

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130745.D
 Acq On : 21 Oct 2022 15:13
 Operator : CG\JU
 Sample : N5211-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-SOILPILE-1020

Quant Time: Oct 21 18:17:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

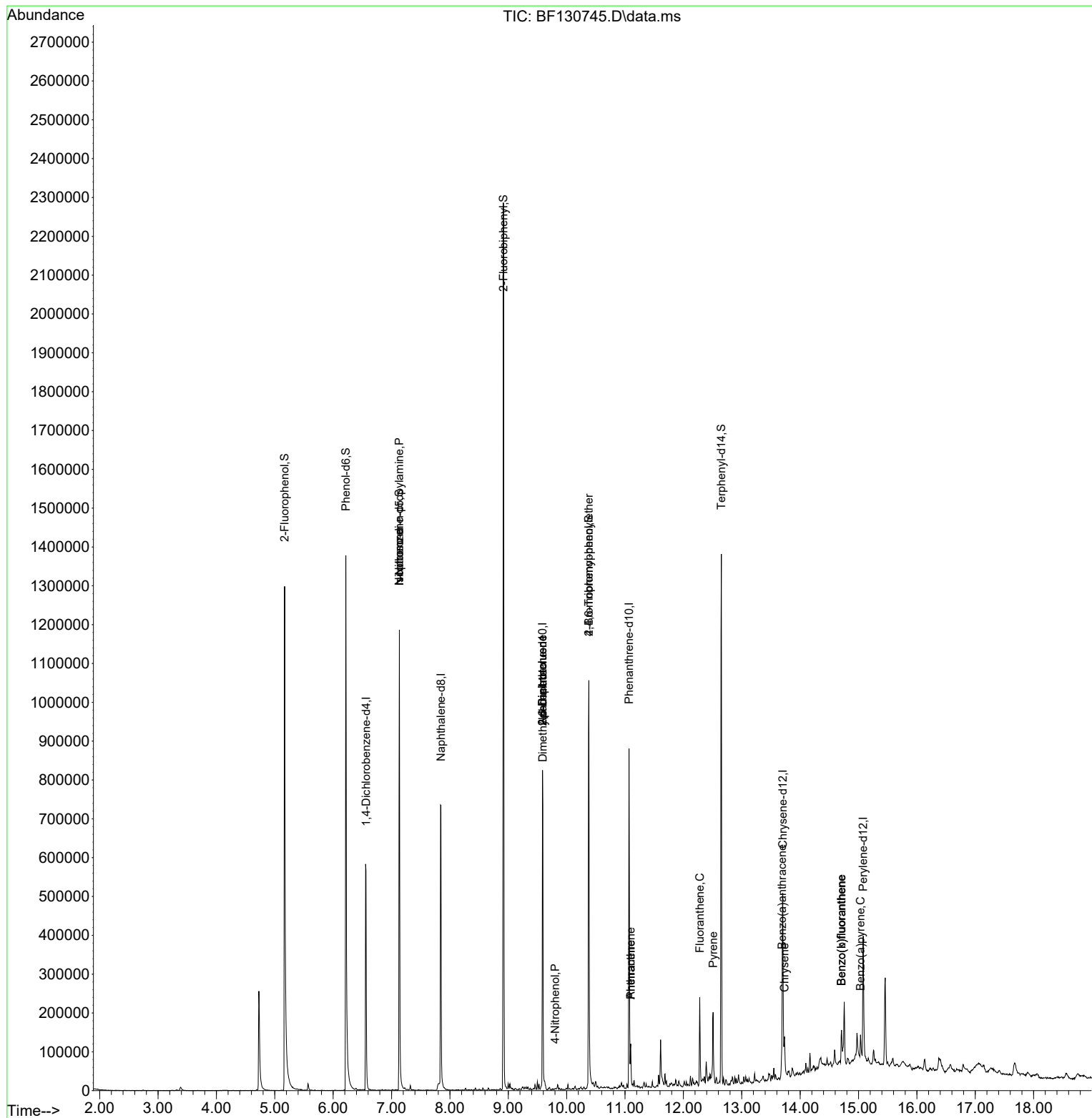
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	99913	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	348009	20.000	ng	0.00
39) Acenaphthene-d10	9.586	164	172797	20.000	ng	0.00
64) Phenanthrene-d10	11.069	188	290446	20.000	ng	0.00
76) Chrysene-d12	13.704	240	157675	20.000	ng	# 0.00
86) Perylene-d12	15.080	264	144263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	474143	81.833	ng	0.00
7) Phenol-d6	6.216	99	524035	74.752	ng	0.00
23) Nitrobenzene-d5	7.133	82	360765	54.992	ng	0.00
42) 2,4,6-Tribromophenol	10.380	330	138904	84.528	ng	0.00
45) 2-Fluorobiphenyl	8.916	172	699644	61.703	ng	-0.01
79) Terphenyl-d14	12.651	244	459045	49.061	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.133	70	47413	10.009	ng	# 77
25) Isophorone	7.133	82	360761	33.376	ng	# 65
50) Dimethylphthalate	9.592	163	32588	2.804	ng	# 1
51) 2,6-Dinitrotoluene	9.586	165	22675	8.712	ng	# 30
56) 4-Nitrophenol	9.804	139	541	5.612	ng	# 7
57) 2,4-Dinitrotoluene	9.586	165	22675	6.467	ng	# 28
67) 4-Bromophenyl-phenylether	10.380	248	7975	2.283	ng	# 1
71) Phenanthrene	11.098	178	42909	2.694	ng	98
72) Anthracene	11.098	178	42909	2.700	ng	97
75) Fluoranthene	12.280	202	77112	4.789	ng	100
77) Benzidine	12.651	184	6418	Below Cal		# 95
78) Pyrene	12.510	202	79249	5.988	ng	99
81) Benzo(a)anthracene	13.692	228	33037	3.136	ng	97
83) Chrysene	13.733	228	34881	3.417	ng	99
88) Benzo(b)fluoranthene	14.709	252	60806	6.330	ng	# 98
89) Benzo(k)fluoranthene	14.709	252	60806	6.301	ng	99
90) Benzo(a)pyrene	15.033	252	29084	3.770	ng	100

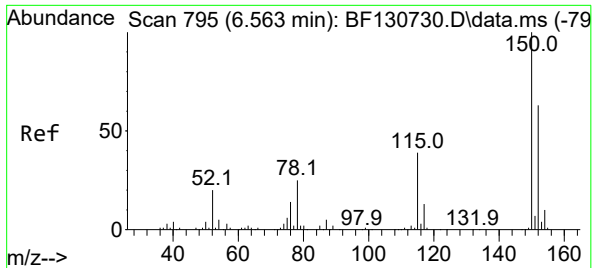
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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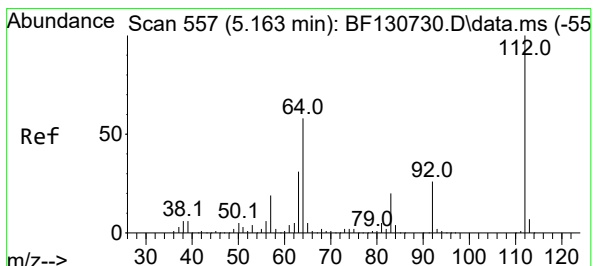
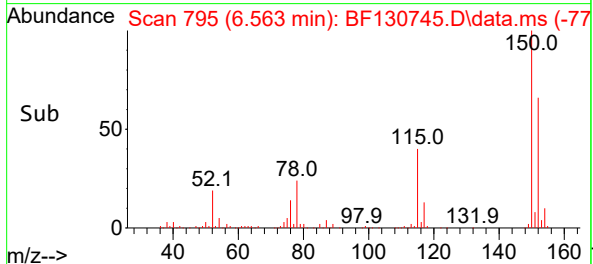
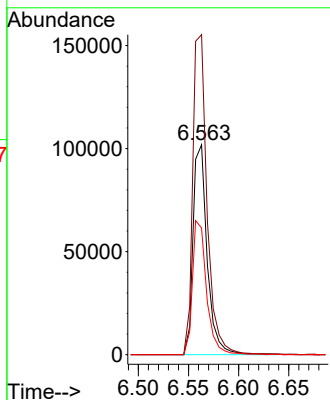
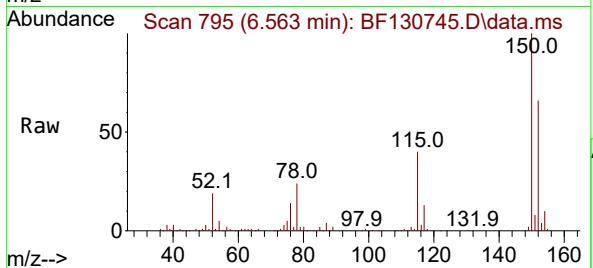




