

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127064.D
 Acq On : 24 Feb 2022 18:30
 Operator : CG\JU
 Sample : N1650-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 25 01:46:24 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)

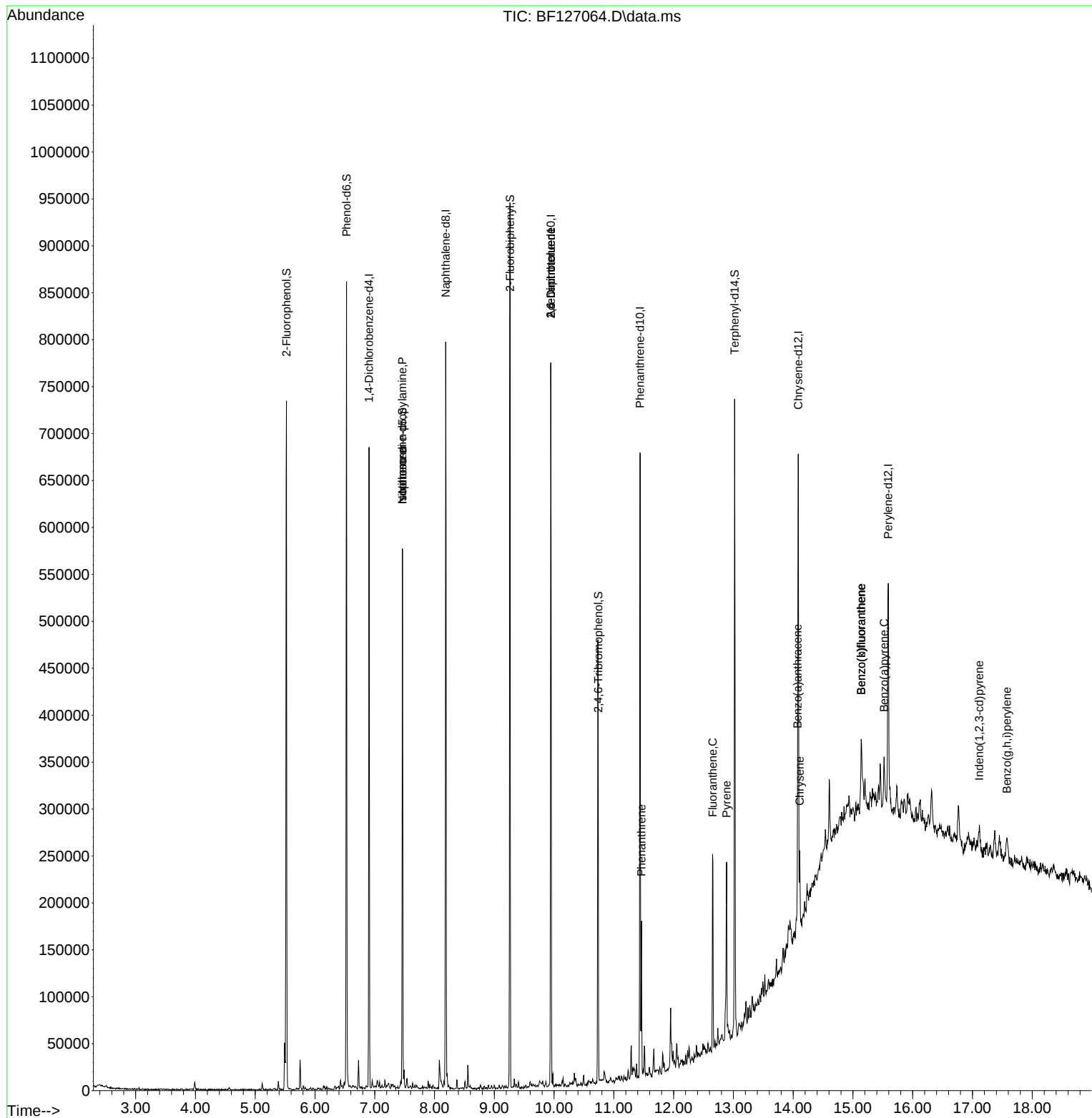
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	79276	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	301896	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	136756	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	203406	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	139928	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	98185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	162672	31.715	ng	0.00
7) Phenol-d6	6.528	99	212077	30.642	ng	-0.01
23) Nitrobenzene-d5	7.463	82	152163	22.750	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	46003	29.216	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	231950	24.969	ng	0.00
79) Terphenyl-d14	13.021	244	195593	20.548	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	22843	5.122	ng	# 83
25) Isophorone	7.463	82	152160	13.748	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	17590	8.845	ng	# 22
57) 2,4-Dinitrotoluene	9.945	165	17590	6.541	ng	# 16
71) Phenanthrene	11.463	178	49706	4.366	ng	98
75) Fluoranthene	12.657	202	78087	7.224	ng	89
78) Pyrene	12.886	202	68465	5.632	ng	99
81) Benzo(a)anthracene	14.074	228	33118	3.511	ng	93
83) Chrysene	14.110	228	28253	3.185	ng	94
87) Indeno(1,2,3-cd)pyrene	17.115	276	15383	2.389	ng	# 66
88) Benzo(b)fluoranthene	15.139	252	47662	7.228	ng	93
89) Benzo(k)fluoranthene	15.139	252	47662	7.493	ng	# 92
90) Benzo(a)pyrene	15.521	252	21199	4.116	ng	# 93
92) Benzo(g,h,i)perylene	17.574	276	15735	2.998	ng	# 89

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

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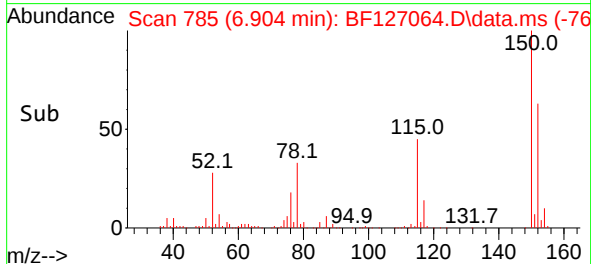
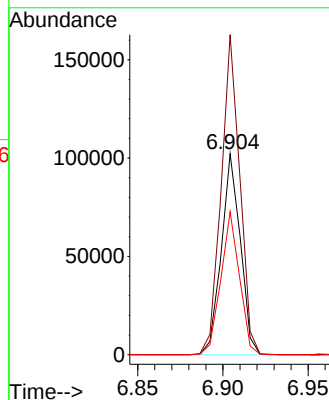
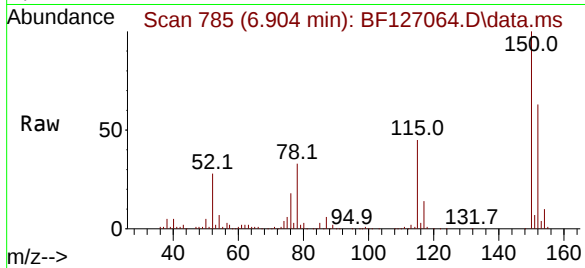




