

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130746.D
 Acq On : 21 Oct 2022 15:45
 Operator : CG\JU
 Sample : N5224-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILPILE-MIX

Quant Time: Oct 21 18:18:12 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)

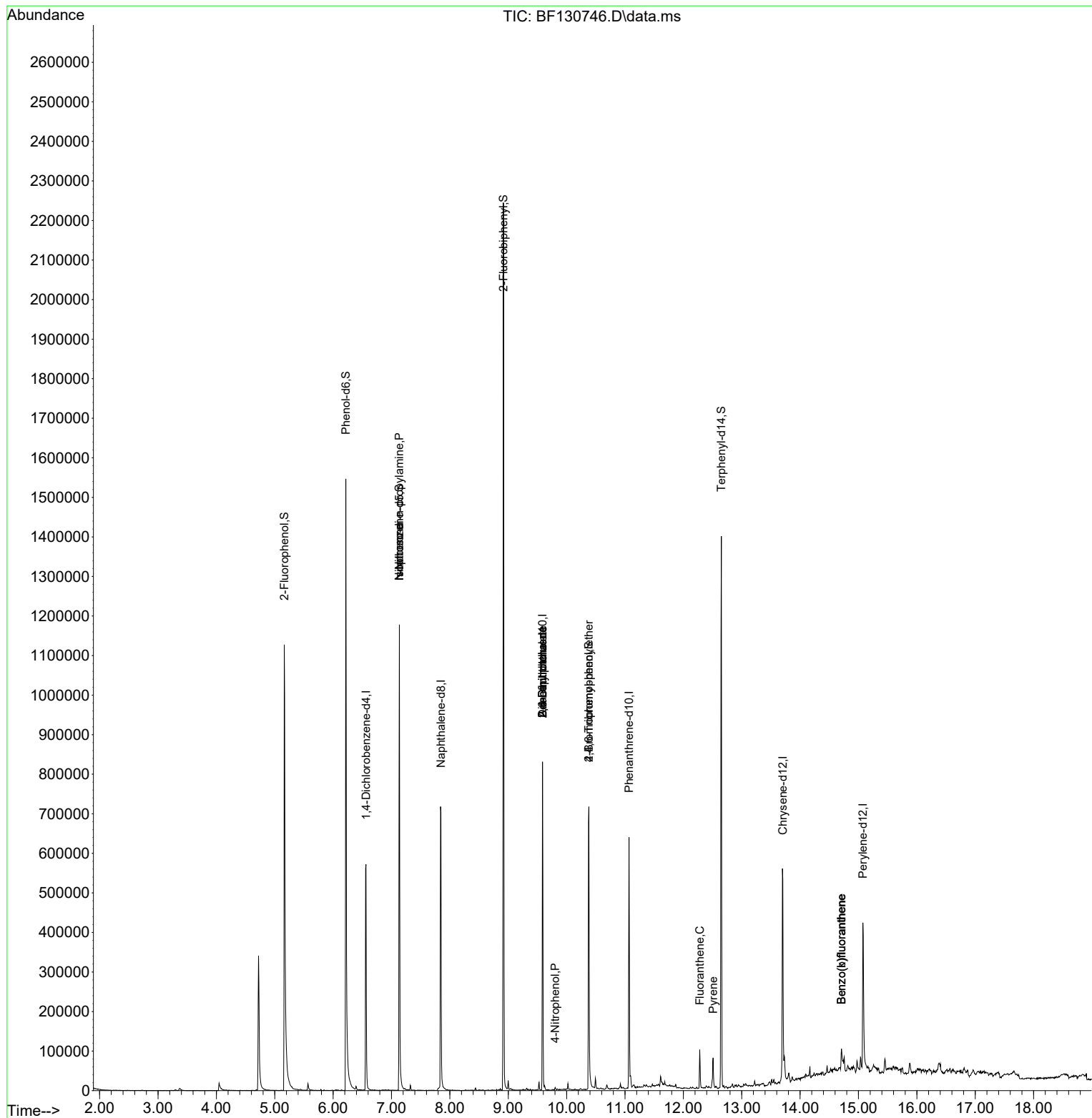
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	96767	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	344254	20.000	ng	0.00
39) Acenaphthene-d10	9.587	164	158025	20.000	ng	0.00
64) Phenanthrene-d10	11.069	188	213212	20.000	ng	0.00
76) Chrysene-d12	13.704	240	183401	20.000	ng	# 0.00
86) Perylene-d12	15.074	264	150290	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.163	112	436554	77.795	ng	0.00
7) Phenol-d6	6.216	99	559810	82.451	ng	0.00
23) Nitrobenzene-d5	7.134	82	356578	54.947	ng	0.00
42) 2,4,6-Tribromophenol	10.381	330	98627	65.628	ng	0.00
45) 2-Fluorobiphenyl	8.916	172	661331	63.776	ng	-0.01
79) Terphenyl-d14	12.651	244	466100	42.828	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.134	70	46798	10.200	ng	# 76
25) Isophorone	7.134	82	356575	33.349	ng	# 65
50) Dimethylphthalate	9.587	163	29635	2.788	ng	# 1
51) 2,6-Dinitrotoluene	9.587	165	19939	8.377	ng	# 30
56) 4-Nitrophenol	9.804	139	1162	7.044	ng	# 7
57) 2,4-Dinitrotoluene	9.587	165	19939	6.219	ng	# 28
67) 4-Bromophenyl-phenylether	10.381	248	5969	2.327	ng	# 1
75) Fluoranthene	12.280	202	38543	3.261	ng	98
77) Benzidine	12.651	184	6569	Below Cal		# 93
78) Pyrene	12.510	202	33355	2.167	ng	99
88) Benzo(b)fluoranthene	14.710	252	34045	3.402	ng	# 94
89) Benzo(k)fluoranthene	14.710	252	34045	3.386	ng	# 95

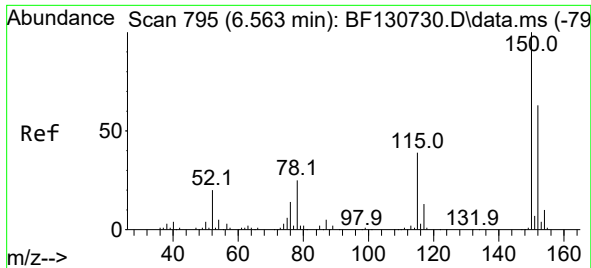
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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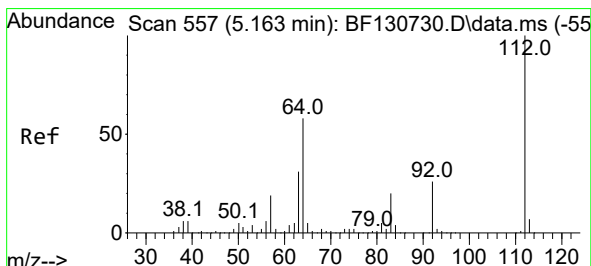
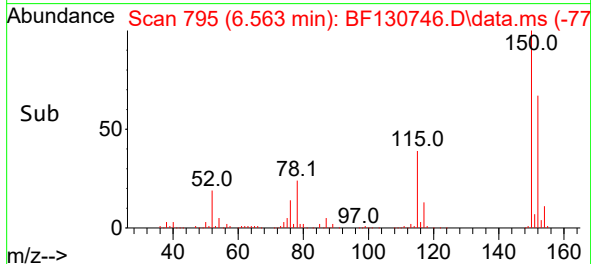
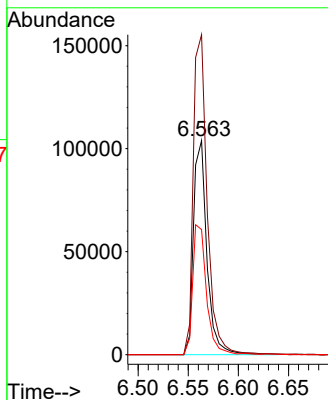
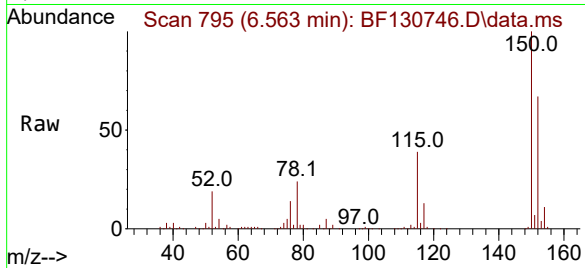