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.563 min Scan# 795
 Delta R.T. -0.000 min
 Lab File: BF130745.D
 Acq: 21 Oct 2022 15:13

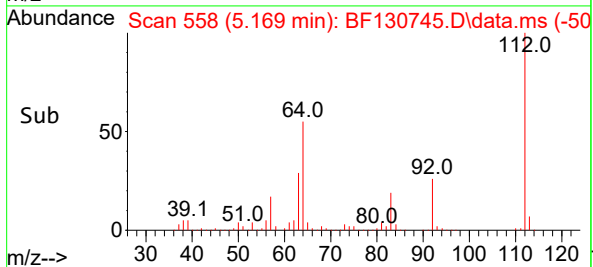
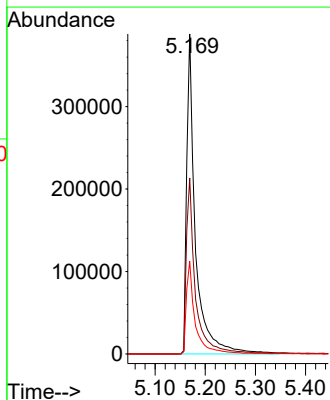
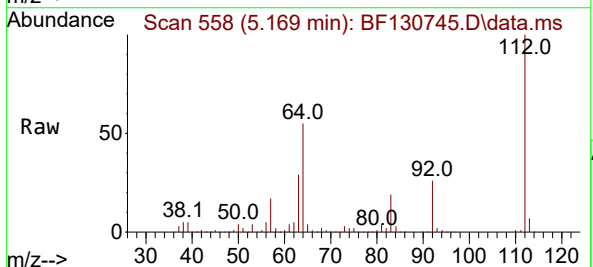
Instrument :
 BNA_F
 ClientSampleId :
 SB-SOILPILE-1020

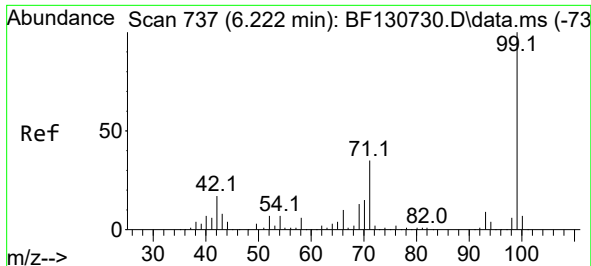
Tgt Ion:152 Resp: 99913
 Ion Ratio Lower Upper
 152 100
 150 152.4 127.0 190.6
 115 60.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 81.833 ng
 RT: 5.169 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: BF130745.D
 Acq: 21 Oct 2022 15:13

Tgt Ion:112 Resp: 474143
 Ion Ratio Lower Upper
 112 100
 64 55.0 46.2 69.4
 63 29.0 25.1 37.7

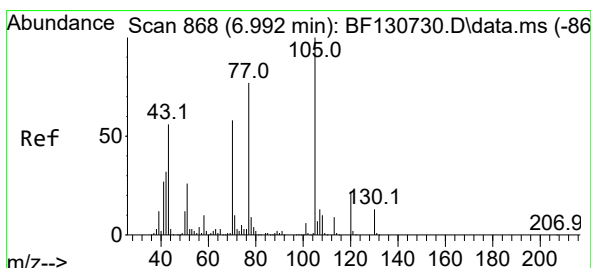
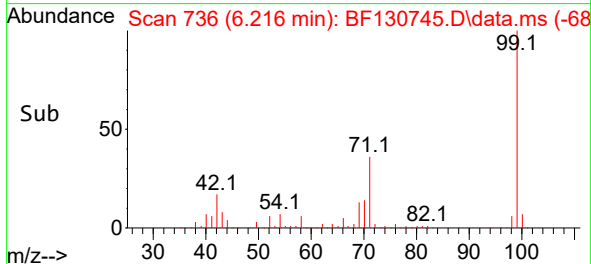
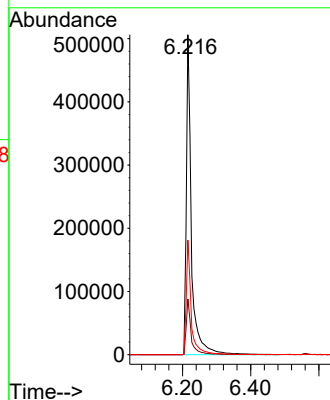
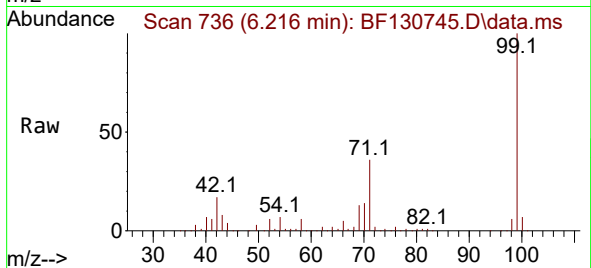




#7
Phenol-d6
Concen: 74.752 ng
RT: 6.216 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

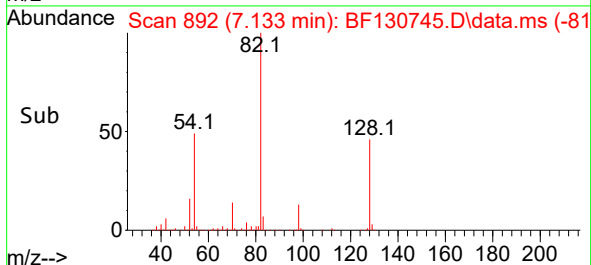
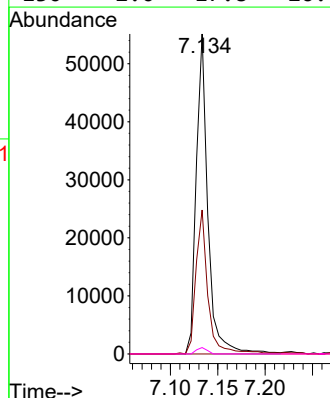
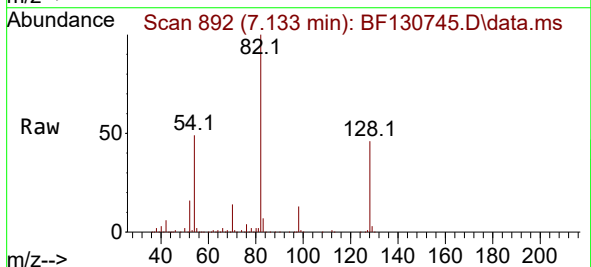
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

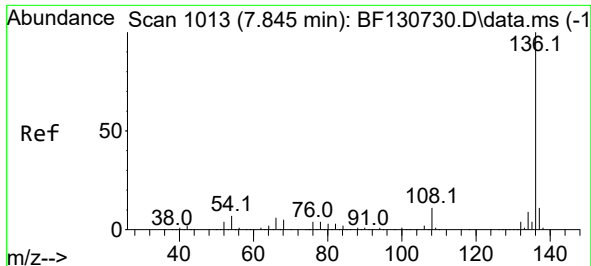
Tgt Ion: 99 Resp: 524035
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 35.8 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.009 ng
RT: 7.133 min Scan# 892
Delta R.T. 0.141 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

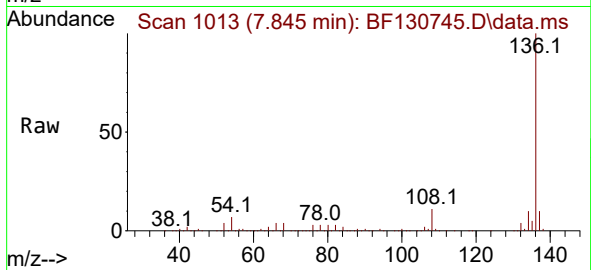
Tgt Ion: 70 Resp: 47413
Ion Ratio Lower Upper
70 100
42 45.0 44.1 66.1
101 0.0 8.3 12.5#
130 2.0 17.8 26.6#



