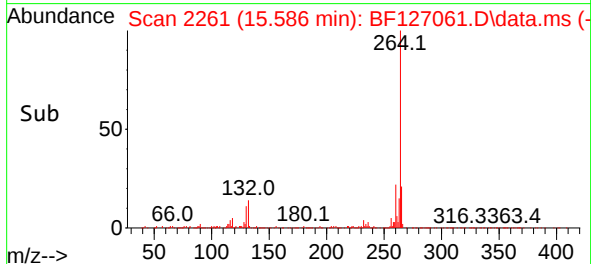
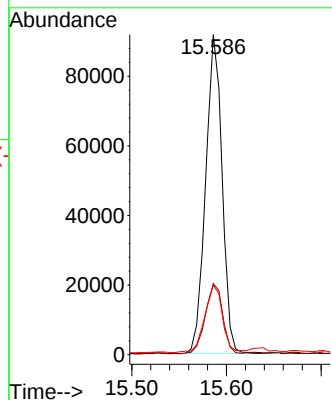
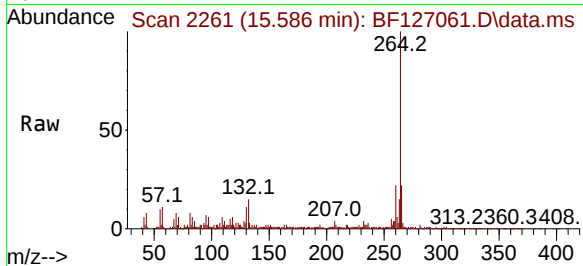




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

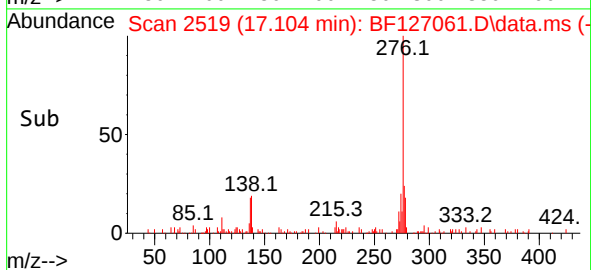
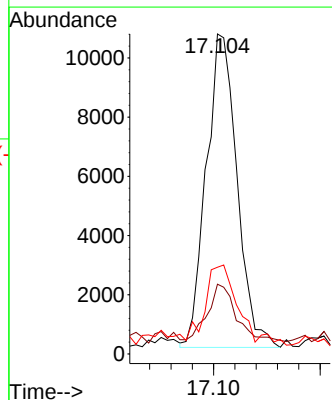
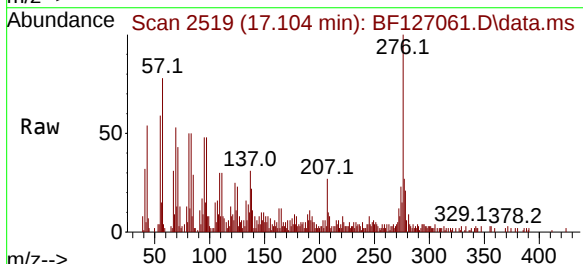
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

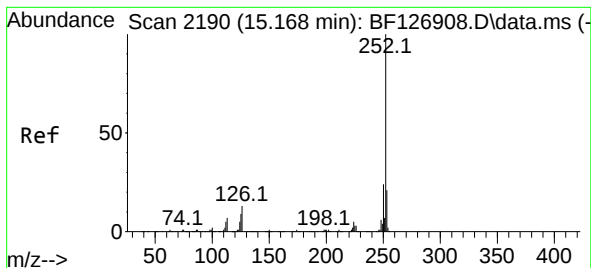
Tgt Ion:264 Resp: 110953
Ion Ratio Lower Upper
264 100
260 22.2 19.2 28.8
265 21.8 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.926 ng
RT: 17.104 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:276 Resp: 21291
Ion Ratio Lower Upper
276 100
138 17.0 29.2 43.8#
277 28.4 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 9.391 ng

RT: 15.139 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BF127061.D

Acq: 24 Feb 2022 17:05

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)

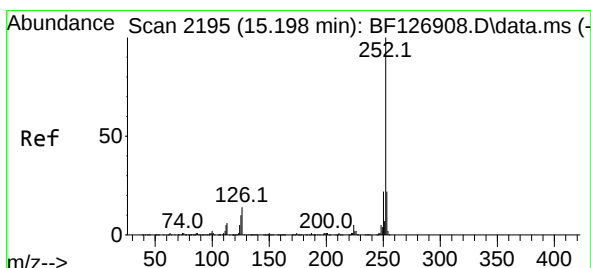
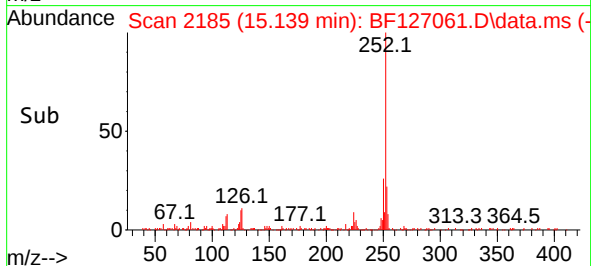
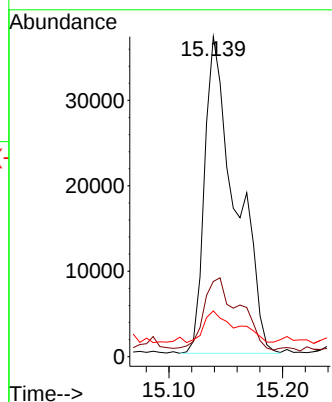
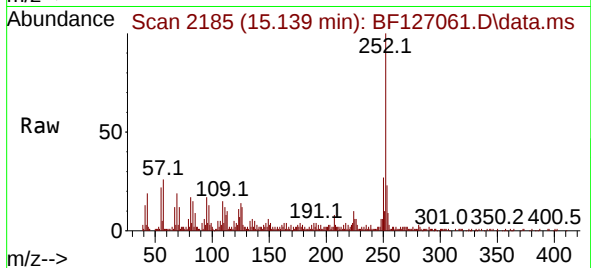
Tgt Ion:252 Resp: 69980