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

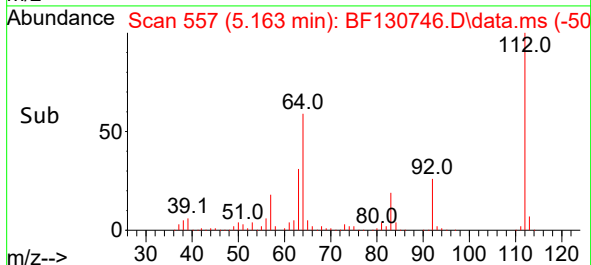
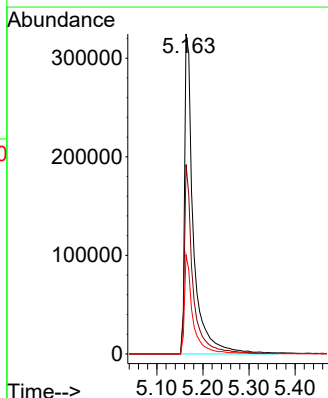
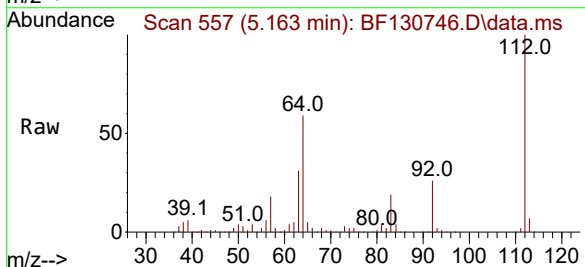
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

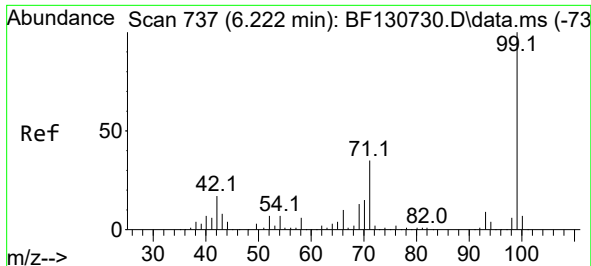
Tgt Ion:152 Resp: 96767
Ion Ratio Lower Upper
152 100
150 149.5 127.0 190.6
115 58.5 49.9 74.9



#5
2-Fluorophenol
Concen: 77.795 ng
RT: 5.163 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:112 Resp: 436554
Ion Ratio Lower Upper
112 100
64 59.2 46.2 69.4
63 31.0 25.1 37.7

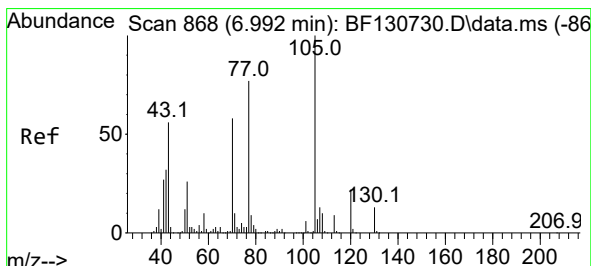
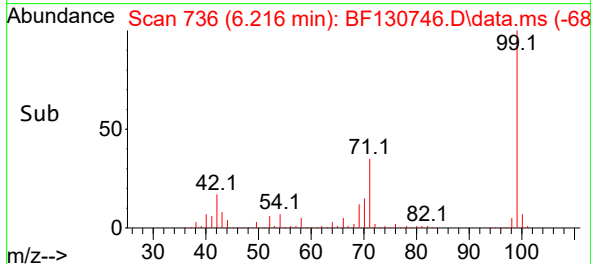
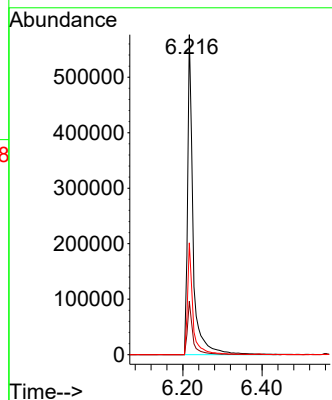
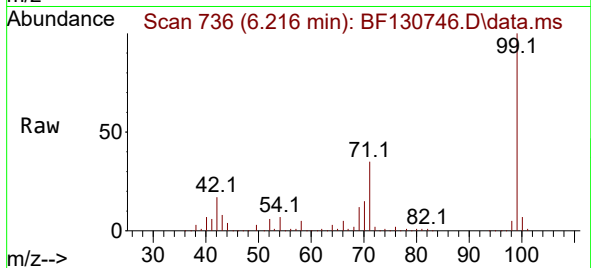




#7
Phenol-d6
Concen: 82.451 ng
RT: 6.216 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

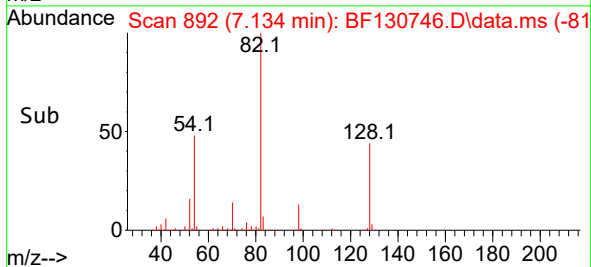
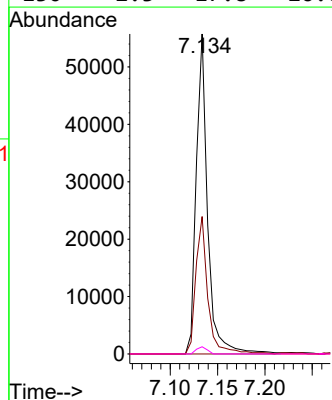
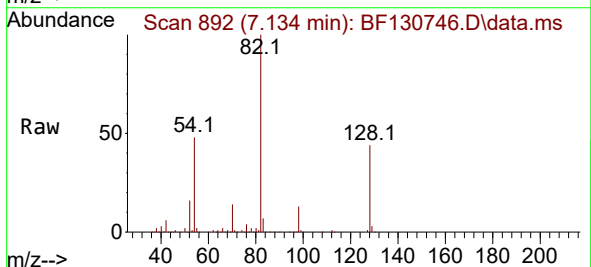
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