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

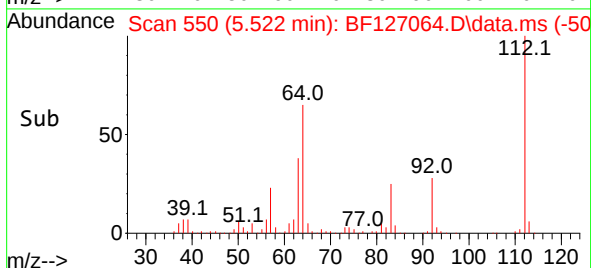
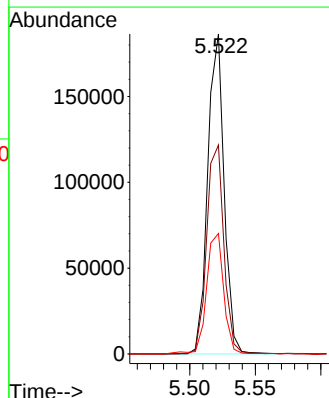
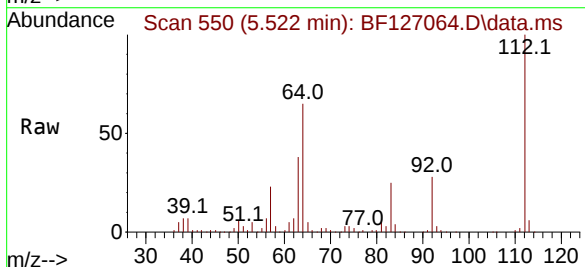
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:152 Resp: 79276
Ion Ratio Lower Upper
152 100
150 159.2 128.1 192.1
115 71.1 56.7 85.1



#5
2-Fluorophenol
Concen: 31.715 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:112 Resp: 162672
Ion Ratio Lower Upper
112 100
64 65.3 49.5 74.3
63 37.6 23.9 35.9#





#7

Phenol-d6

Concen: 30.642 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Instrument :

BNA_F

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

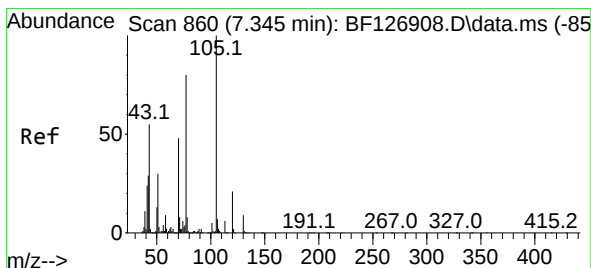
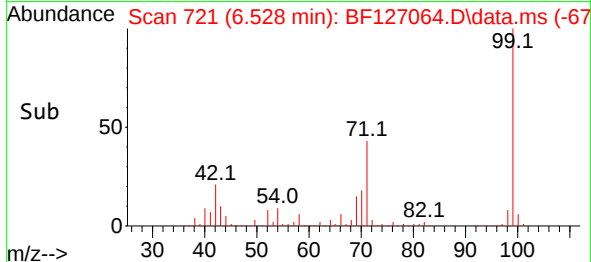
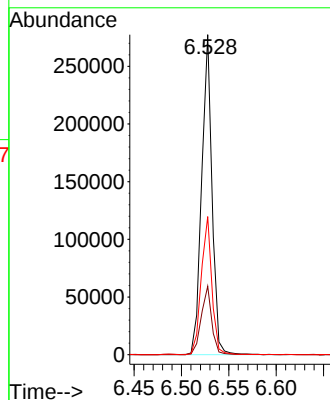
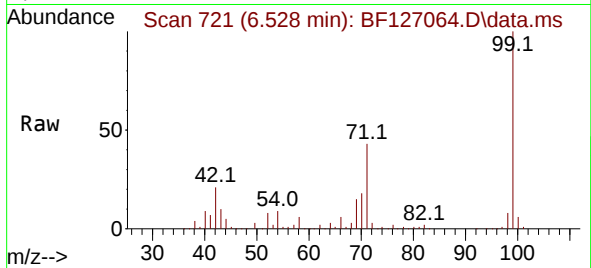
Tgt Ion: 99 Resp: 212077

Ion Ratio Lower Upper

99 100

42 21.4 14.2 21.4#

71 43.2 24.3 36.5#



#19

n-Nitroso-di-n-propylamine

Concen: 5.122 ng

RT: 7.463 min Scan# 880

Delta R.T. 0.141 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Tgt Ion: 70 Resp: 22843

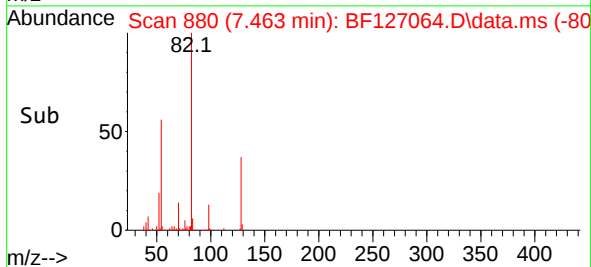
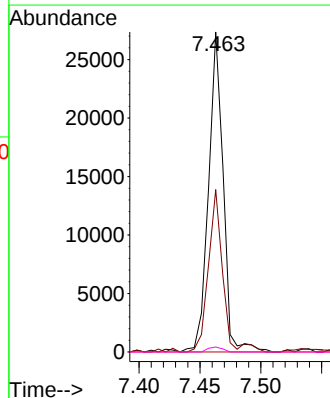
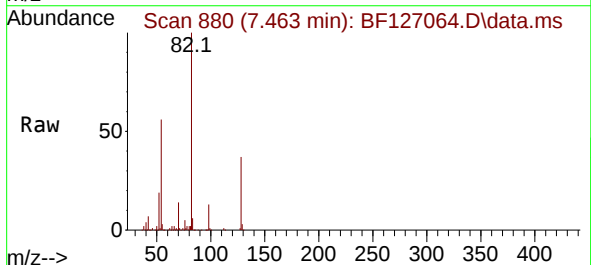
Ion Ratio Lower Upper

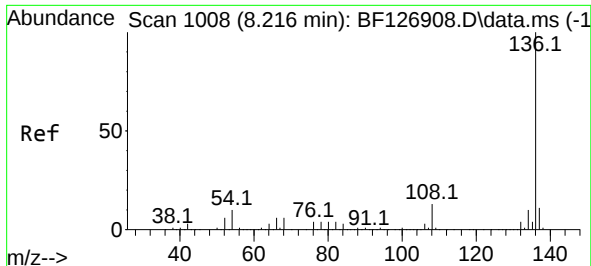
70 100

42 50.7 45.8 68.8

101 0.0 6.9 10.3#

130 1.5 14.4 21.6#

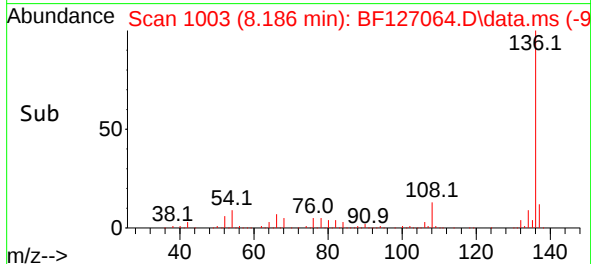
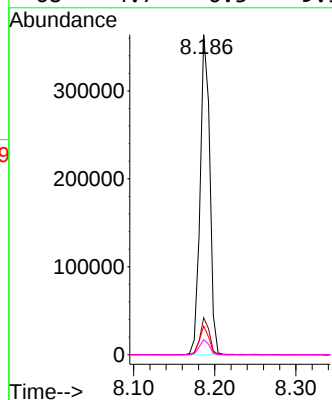
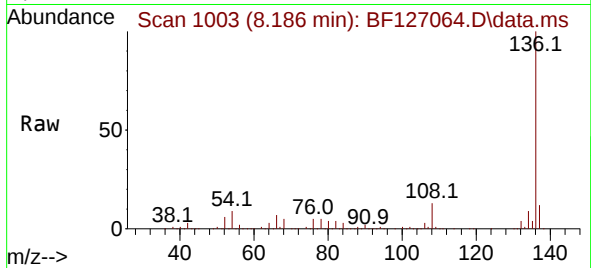