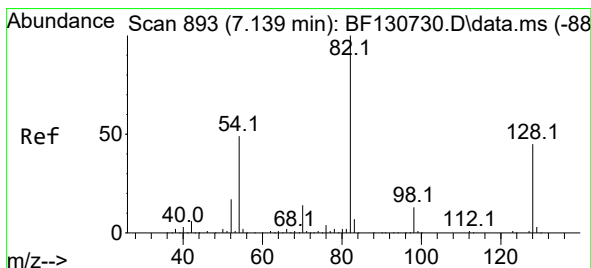
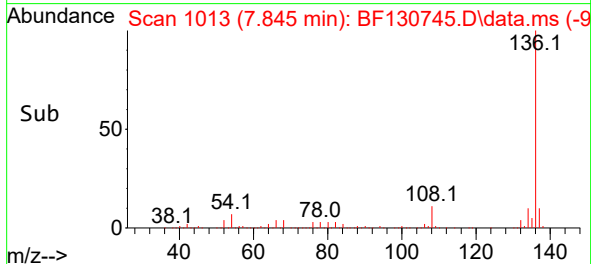
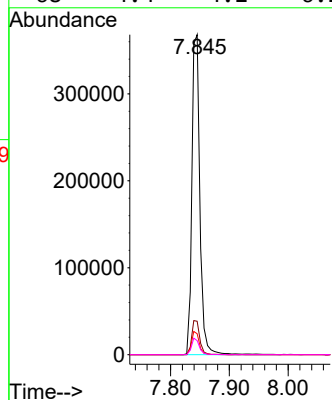


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

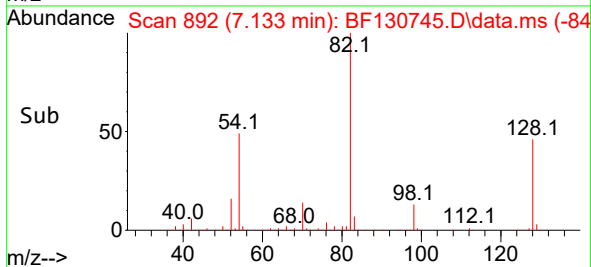
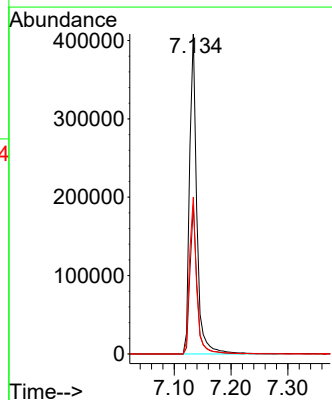
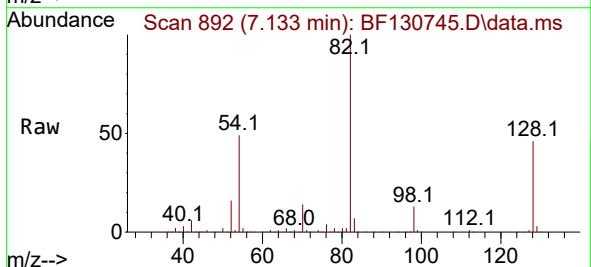


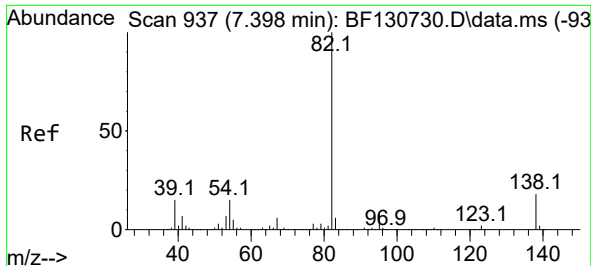
Tgt Ion:136 Resp: 348009
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.5 5.8 8.8
68 4.4 4.2 6.2



#23
Nitrobenzene-d5
Concen: 54.992 ng
RT: 7.133 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion: 82 Resp: 360765
Ion Ratio Lower Upper
82 100
128 46.5 35.9 53.9
54 49.1 39.2 58.8

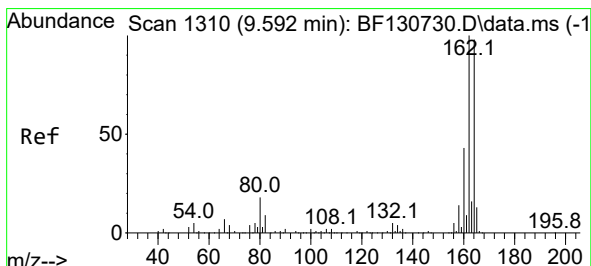
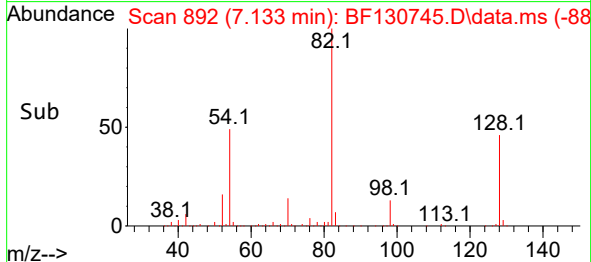
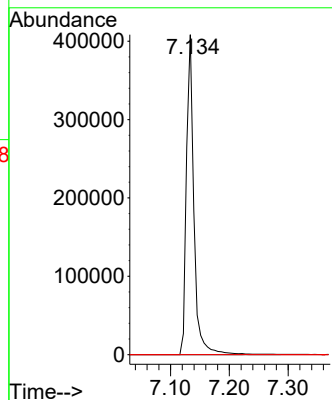
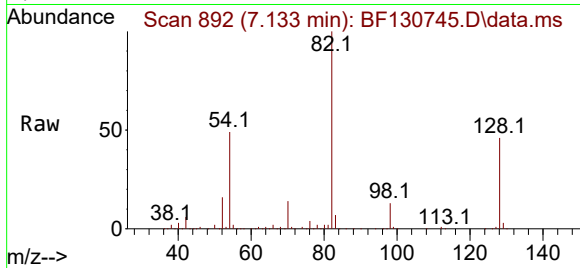




#25
Isophorone
Concen: 33.376 ng
RT: 7.133 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

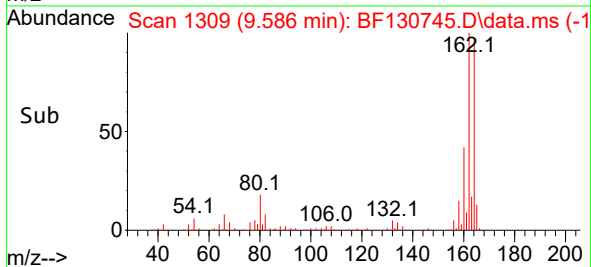
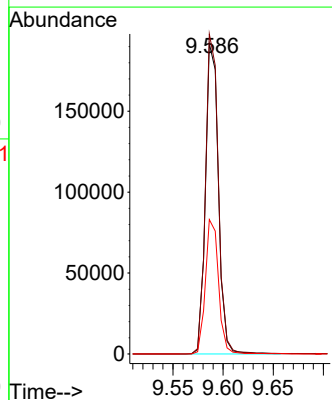
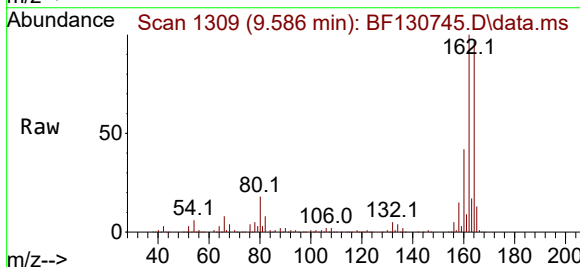
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ClientSampleId :
SB-SOILPILE-1020

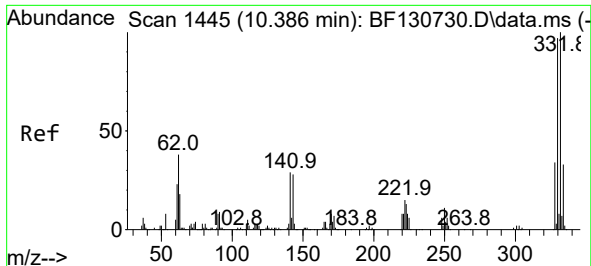
Tgt Ion: 82 Resp: 360761
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.586 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:164 Resp: 172797
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 43.3 35.0 52.4