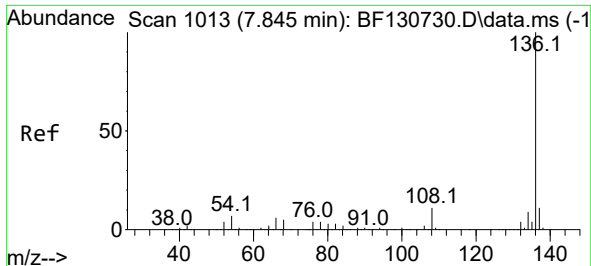
Tgt Ion: 99 Resp: 559810
Ion Ratio Lower Upper
99 100
42 16.7 13.8 20.8
71 34.9 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.200 ng
RT: 7.134 min Scan# 892
Delta R.T. 0.141 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion: 70 Resp: 46798
Ion Ratio Lower Upper
70 100
42 42.9 44.1 66.1#
101 0.0 8.3 12.5#
130 2.3 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: BF130746.D

Acq: 21 Oct 2022 15:45

Instrument :

BNA_F

ClientSampleId :

SOILPILE-MIX

Tgt Ion:136 Resp: 344254

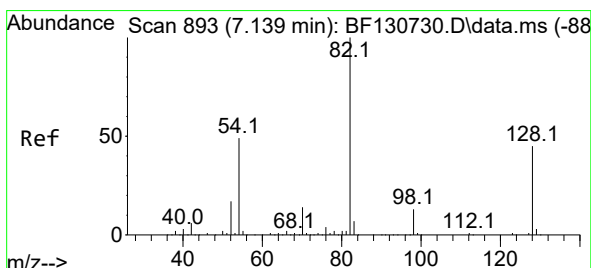
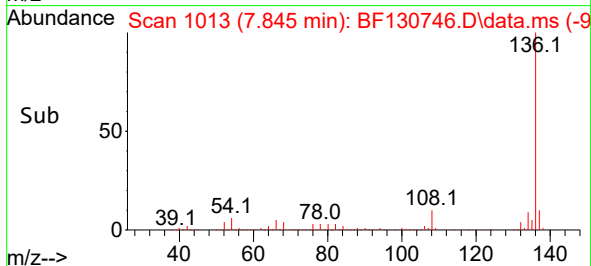
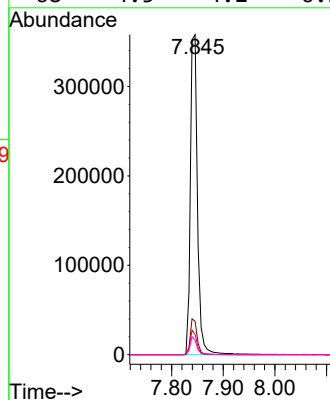
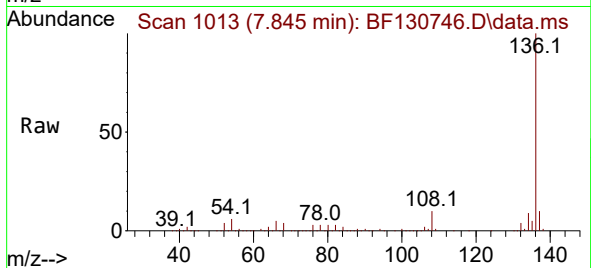
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 6.3 5.8 8.8

68 4.5 4.2 6.2



#23

Nitrobenzene-d5

Concen: 54.947 ng

RT: 7.134 min Scan# 892

Delta R.T. -0.005 min

Lab File: BF130746.D

Acq: 21 Oct 2022 15:45

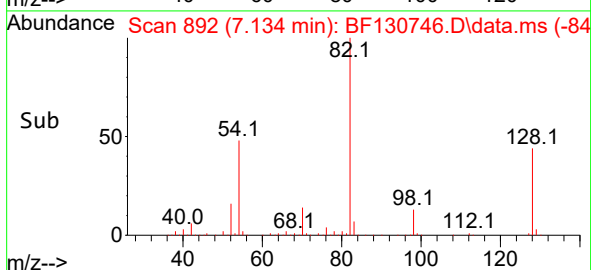
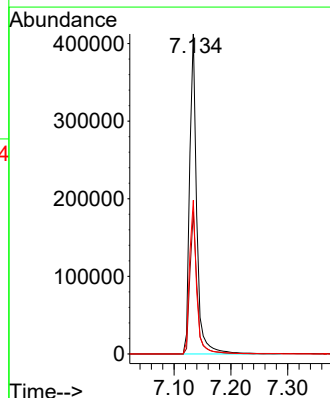
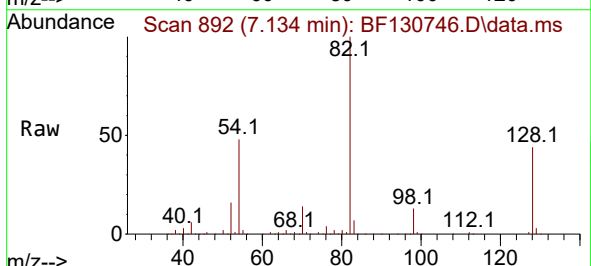
Tgt Ion: 82 Resp: 356578

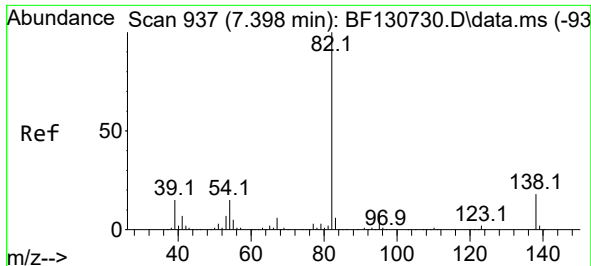
Ion Ratio Lower Upper

82 100

128 44.5 35.9 53.9

54 48.0 39.2 58.8

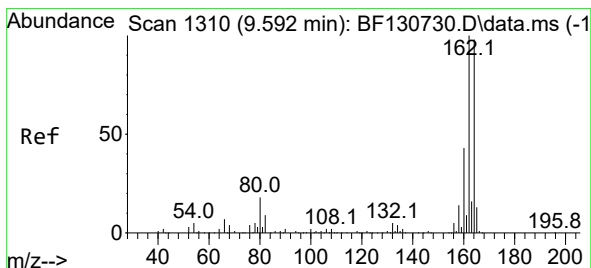
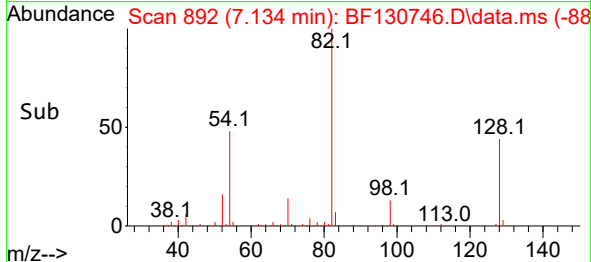
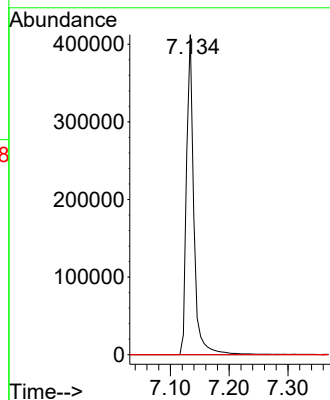
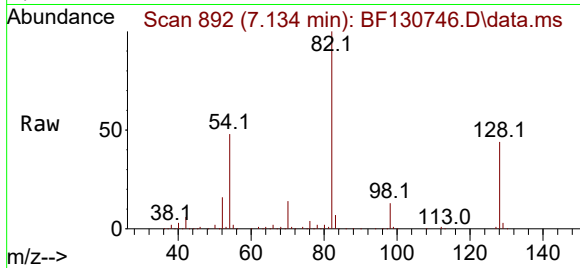