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

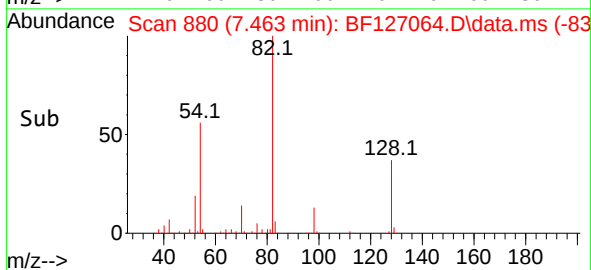
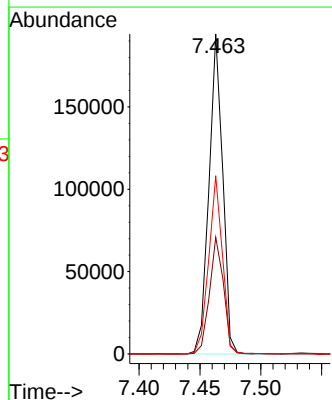
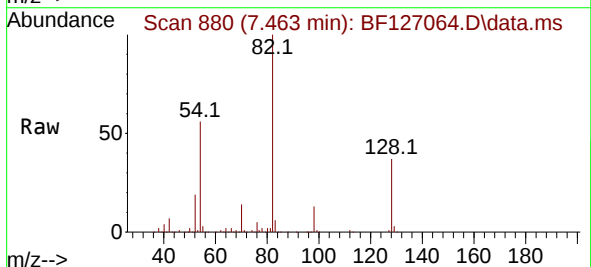
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:136 Resp: 301896
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.9 7.8 11.6
68 4.7 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 22.750 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion: 82 Resp: 152163
Ion Ratio Lower Upper
82 100
128 36.5 32.7 49.1
54 55.7 41.7 62.5

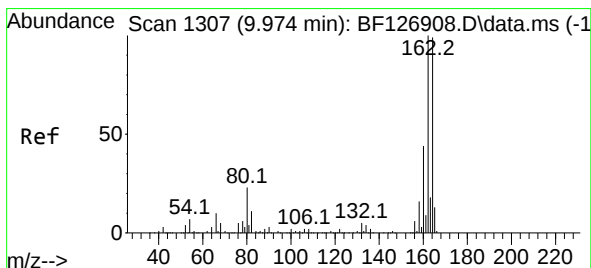
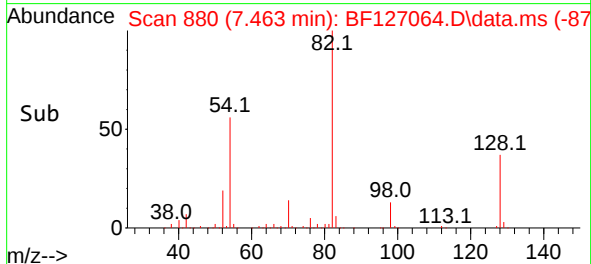
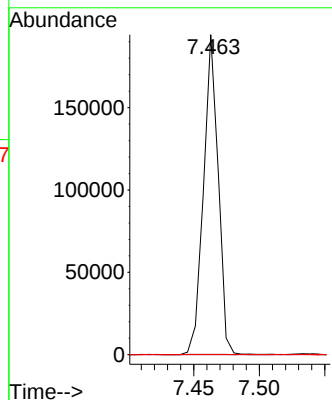
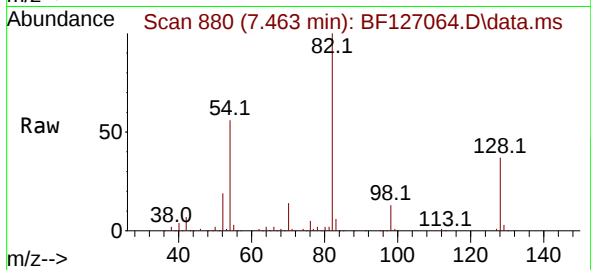




#25
Isophorone
Concen: 13.748 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

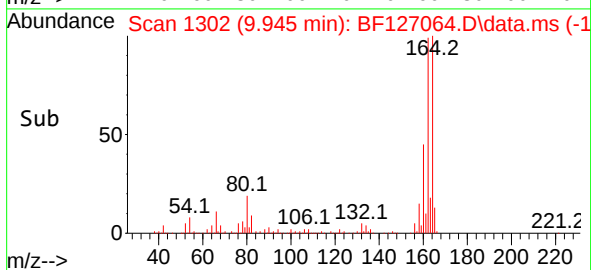
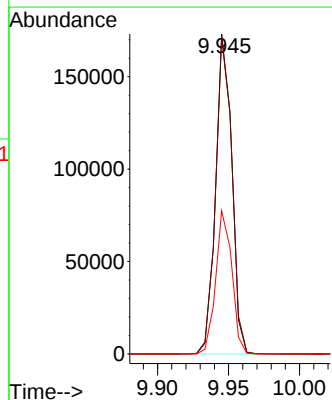
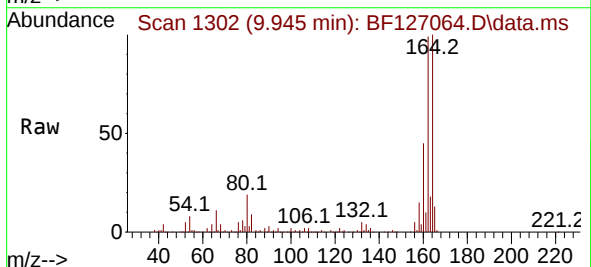
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

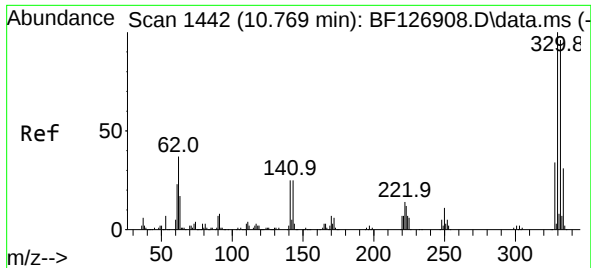
Tgt Ion: 82 Resp: 152160
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:164 Resp: 136756
Ion Ratio Lower Upper
164 100
162 99.1 81.4 122.0
160 44.8 36.6 54.8

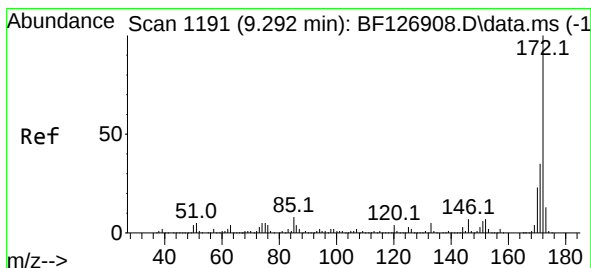
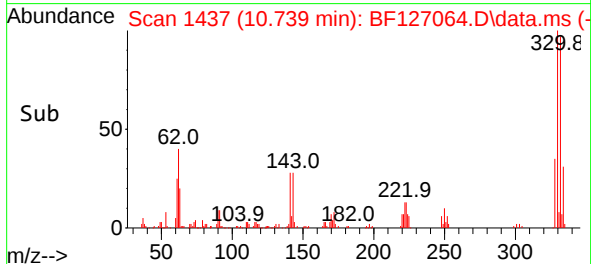
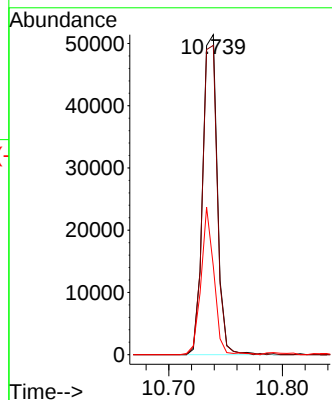
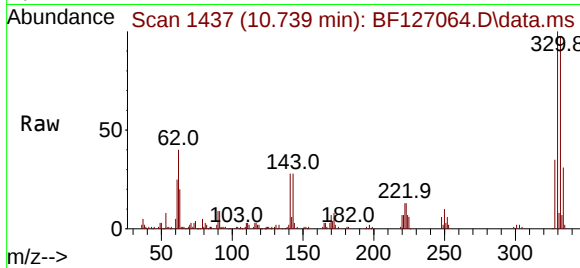