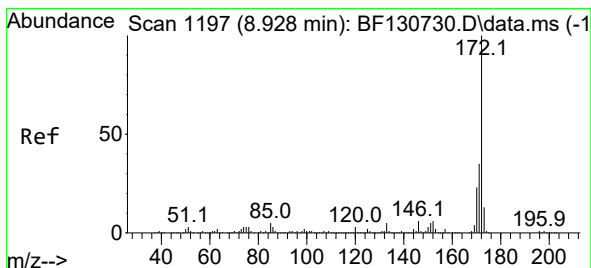
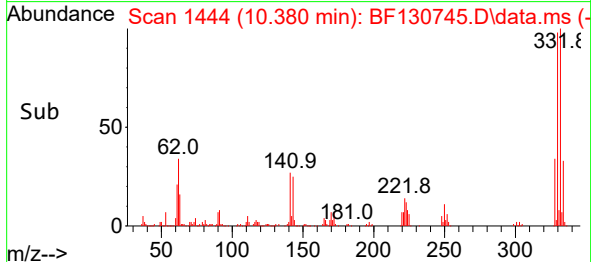
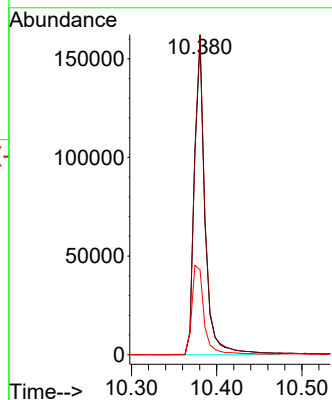
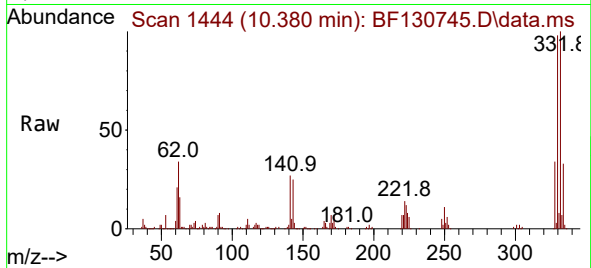




#42
2,4,6-Tribromophenol
Concen: 84.528 ng
RT: 10.380 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

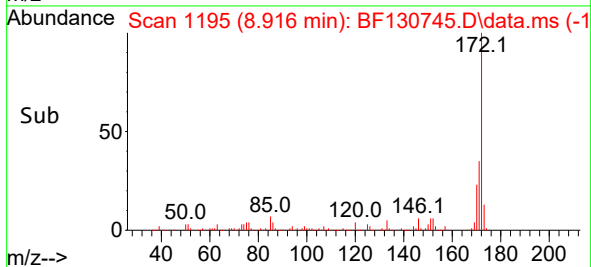
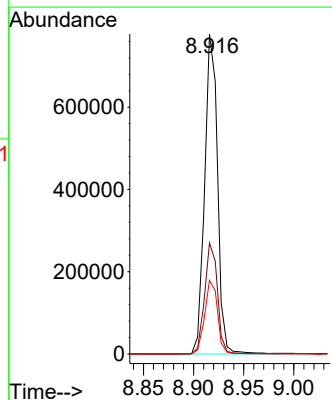
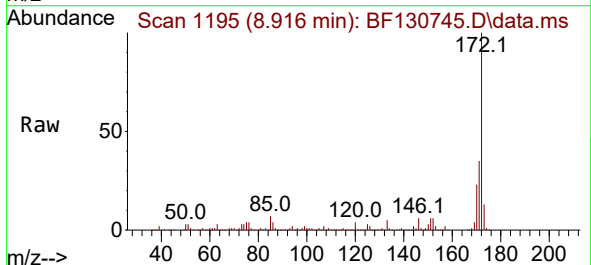
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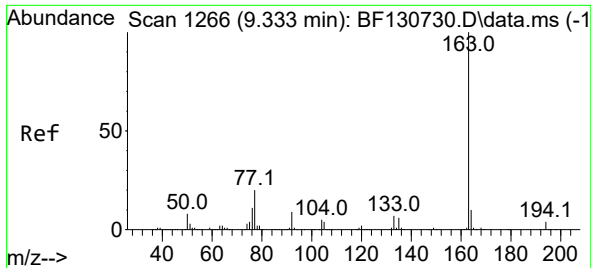
Tgt Ion:330 Resp: 138904
Ion Ratio Lower Upper
330 100
332 103.8 81.4 122.2
141 32.9 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 61.703 ng
RT: 8.916 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:172 Resp: 699644
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.0 18.5 27.7

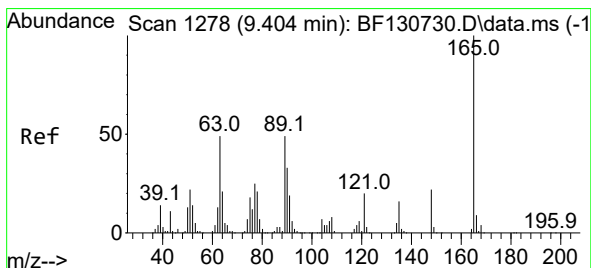
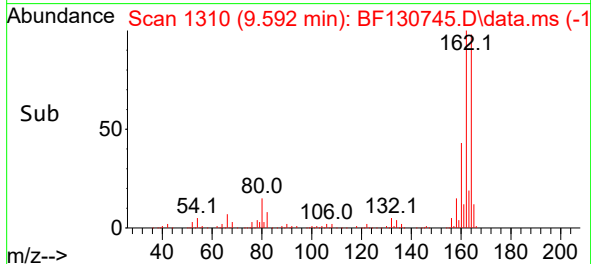
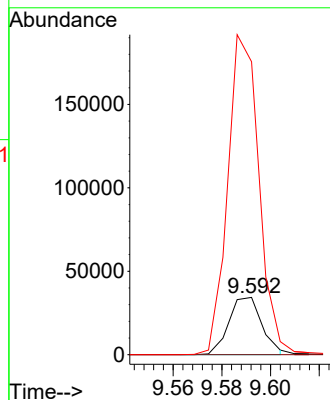
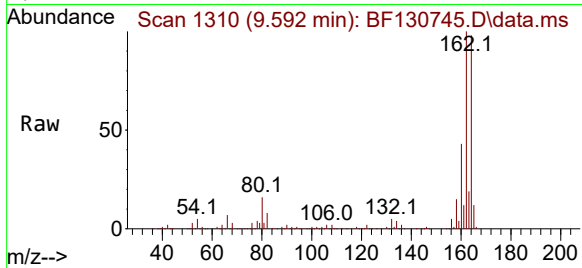




#50
Dimethylphthalate
Concen: 2.804 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

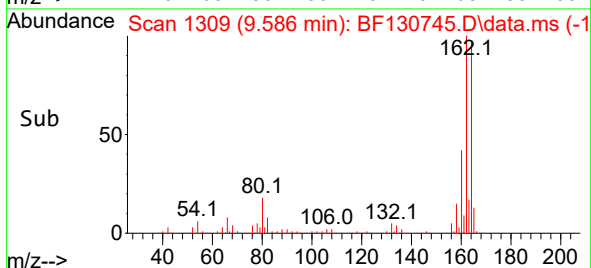
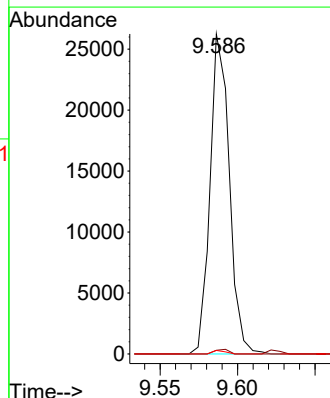
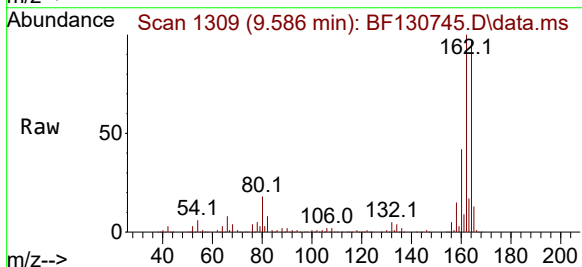
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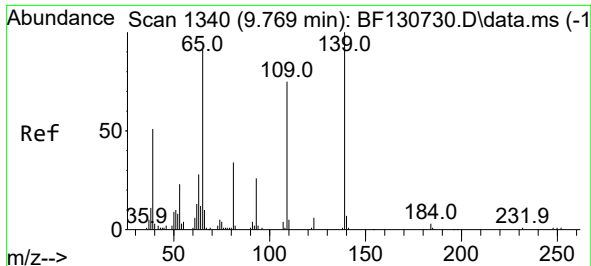
Tgt Ion:163 Resp: 32588
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 511.9 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.712 ng
RT: 9.586 min Scan# 1309
Delta R.T. 0.182 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:165 Resp: 22675
Ion Ratio Lower Upper
165 100
63 1.2 38.8 58.2#
89 1.1 39.4 59.2#