#25
Isophorone
Concen: 33.349 ng
RT: 7.134 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

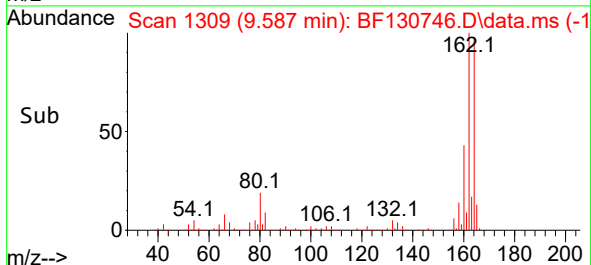
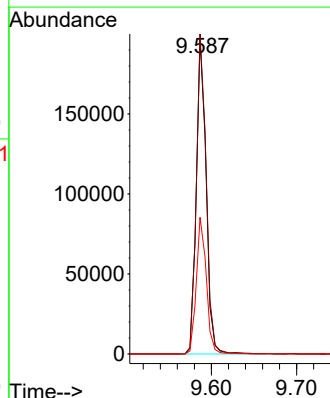
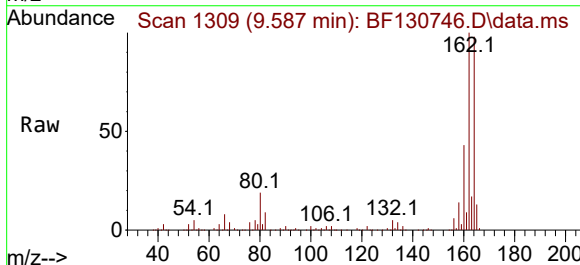
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

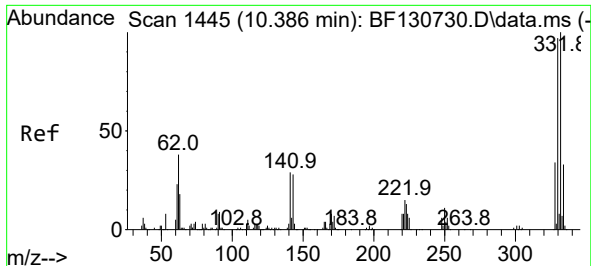
Tgt Ion: 82 Resp: 356575
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.587 min Scan# 1309
Delta R.T. -0.005 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

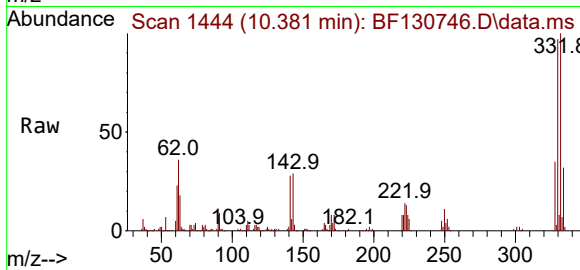
Tgt Ion:164 Resp: 158025
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 43.4 35.0 52.4



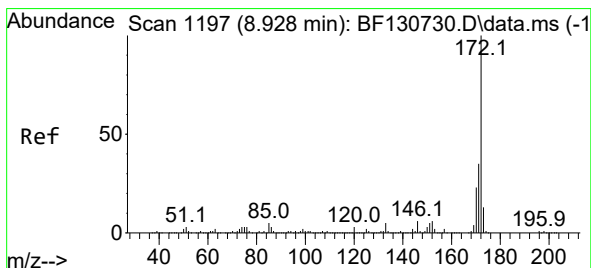
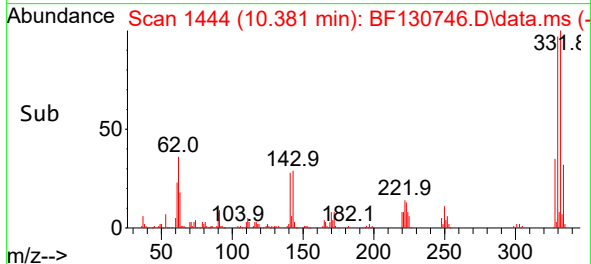
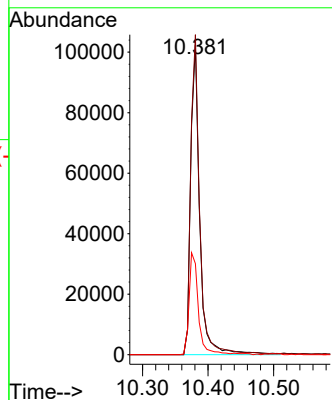


#42
2,4,6-Tribromophenol
Concen: 65.628 ng
RT: 10.381 min Scan# 1444
Delta R.T. -0.005 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

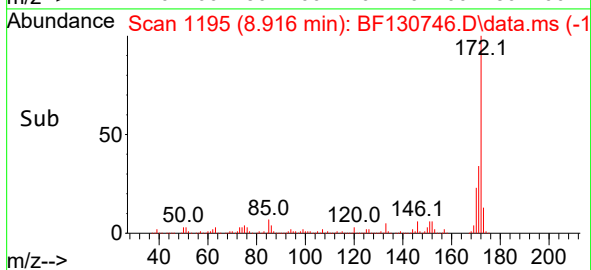
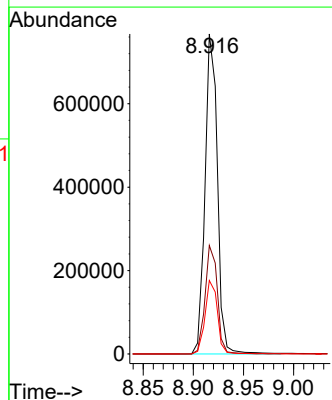
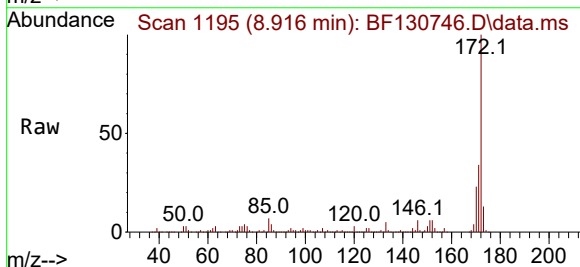