#42
2,4,6-Tribromophenol
Concen: 29.216 ng
RT: 10.739 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

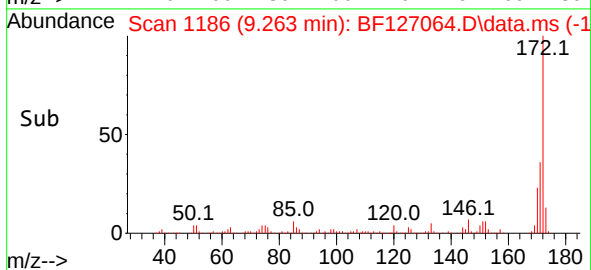
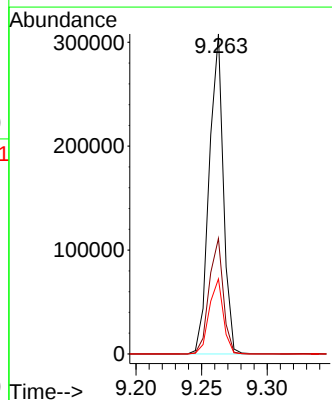
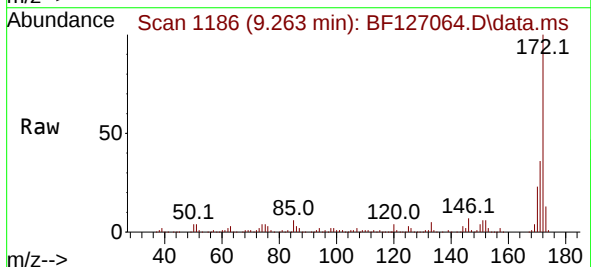
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

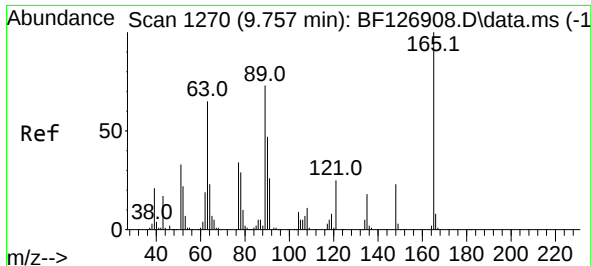
Tgt Ion: 330 Resp: 46003
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 40.8 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 24.969 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion: 172 Resp: 231950
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.4 19.0 28.6

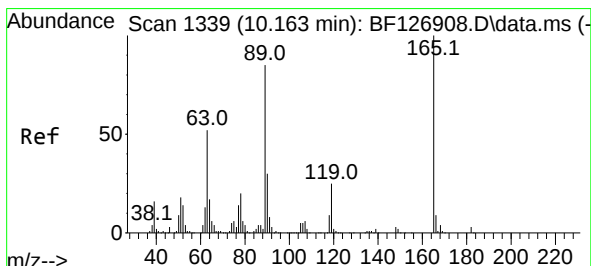
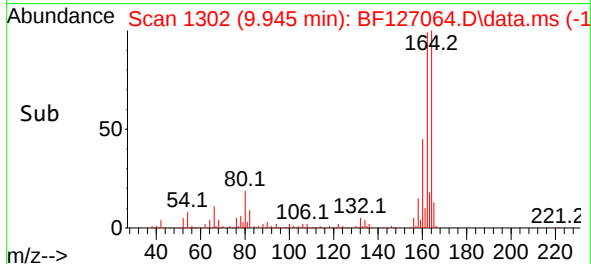
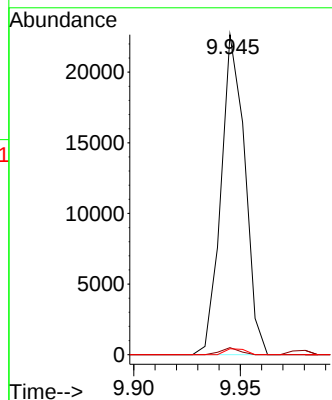
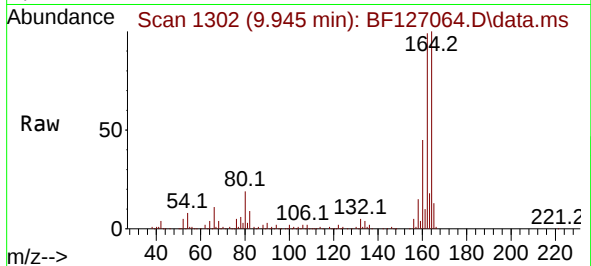




#51
2,6-Dinitrotoluene
Concen: 8.845 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

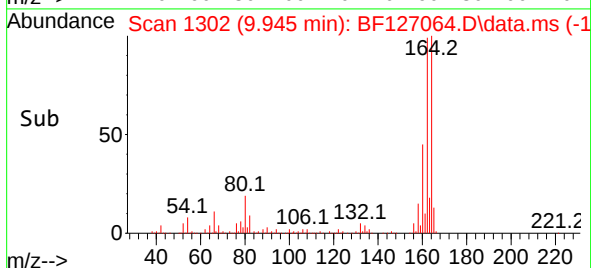
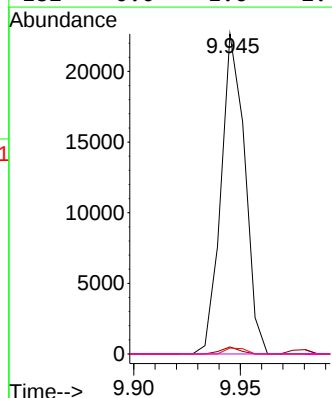
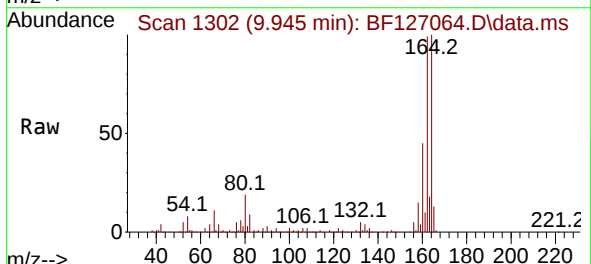
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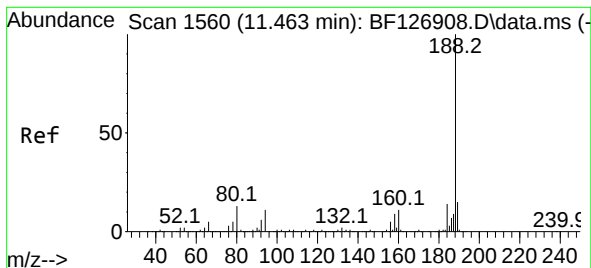
Tgt Ion:165 Resp: 17590
Ion Ratio Lower Upper
165 100
63 2.2 48.4 72.6#
89 1.9 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.541 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.194 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:165 Resp: 17590
Ion Ratio Lower Upper
165 100
63 2.2 43.0 64.6#
89 1.9 71.0 106.4#
182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Instrument :