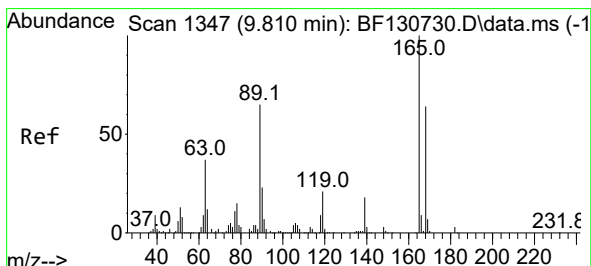
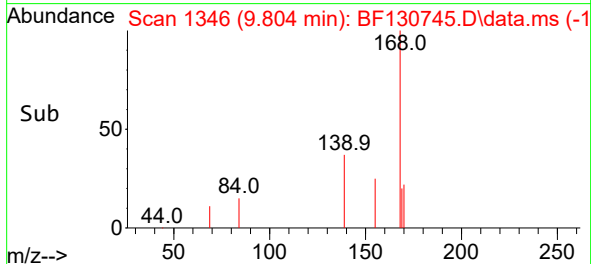
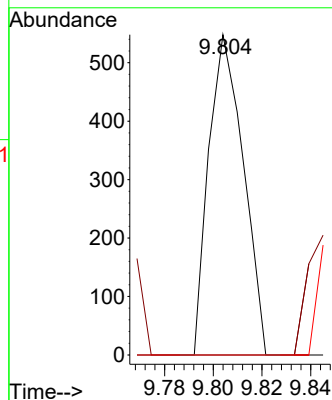
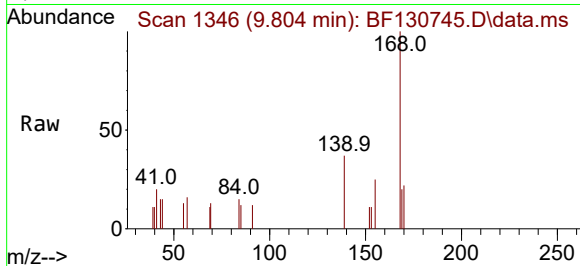




#56
4-Nitrophenol
Concen: 5.612 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

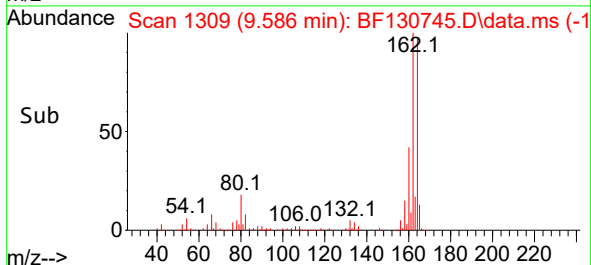
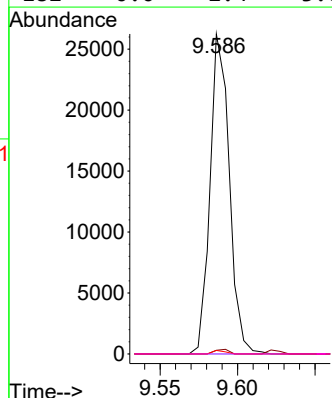
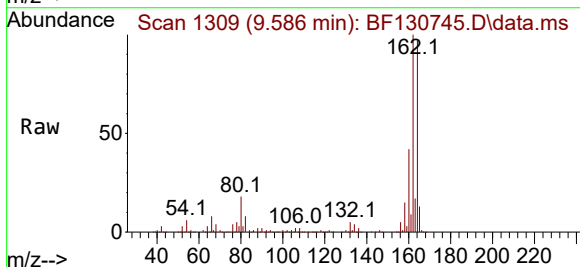
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

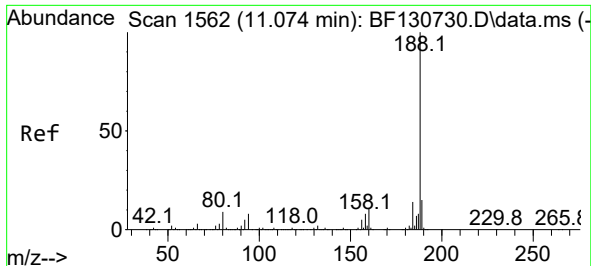
Tgt Ion:139 Resp: 541
Ion Ratio Lower Upper
139 100
109 0.0 55.1 95.1#
65 0.0 72.2 112.2#



#57
2,4-Dinitrotoluene
Concen: 6.467 ng
RT: 9.586 min Scan# 1309
Delta R.T. -0.224 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:165 Resp: 22675
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 1.1 51.9 77.9#
182 0.0 2.4 3.6#

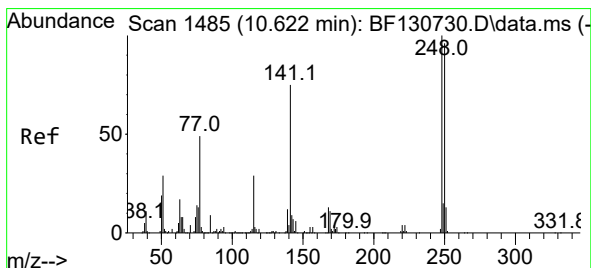
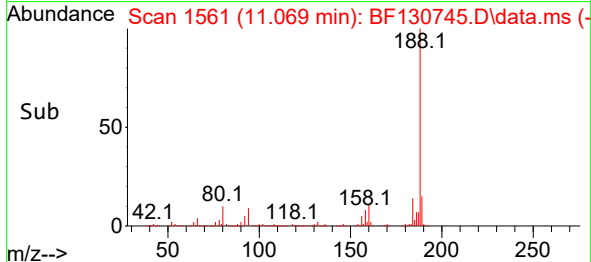
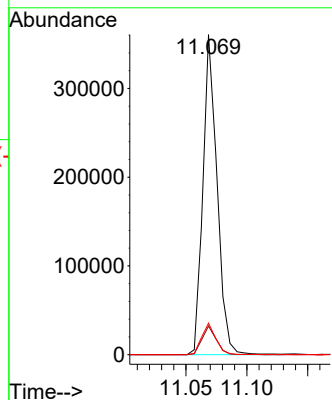
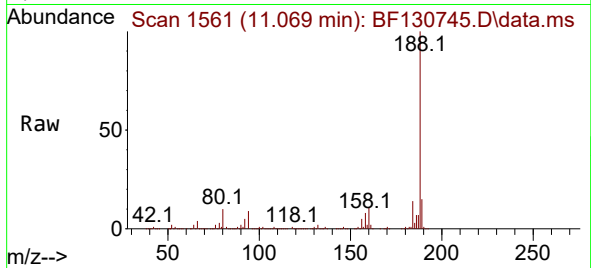




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

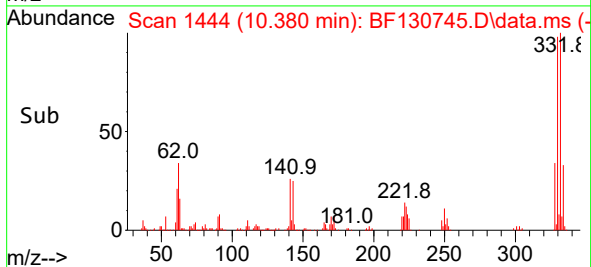
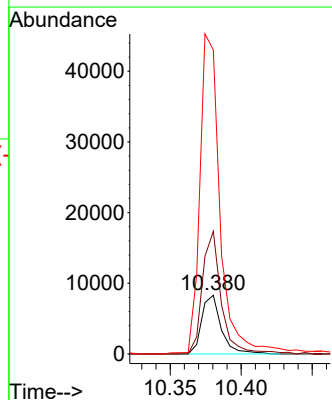
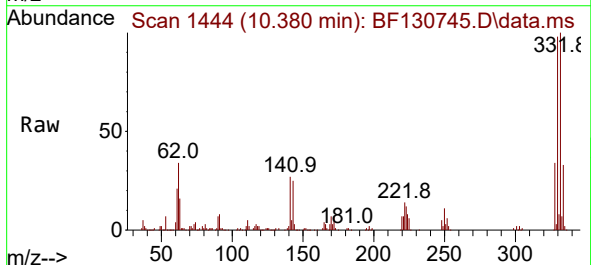
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

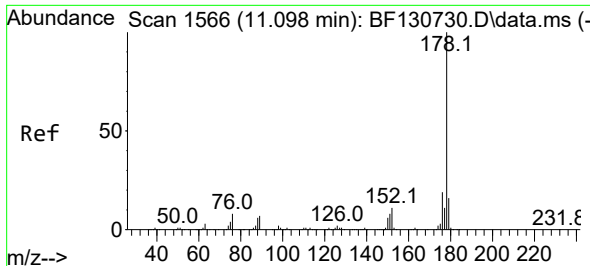
Tgt Ion:188 Resp: 290446
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.9 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 2.283 ng
RT: 10.380 min Scan# 1444
Delta R.T. -0.241 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:248 Resp: 7975
Ion Ratio Lower Upper
248 100
250 208.8 77.0 115.6#
141 517.1 60.1 90.1#