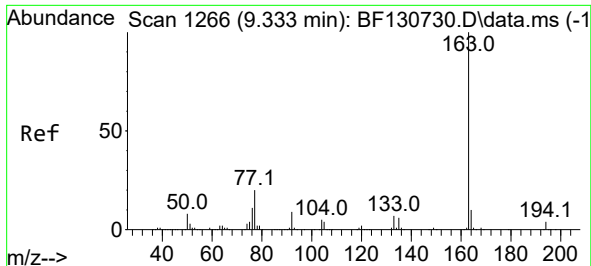
Tgt Ion:330 Resp: 98627
Ion Ratio Lower Upper
330 100
332 102.4 81.4 122.2
141 34.0 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 63.776 ng
RT: 8.916 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:172 Resp: 661331
Ion Ratio Lower Upper
172 100
171 33.9 28.2 42.2
170 23.0 18.5 27.7

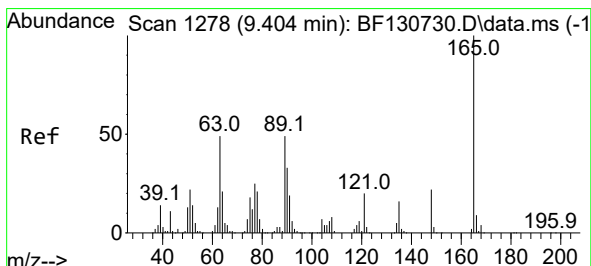
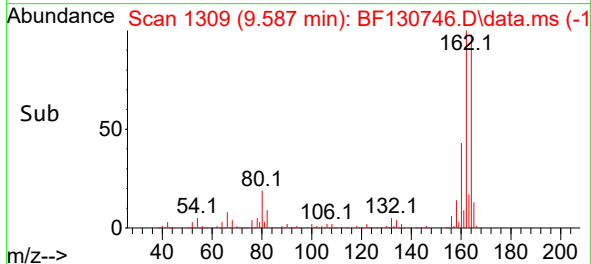
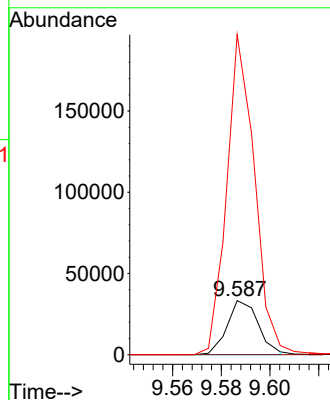
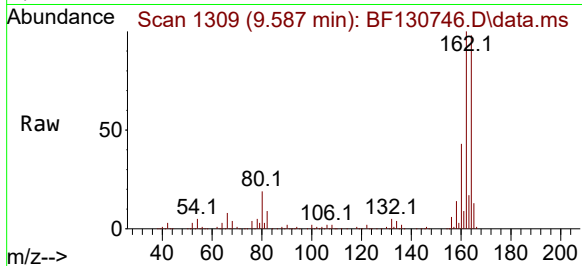




#50
Dimethylphthalate
Concen: 2.788 ng
RT: 9.587 min Scan# 11
Delta R.T. 0.254 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

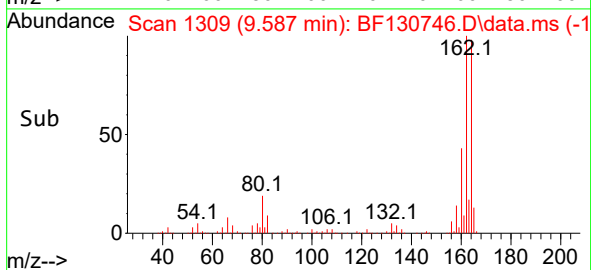
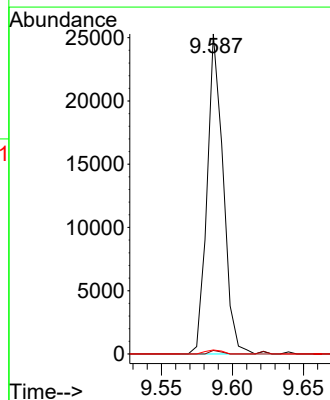
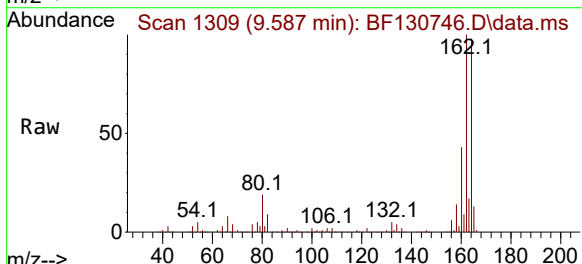
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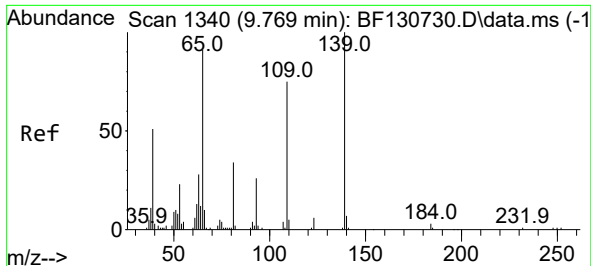
Tgt Ion:163 Resp: 29635
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 591.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.377 ng
RT: 9.587 min Scan# 1309
Delta R.T. 0.183 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:165 Resp: 19939
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.2 39.4 59.2#

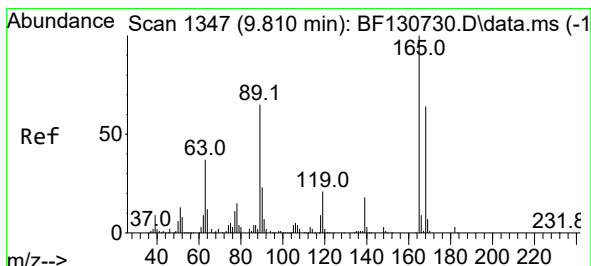
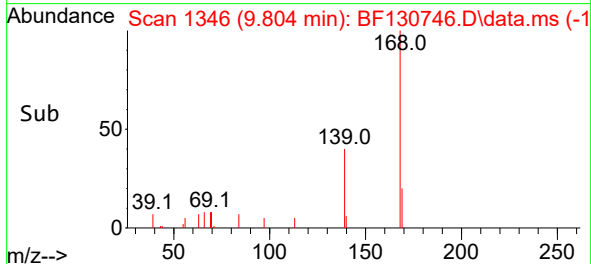
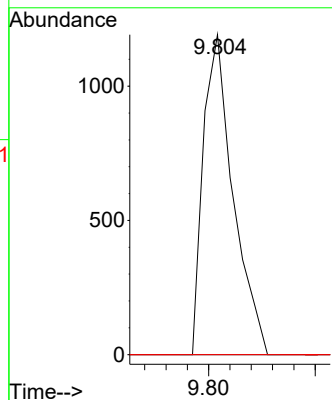
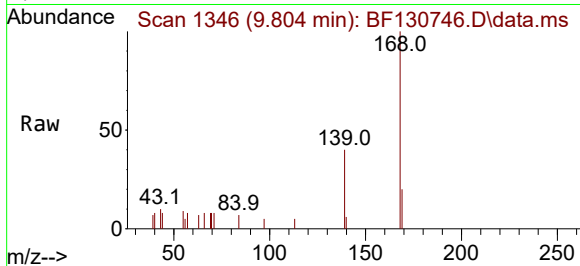




#56
4-Nitrophenol
Concen: 7.044 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