BNA_F

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

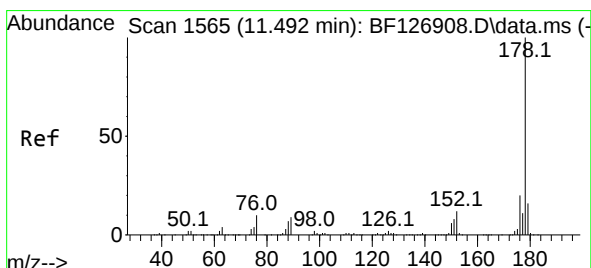
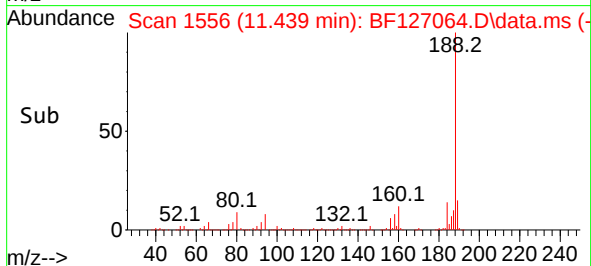
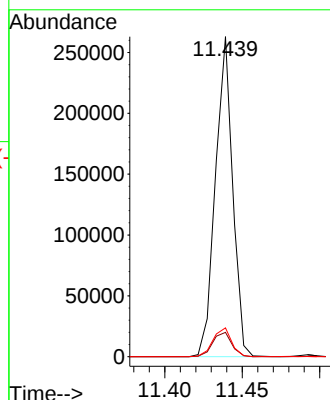
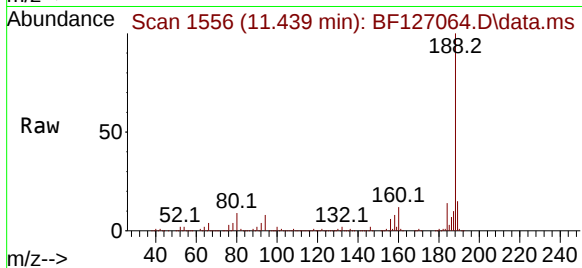
Tgt Ion:188 Resp: 203406

Ion Ratio Lower Upper

188 100

94 7.6 10.1 15.1#

80 9.0 11.8 17.6#



#71

Phenanthrene

Concen: 4.366 ng

RT: 11.463 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

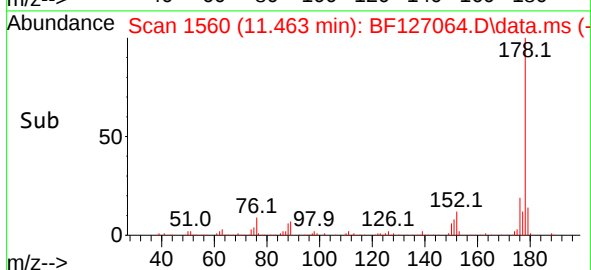
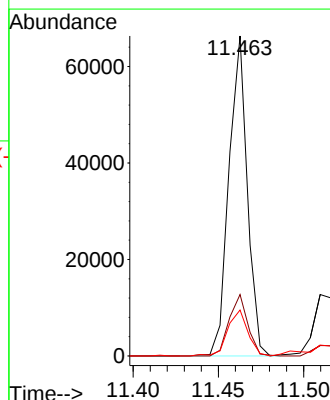
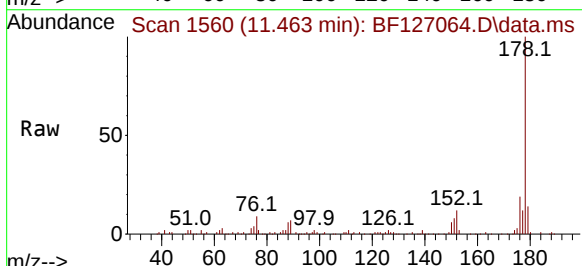
Tgt Ion:178 Resp: 49706

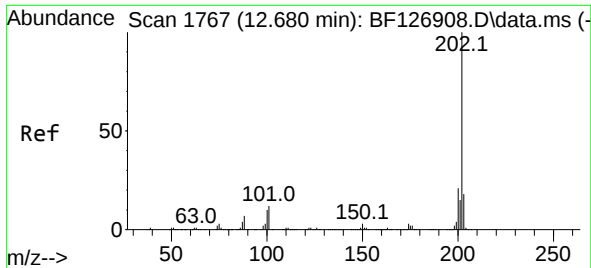
Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 14.3 12.3 18.5

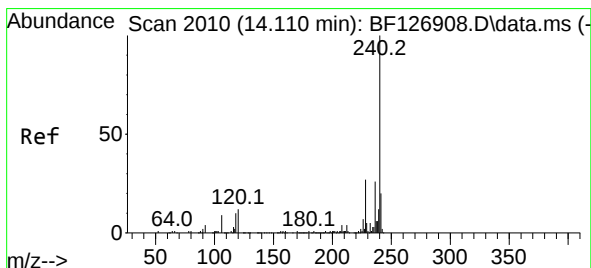
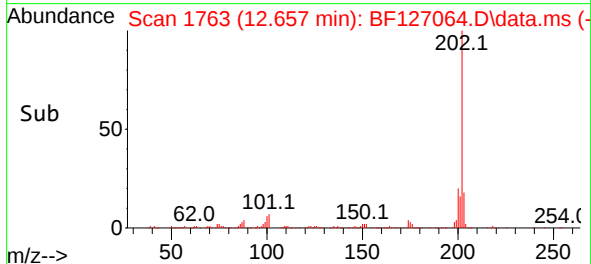
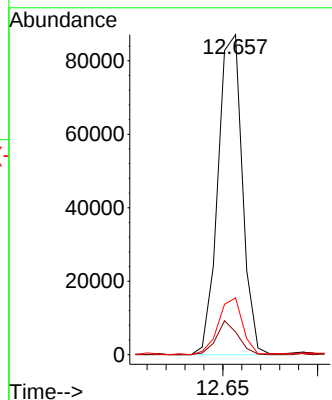
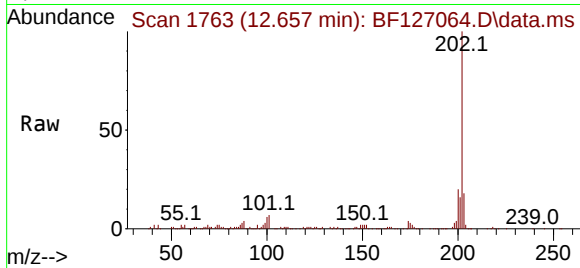




#75
Fluoranthene
Concen: 7.224 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