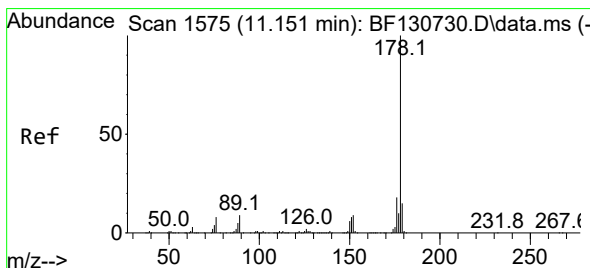
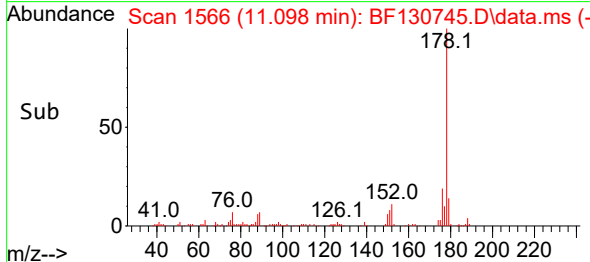
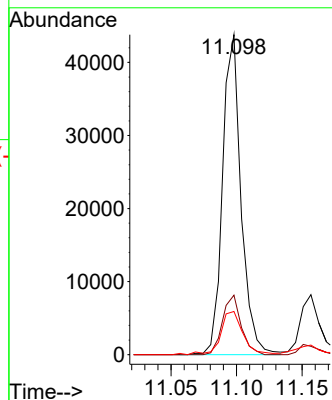
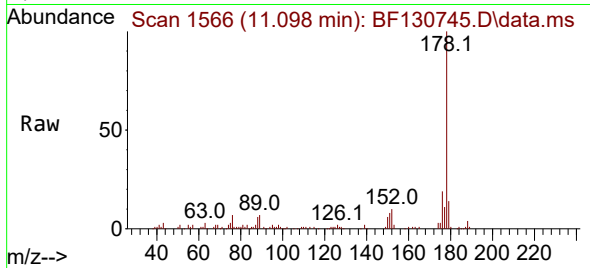




#71
Phenanthrene
Concen: 2.694 ng
RT: 11.098 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

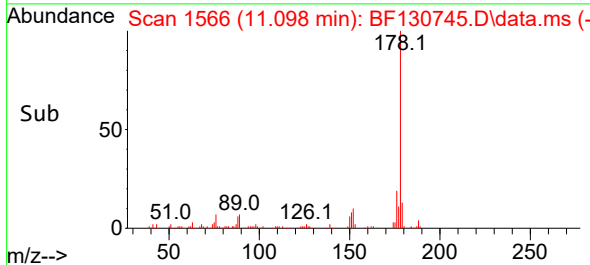
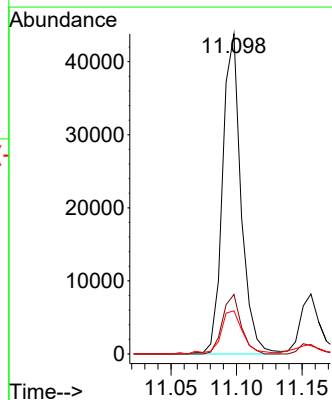
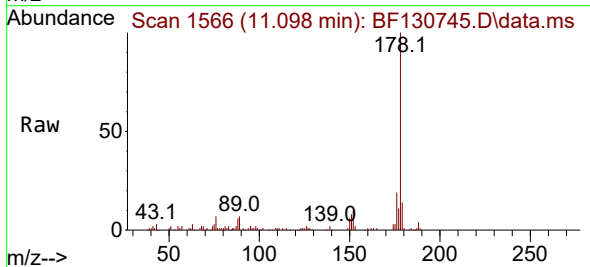
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

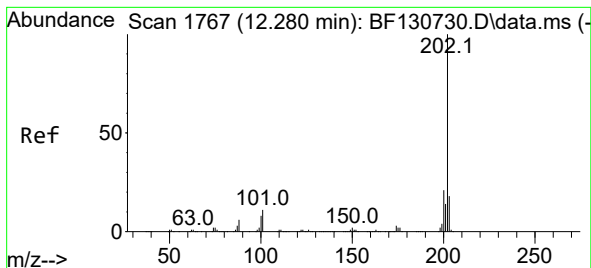
Tgt Ion:178 Resp: 42909
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 13.5 12.4 18.6



#72
Anthracene
Concen: 2.700 ng
RT: 11.098 min Scan# 1566
Delta R.T. -0.053 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:178 Resp: 42909
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 13.5 12.4 18.6





#75

Fluoranthene

Concen: 4.789 ng

RT: 12.280 min Scan# 1767

Delta R.T. -0.000 min

Lab File: BF130745.D

Acq: 21 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

SB-SOILPILE-1020

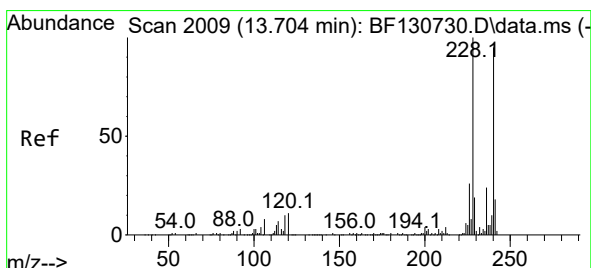
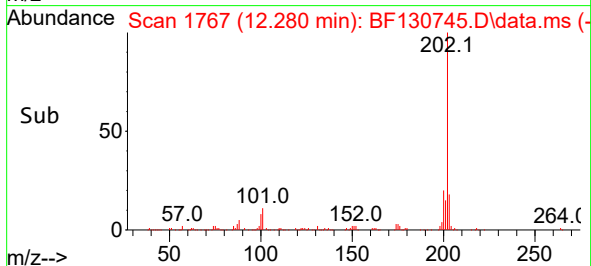
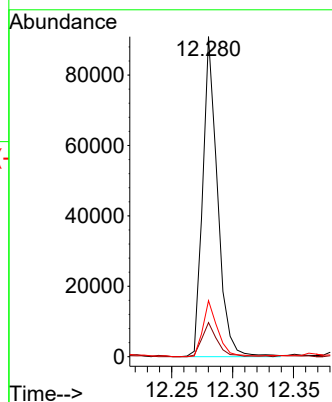
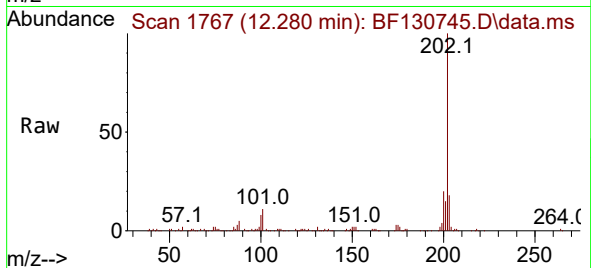
Tgt Ion:202 Resp: 77112

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.0

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.704 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF130745.D

Acq: 21 Oct 2022 15:13

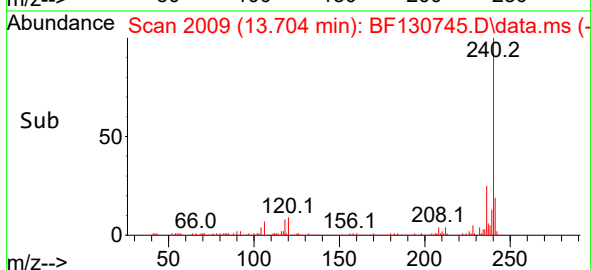
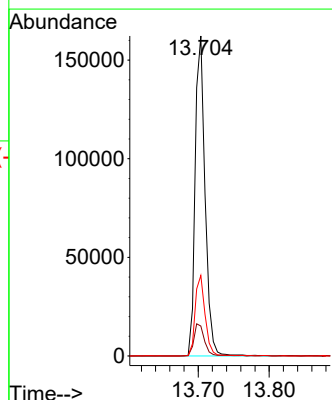
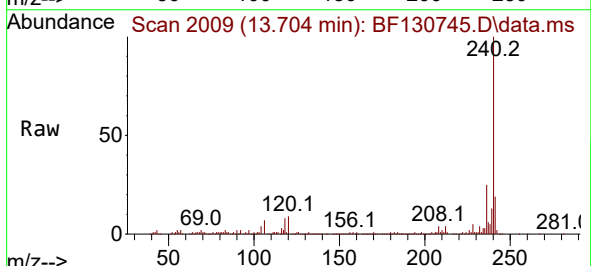
Tgt Ion:240 Resp: 157675