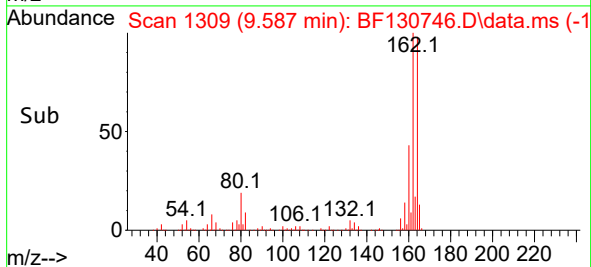
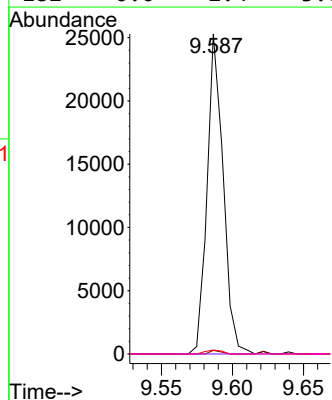
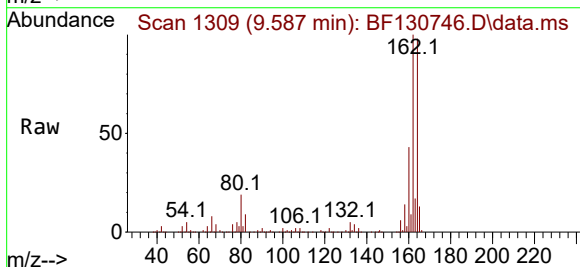
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

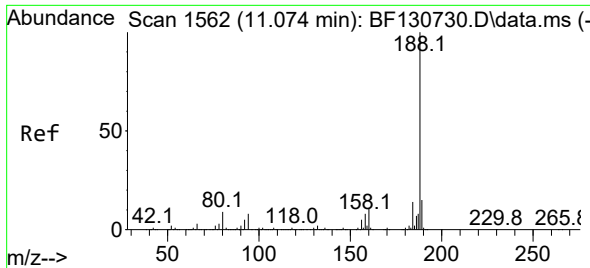
Tgt Ion:139 Resp: 1162
Ion Ratio Lower Upper
139 100
109 0.0 55.1 95.1#
65 0.0 72.2 112.2#



#57
2,4-Dinitrotoluene
Concen: 6.219 ng
RT: 9.587 min Scan# 1309
Delta R.T. -0.223 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:165 Resp: 19939
Ion Ratio Lower Upper
165 100
63 1.1 32.6 49.0#
89 1.2 51.9 77.9#
182 0.0 2.4 3.6#

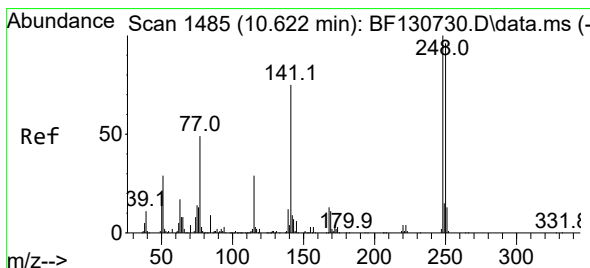
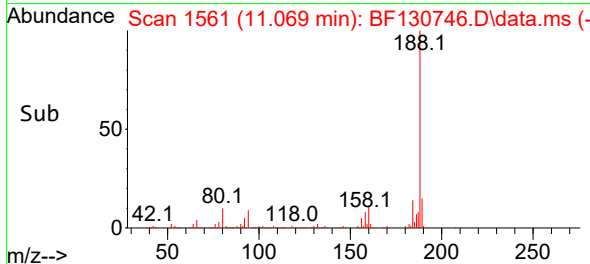
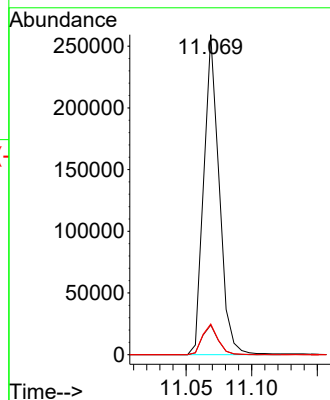
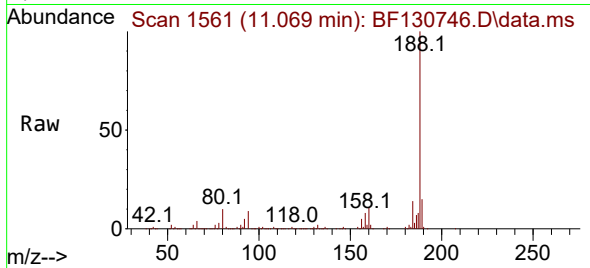




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

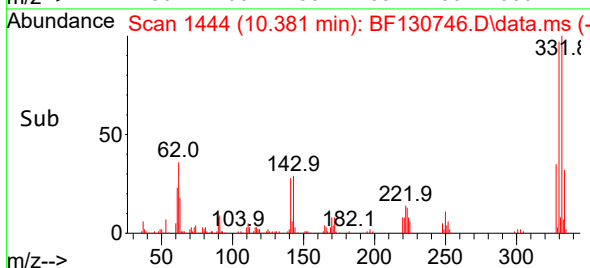
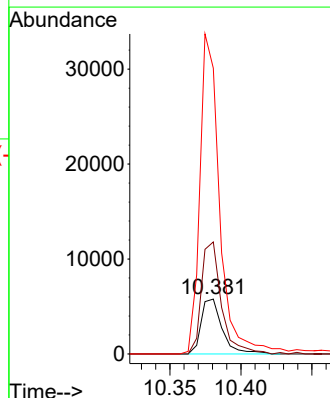
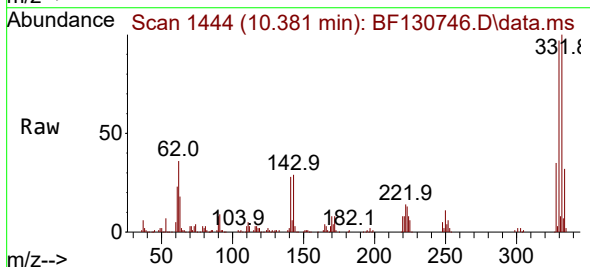
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

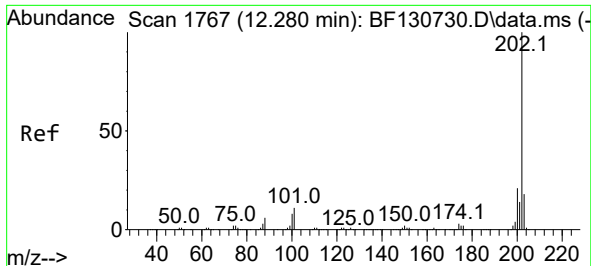
Tgt Ion:188 Resp: 213212
Ion Ratio Lower Upper
188 100
94 9.2 6.7 10.1
80 9.6 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 2.327 ng
RT: 10.381 min Scan# 1444
Delta R.T. -0.241 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:248 Resp: 5969
Ion Ratio Lower Upper
248 100
250 204.2 77.0 115.6#
141 520.6 60.1 90.1#