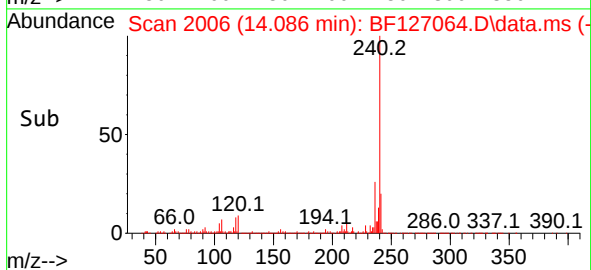
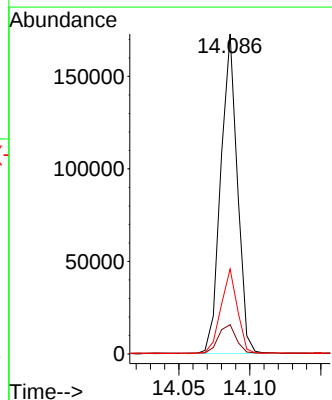
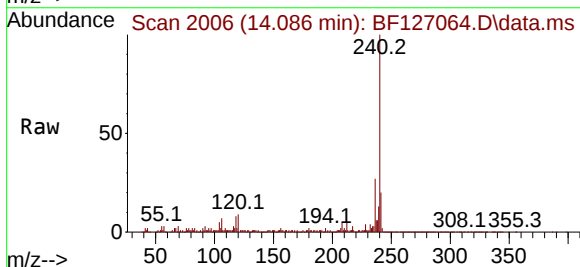
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

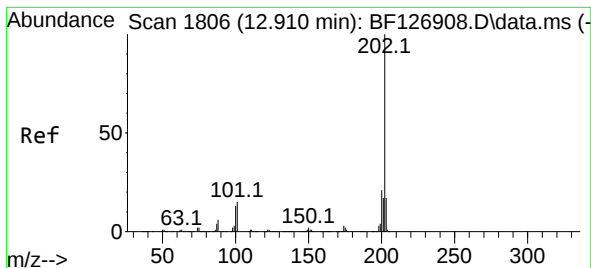
Tgt Ion:202 Resp: 78087
Ion Ratio Lower Upper
202 100
101 7.1 0.0 35.7
203 17.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:240 Resp: 139928
Ion Ratio Lower Upper
240 100
120 9.2 14.4 21.6#
236 26.6 20.5 30.7





#78

Pyrene

Concen: 5.632 ng

RT: 12.886 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

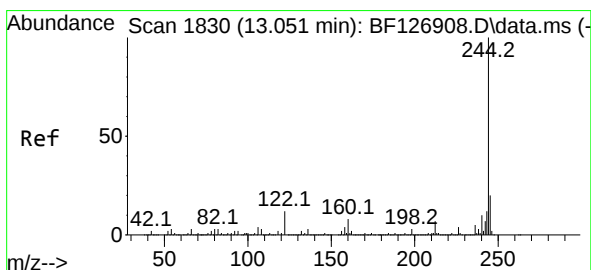
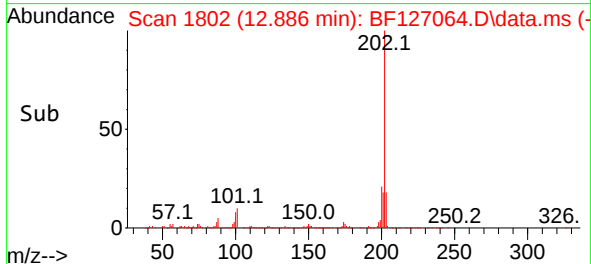
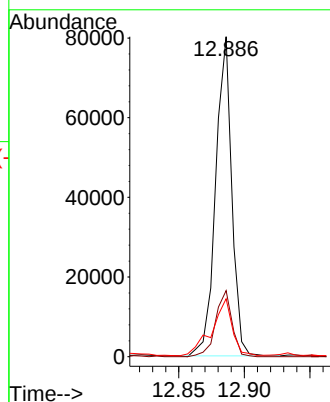
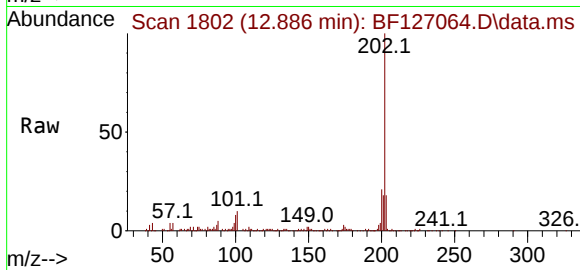
Instrument :

BNA_F

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:	202	Resp:	68465
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	24.8
203	18.1	13.8	20.8



#79

Terphenyl-d14

Concen: 20.548 ng

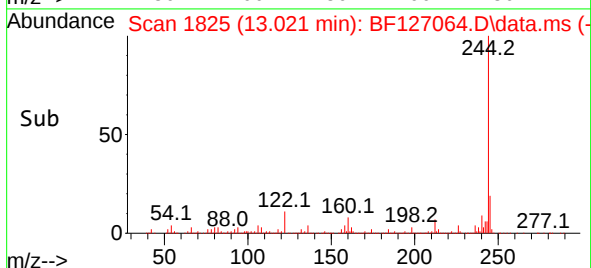
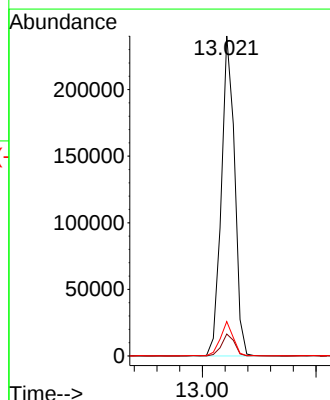
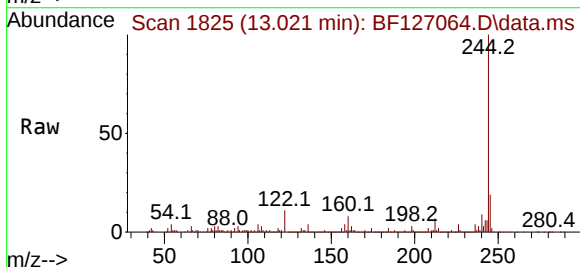
RT: 13.021 min Scan# 1825

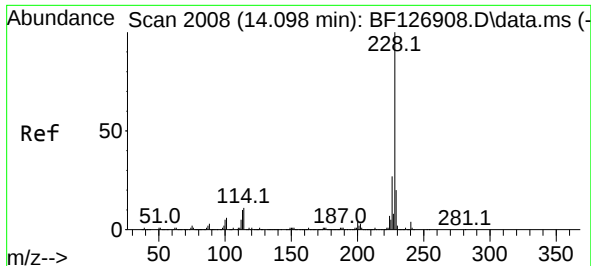
Delta R.T. -0.006 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Tgt Ion:	244	Resp:	195593
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.0	7.4
122	10.7	13.3	19.9

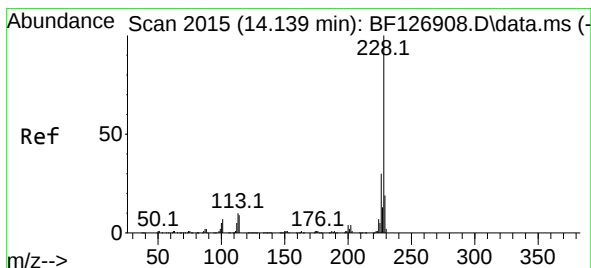
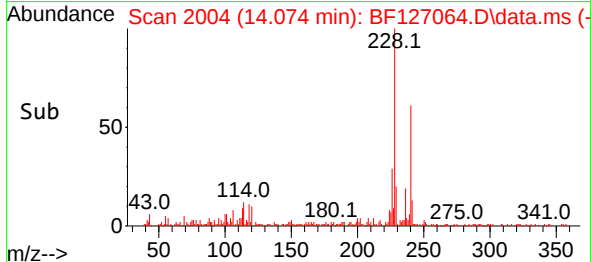
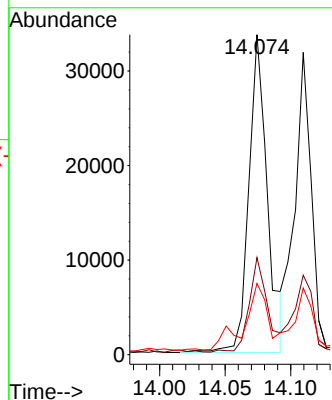
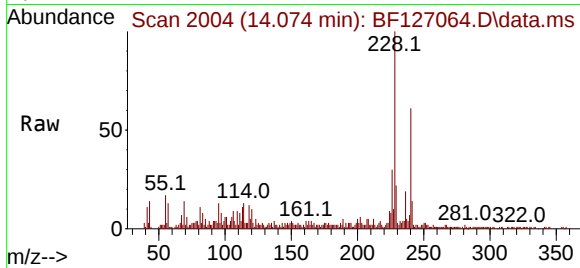