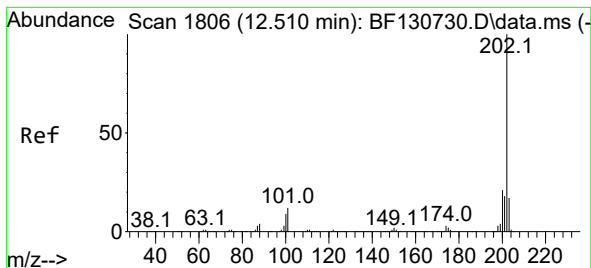
Ion Ratio Lower Upper

240 100

120 9.3 9.6 14.4#

236 25.1 20.2 30.2





#78

Pyrene

Concen: 5.988 ng

RT: 12.510 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF130745.D

Acq: 21 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

SB-SOILPILE-1020

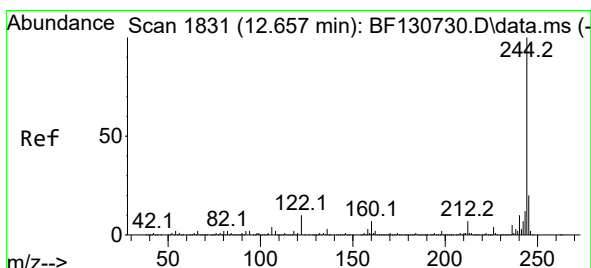
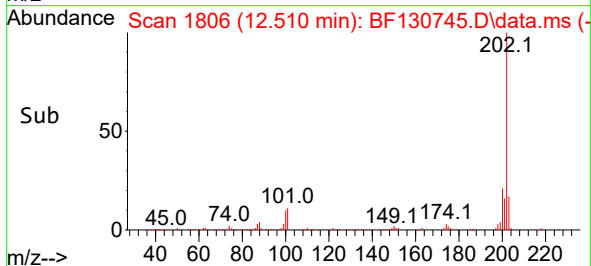
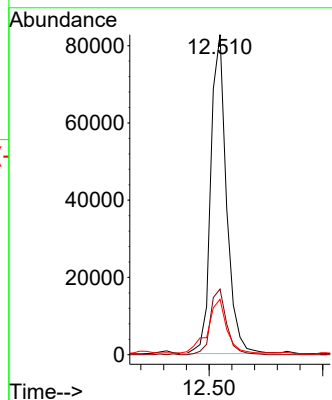
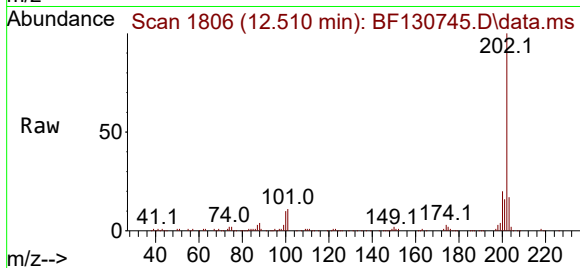
Tgt Ion:202 Resp: 79249

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

203 17.3 13.8 20.8



#79

Terphenyl-d14

Concen: 49.061 ng

RT: 12.651 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF130745.D

Acq: 21 Oct 2022 15:13

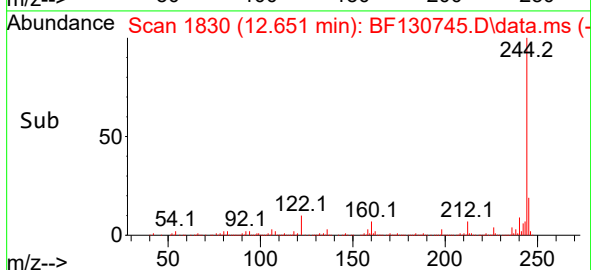
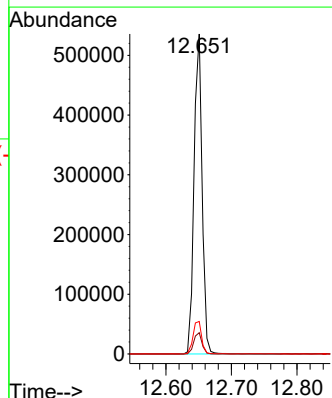
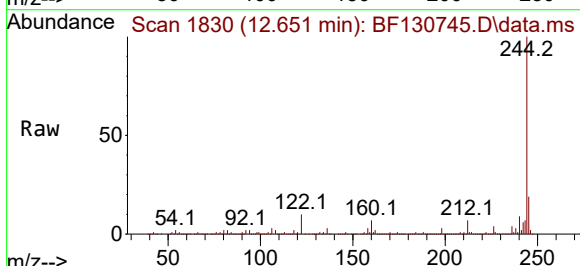
Tgt Ion:244 Resp: 459045

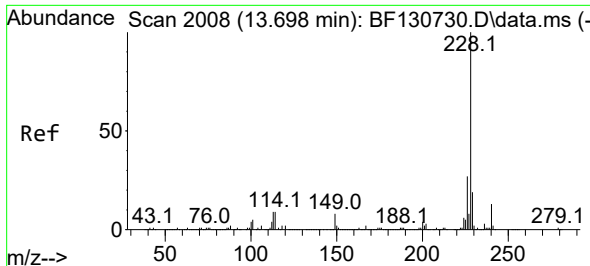
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.1 8.2 12.4

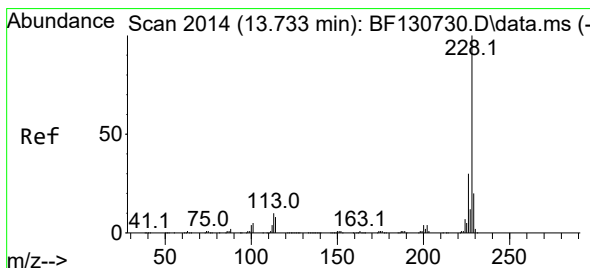
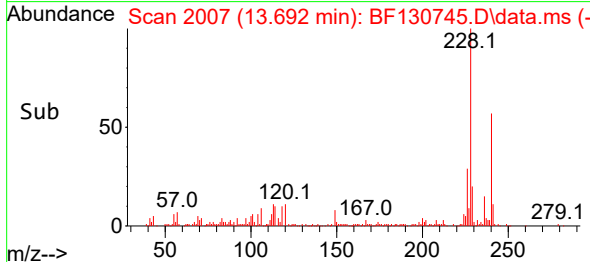
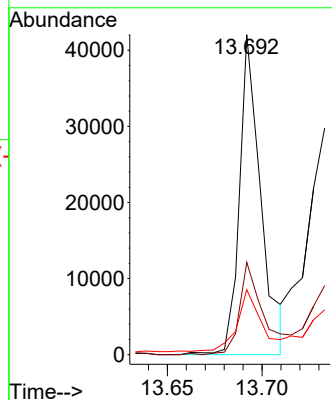
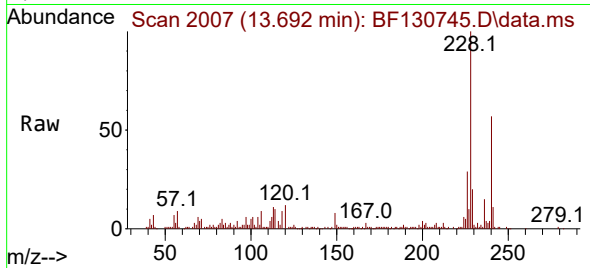




#81
Benzo(a)anthracene
Concen: 3.136 ng
RT: 13.692 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

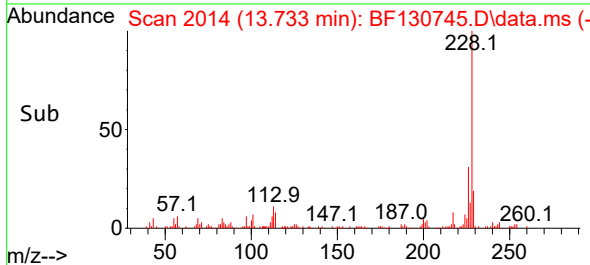
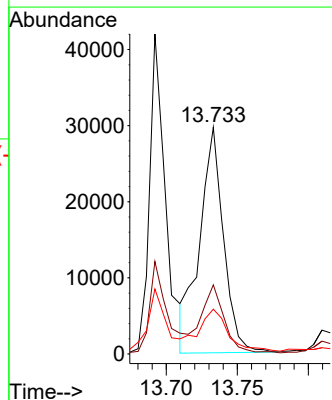
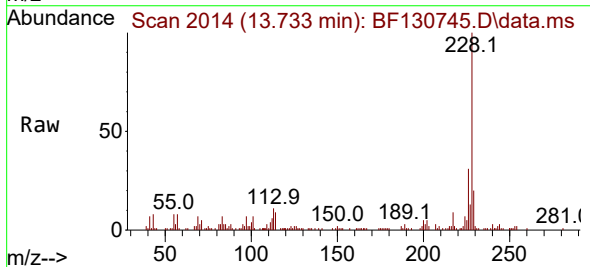
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