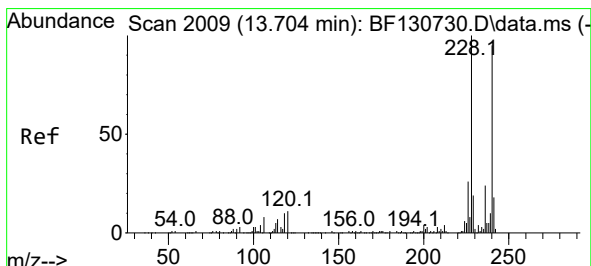
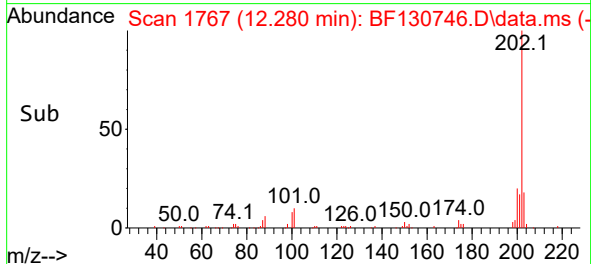
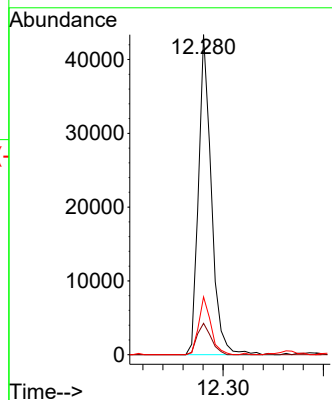
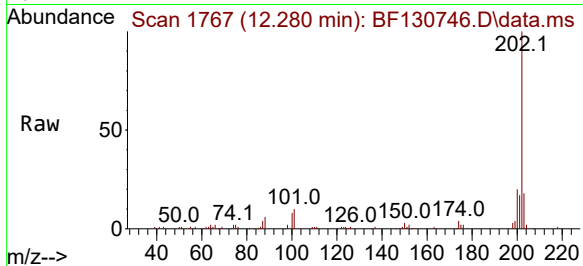




#75
Fluoranthene
Concen: 3.261 ng
RT: 12.280 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

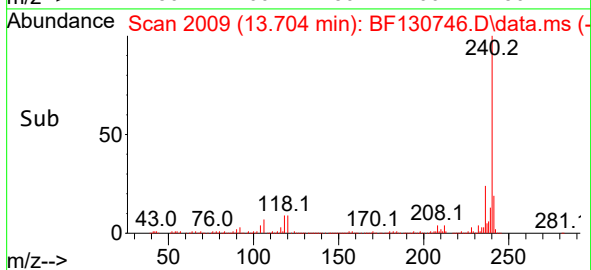
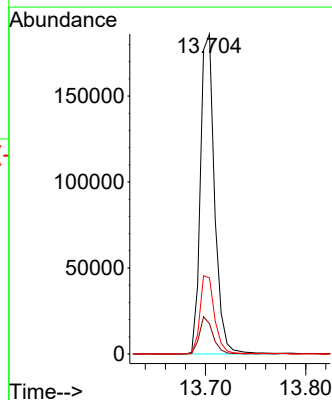
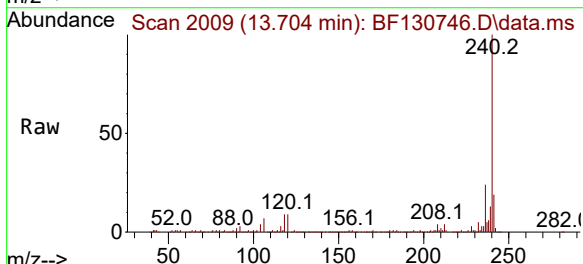
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

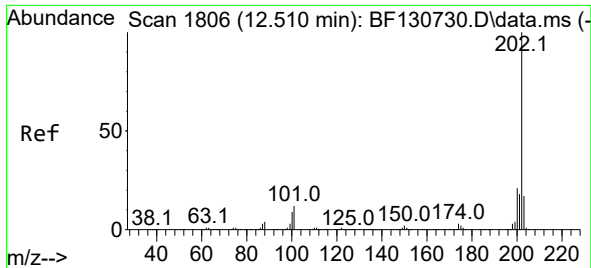
Tgt Ion:202 Resp: 38543
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:240 Resp: 183401
Ion Ratio Lower Upper
240 100
120 9.5 9.6 14.4#
236 23.8 20.2 30.2

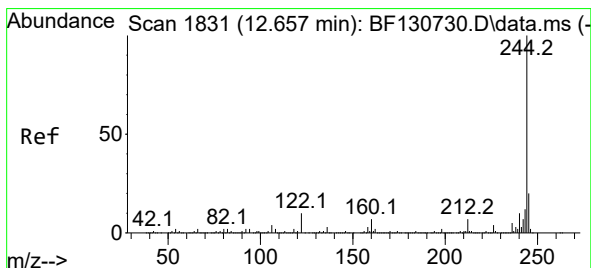
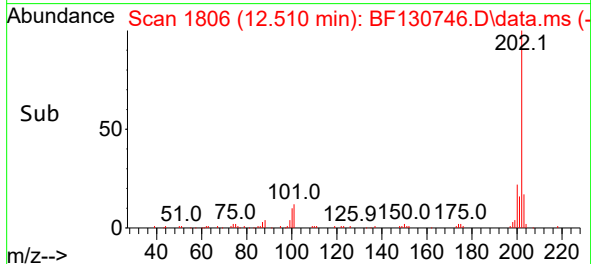
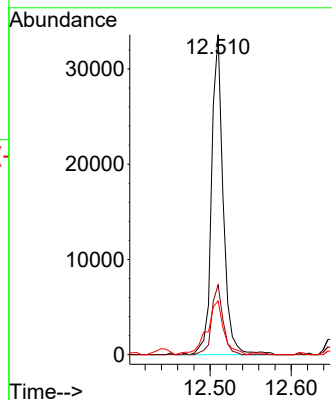
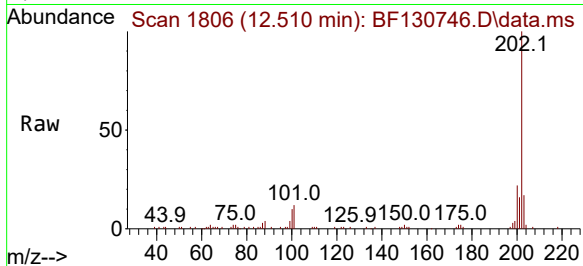