#81
Benzo(a)anthracene
Concen: 3.511 ng
RT: 14.074 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

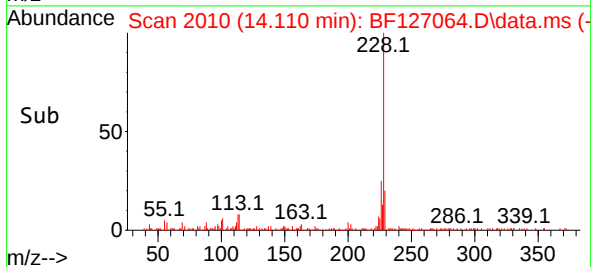
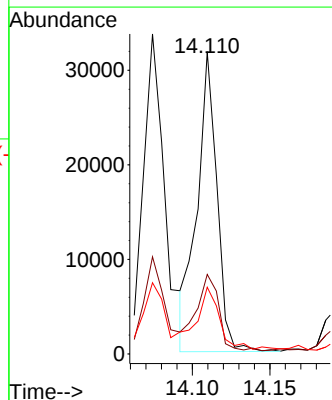
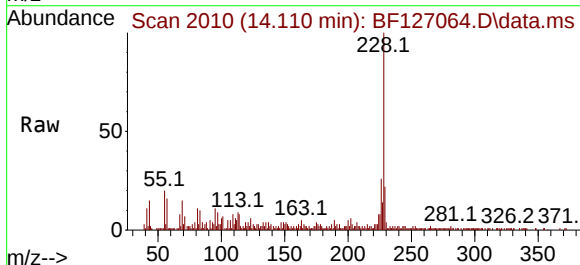
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

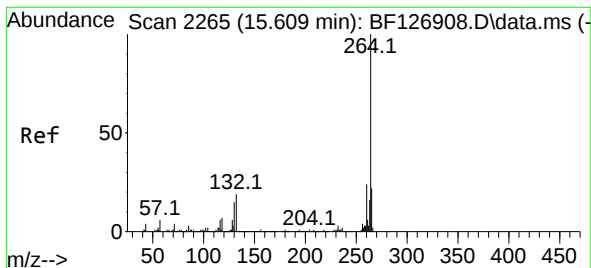
Tgt Ion:228 Resp: 33118
Ion Ratio Lower Upper
228 100
226 30.4 21.4 32.0
229 22.3 15.4 23.2



#83
Chrysene
Concen: 3.185 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:228 Resp: 28253
Ion Ratio Lower Upper
228 100
226 26.3 23.7 35.5
229 22.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Instrument :

BNA_F

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

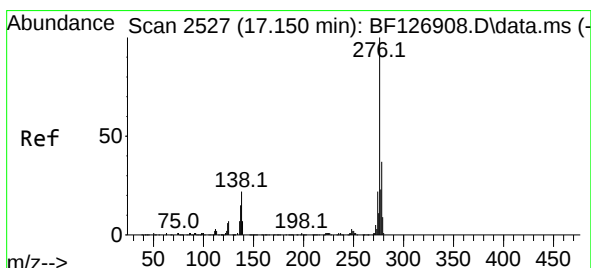
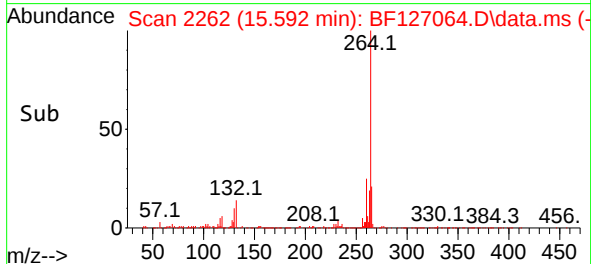
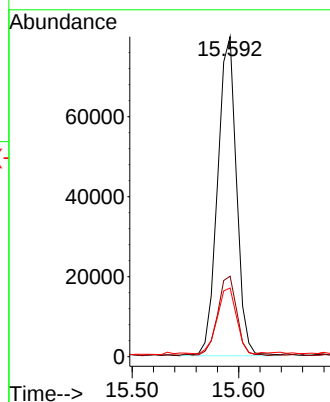
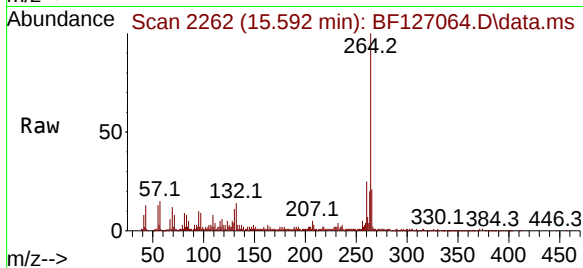
Tgt Ion:264 Resp: 98185

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

265 21.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.389 ng

RT: 17.115 min Scan# 2521

Delta R.T. 0.000 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

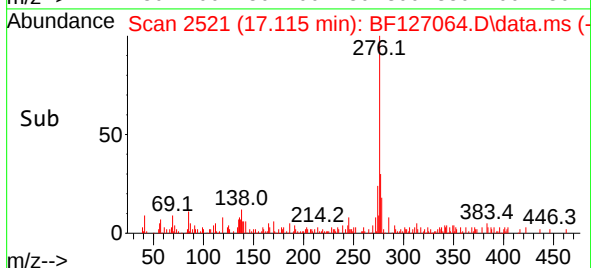
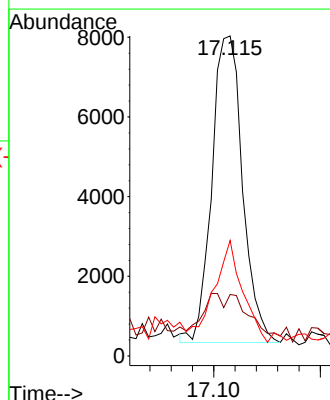
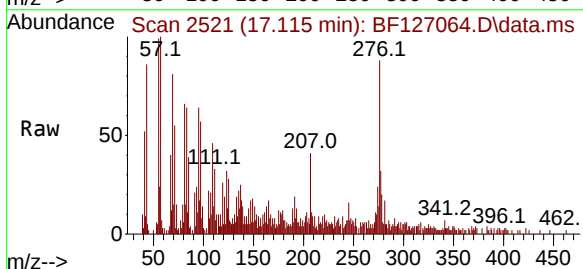
Tgt Ion:276 Resp: 15383