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 14.3 12.4 18.6



#89

Benzo(k)fluoranthene

Concen: 9.736 ng

RT: 15.139 min Scan# 2185

Delta R.T. -0.035 min

Lab File: BF127061.D

Acq: 24 Feb 2022 17:05

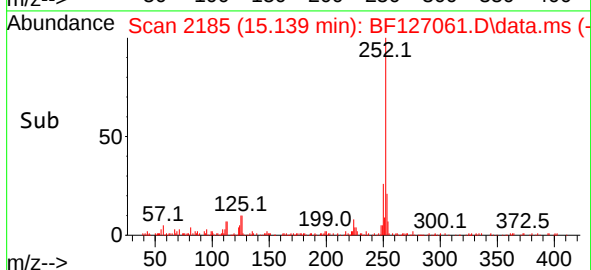
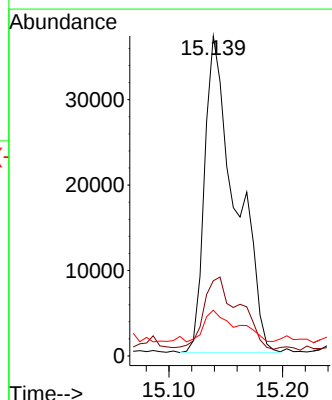
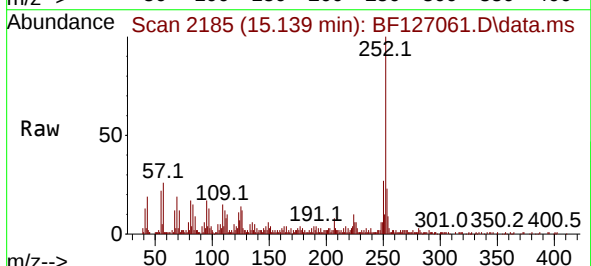
Tgt Ion:252 Resp: 69980

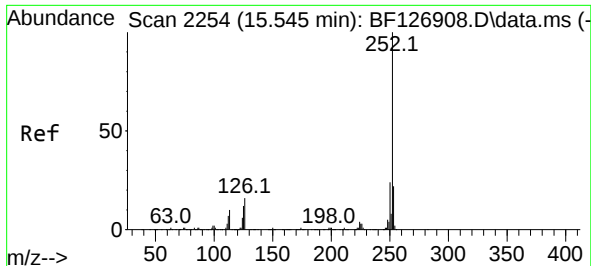
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 14.3 11.8 17.6

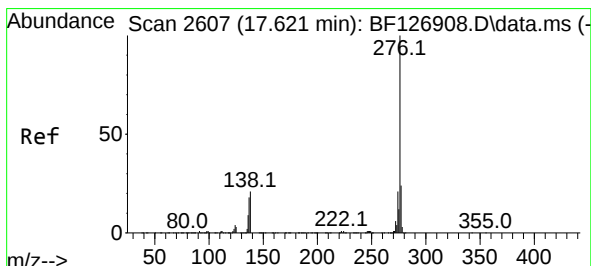
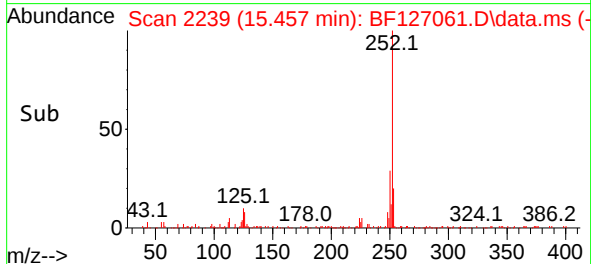
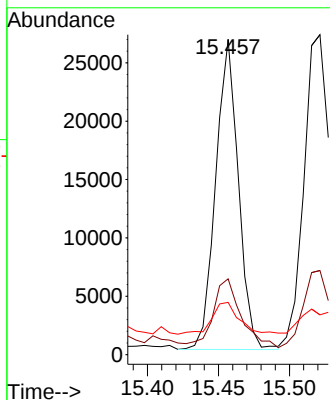
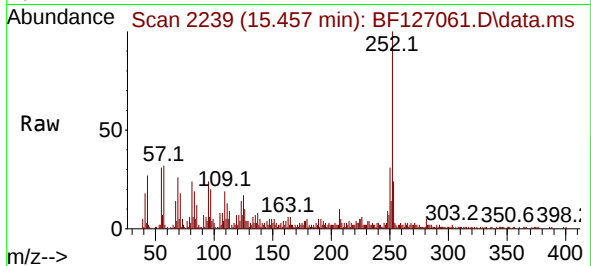




#90
Benzo(a)pyrene
Concen: 5.073 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.065 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion:252 Resp: 29526
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 16.6 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 3.510 ng
RT: 17.568 min Scan# 2598
Delta R.T. -0.012 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:276 Resp: 20824
Ion Ratio Lower Upper
276 100
277 28.4 18.5 27.7#
138 22.7 25.9 38.9#