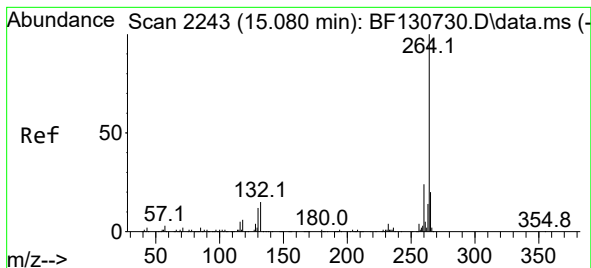
Tgt Ion:228 Resp: 33037
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.8
229 20.3 15.4 23.2



#83
Chrysene
Concen: 3.417 ng
RT: 13.733 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:228 Resp: 34881
Ion Ratio Lower Upper
228 100
226 30.5 23.6 35.4
229 19.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130745.D

Acq: 21 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

SB-SOILPILE-1020

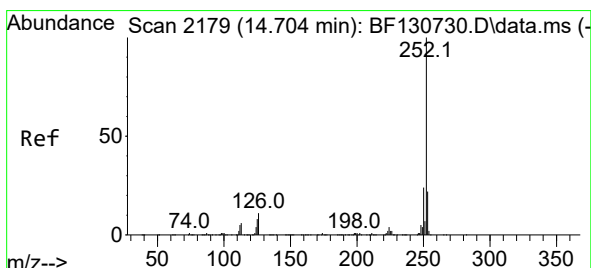
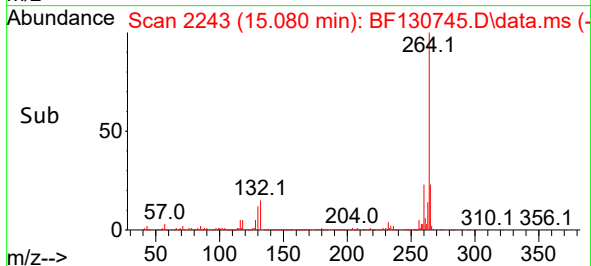
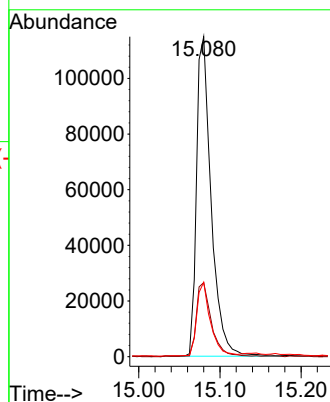
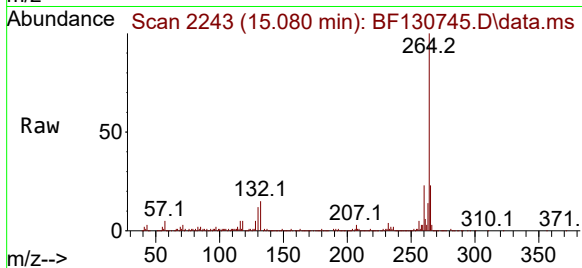
Tgt Ion:264 Resp: 144263

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 23.3 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 6.330 ng

RT: 14.709 min Scan# 2180

Delta R.T. 0.006 min

Lab File: BF130745.D

Acq: 21 Oct 2022 15:13

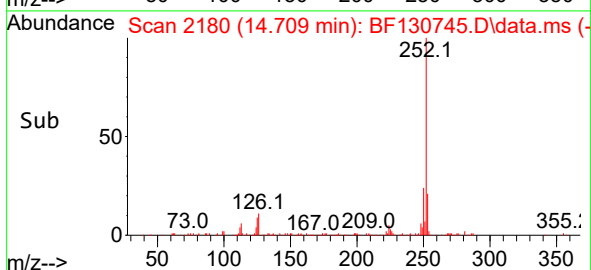
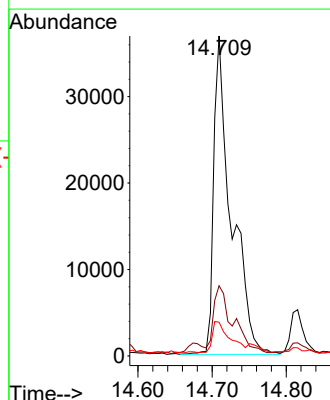
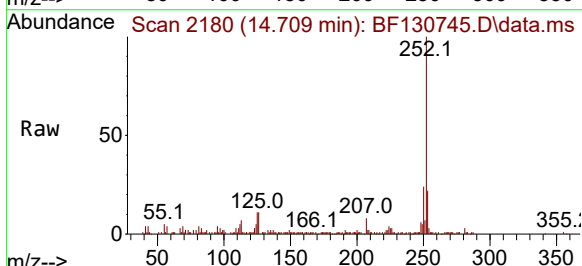
Tgt Ion:252 Resp: 60806

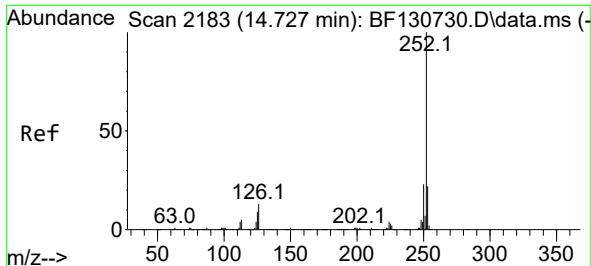
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.6 6.4 9.6#

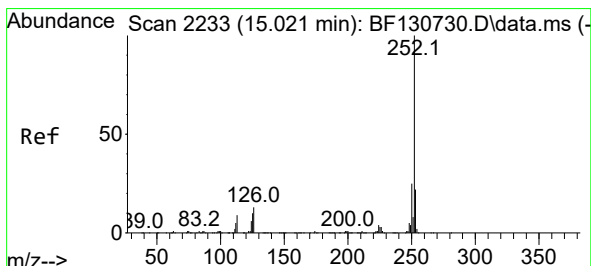
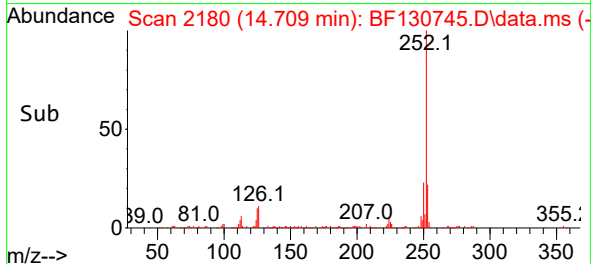
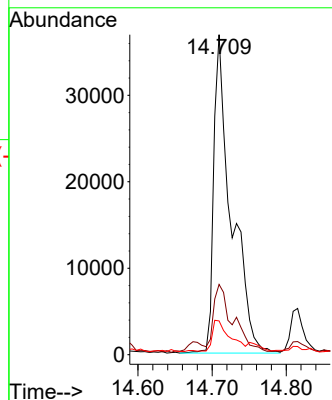
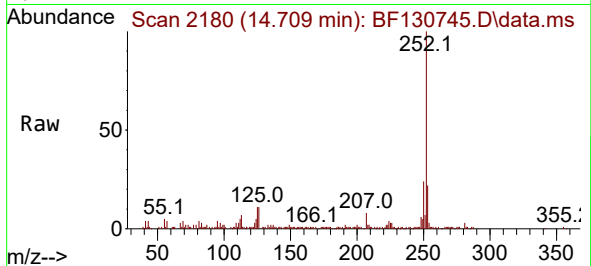




#89
Benzo(k)fluoranthene
Concen: 6.301 ng
RT: 14.709 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

Tgt Ion:252 Resp: 60806
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 10.6 7.2 10.8



#90
Benzo(a)pyrene
Concen: 3.770 ng
RT: 15.033 min Scan# 2235
Delta R.T. 0.012 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:252 Resp: 29084
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 10.5 8.3 12.5