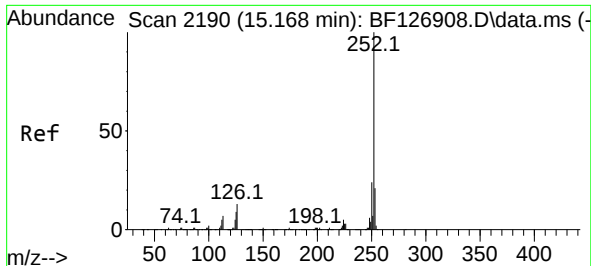
Ion Ratio Lower Upper

276 100

138 8.1 29.2 43.8#

277 31.1 19.8 29.8#

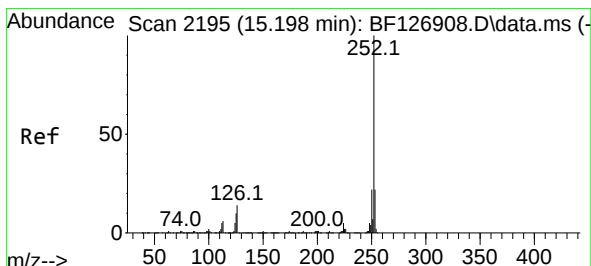
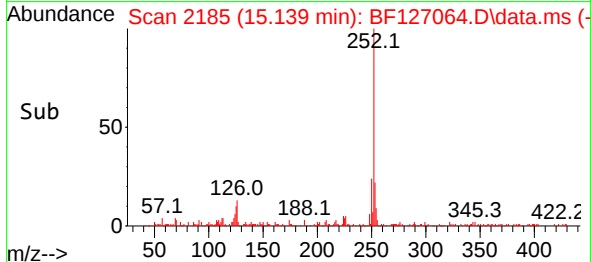
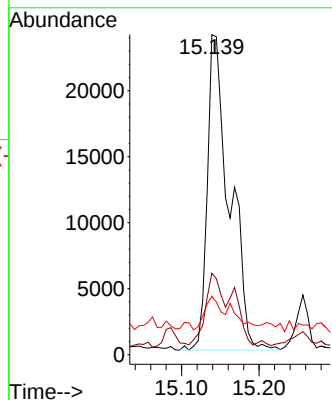
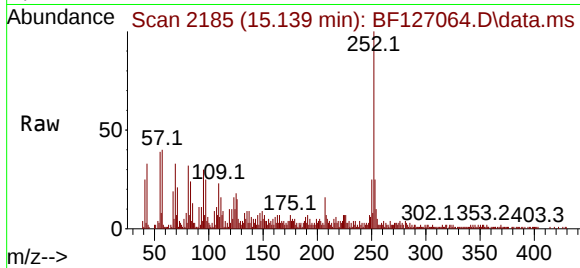




#88
Benzo(b)fluoranthene
Concen: 7.228 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

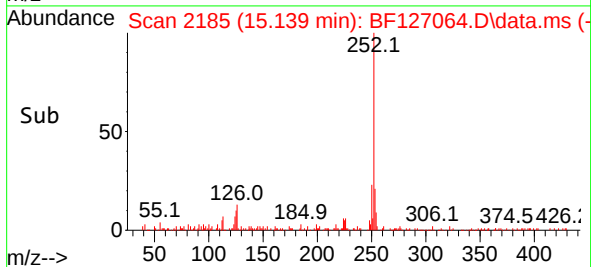
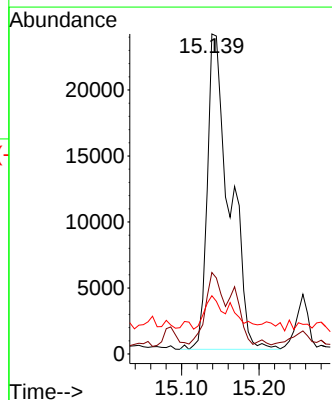
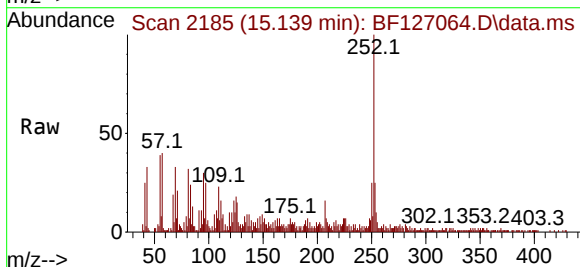
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

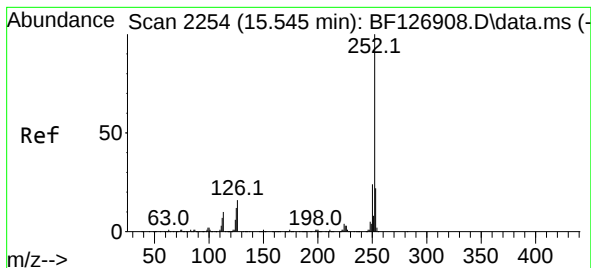
Tgt Ion:252 Resp: 47662
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 18.2 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 7.493 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.035 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:252 Resp: 47662
Ion Ratio Lower Upper
252 100
253 25.4 17.5 26.3
125 18.2 11.8 17.6#





#90

Benzo(a)pyrene

Concen: 4.116 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Instrument :

BNA_F

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

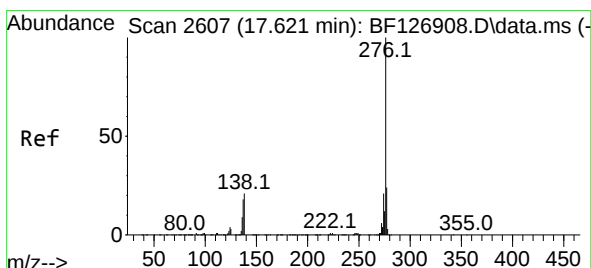
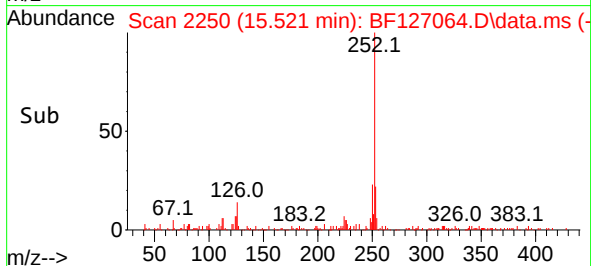
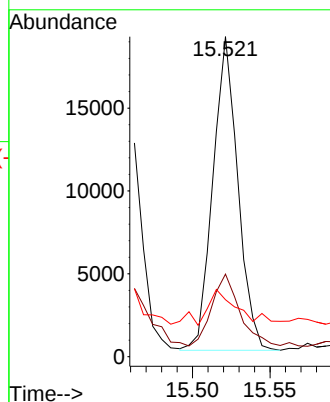
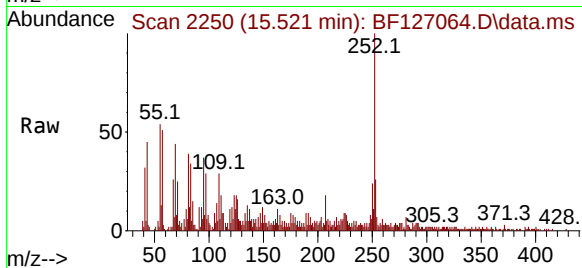
Tgt Ion:252 Resp: 21199

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 17.8 13.0 19.6



#92

Benzo(g,h,i)perylene

Concen: 2.998 ng

RT: 17.574 min Scan# 2599

Delta R.T. -0.006 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Tgt Ion:276 Resp: 15735

Ion Ratio Lower Upper

276 100

277 27.2 18.5 27.7

138 24.7 25.9 38.9#