#78
Pyrene
Concen: 2.167 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

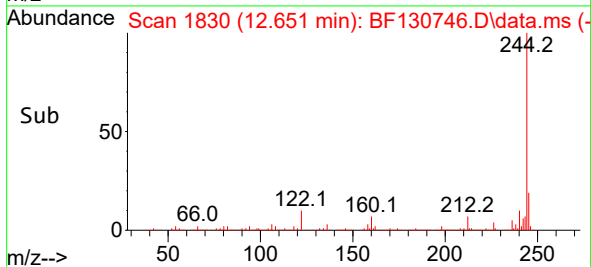
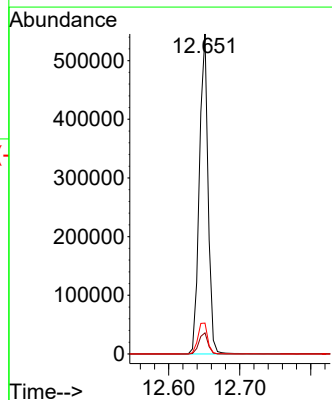
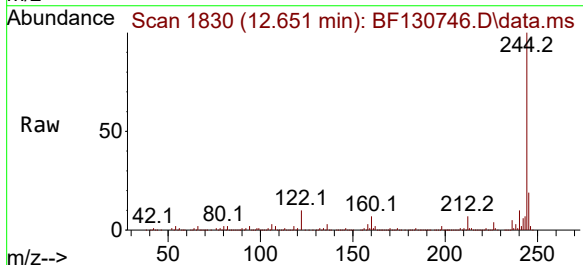
Instrument :
BNA_F
ClientSampleId :
SOILPILE-MIX

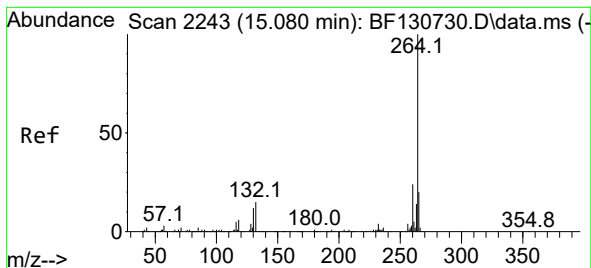
Tgt Ion:202 Resp: 33355
Ion Ratio Lower Upper
202 100
200 21.8 16.8 25.2
203 16.8 13.8 20.8



#79
Terphenyl-d14
Concen: 42.828 ng
RT: 12.651 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF130746.D
Acq: 21 Oct 2022 15:45

Tgt Ion:244 Resp: 466100
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.7 8.2 12.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130746.D

Acq: 21 Oct 2022 15:45

Instrument :

BNA_F

ClientSampleId :

SOILPILE-MIX

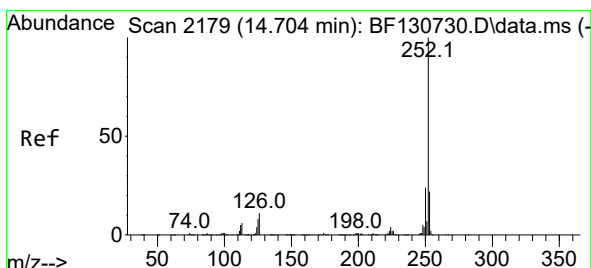
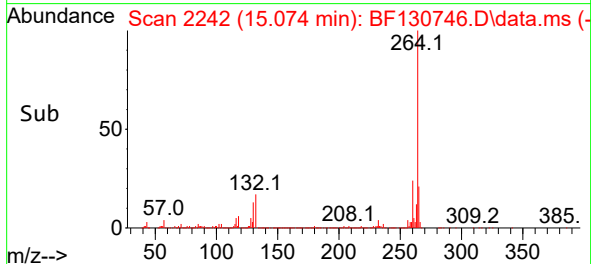
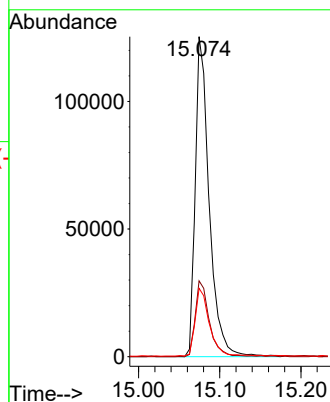
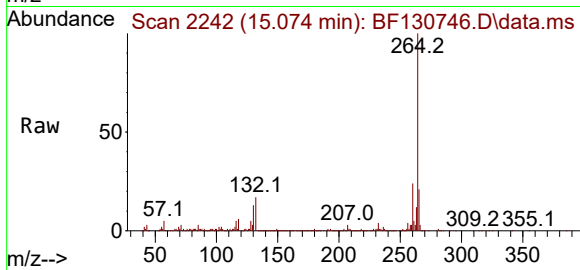
Tgt Ion:264 Resp: 150290

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.4 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 3.402 ng

RT: 14.710 min Scan# 2180

Delta R.T. 0.006 min

Lab File: BF130746.D

Acq: 21 Oct 2022 15:45

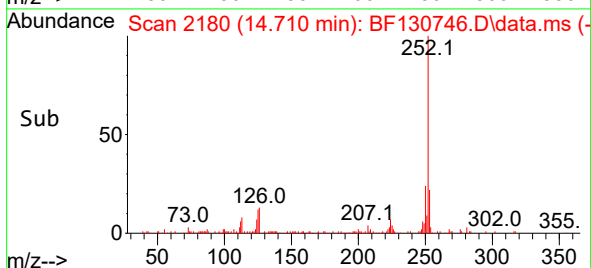
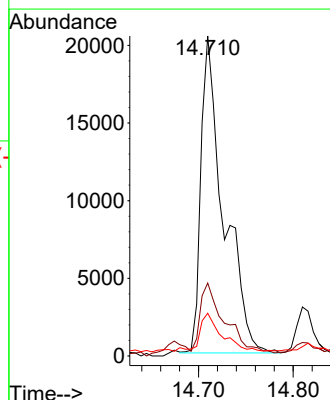
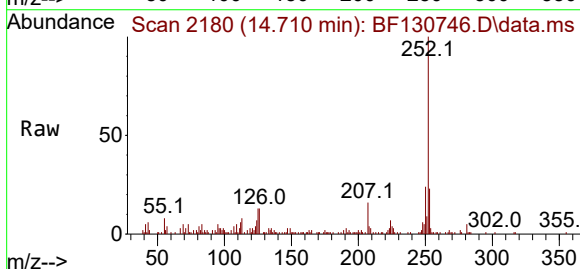
Tgt Ion:252 Resp: 34045

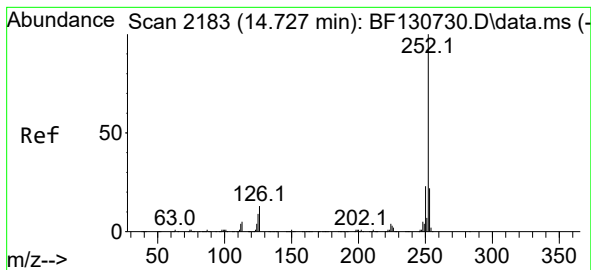
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 13.4 6.4 9.6#





#89

Benzo(k)fluoranthene

Concen: 3.386 ng

RT: 14.710 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF130746.D

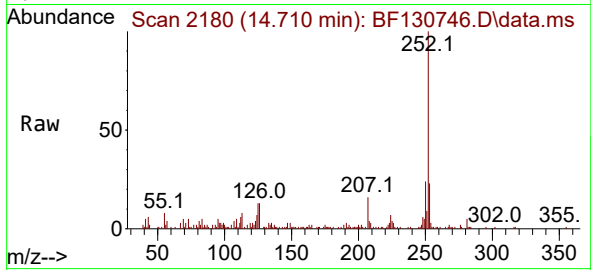
Acq: 21 Oct 2022 15:45

Instrument :

BNA_F

ClientSampleId :

SOILPILE-MIX



Tgt Ion:252 Resp: 34045

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 13.4 7.2 10.8#

