

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101922\
 Data File : BF130711.D
 Acq On : 19 Oct 2022 15:19
 Operator : CG\JU
 Sample : N5133-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAS-SOIL-1013

Quant Time: Oct 19 15:49:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

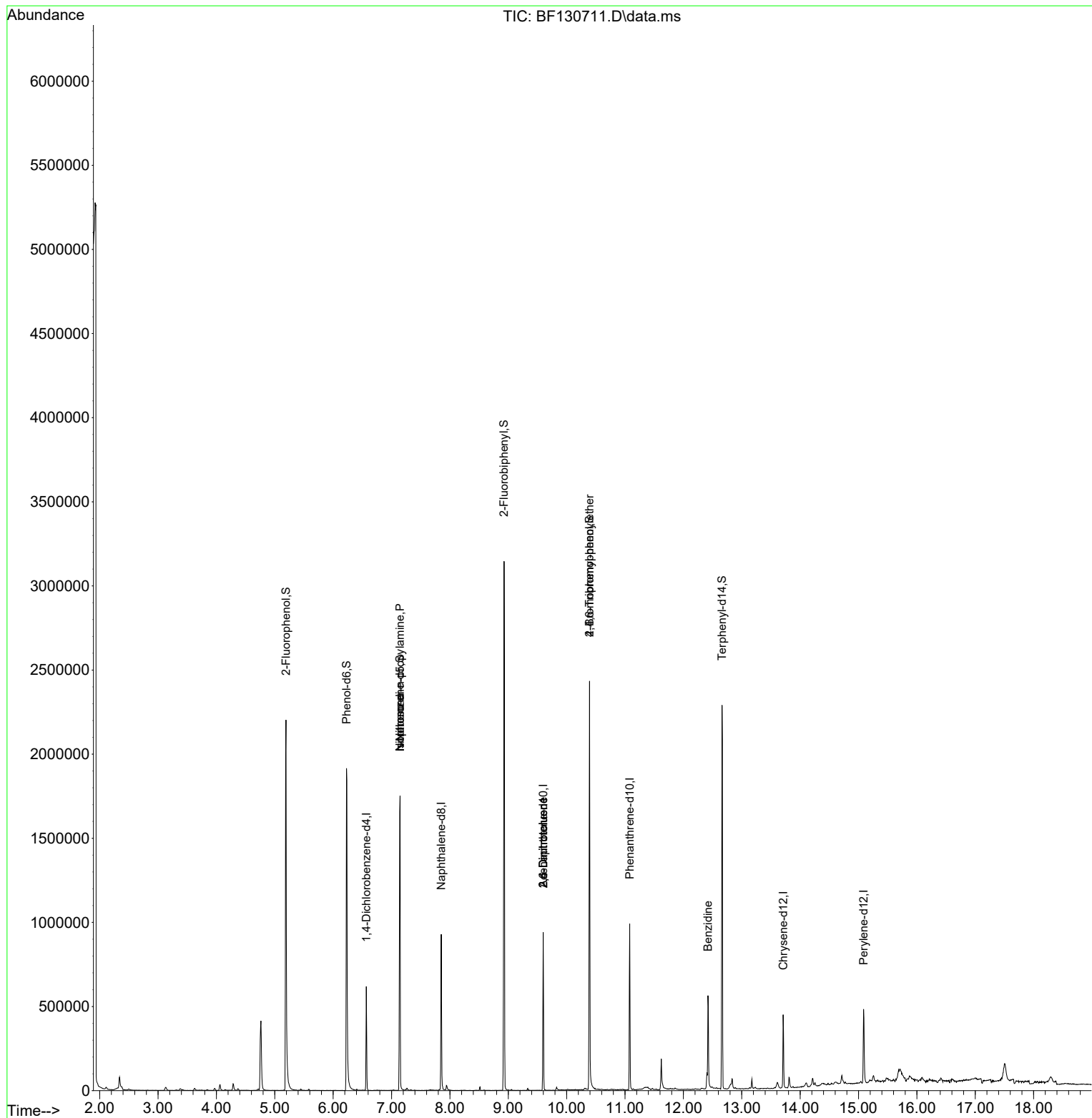
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.569	152	83789	20.000	ng	0.00
21) Naphthalene-d8	7.851	136	390876	20.000	ng	0.00
39) Acenaphthene-d10	9.598	164	175985	20.000	ng	-0.01
64) Phenanthrene-d10	11.080	188	331291	20.000	ng	0.00
76) Chrysene-d12	13.710	240	140784	20.000	ng	-0.01
86) Perylene-d12	15.086	264	184013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	731807	157.433	ng	0.02
7) Phenol-d6	6.228	99	829201	141.882	ng	0.00
23) Nitrobenzene-d5	7.145	82	611179	85.359	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	294585	171.071	ng	0.00
45) 2-Fluorobiphenyl	8.928	172	1029919	88.648	ng	-0.01
79) Terphenyl-d14	12.663	244	814171	95.984	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.145	70	82199	21.800	ng	# 75
25) Isophorone	7.145	82	611171	51.286	ng	# 64
51) 2,6-Dinitrotoluene	9.598	165	23164	8.668	ng	# 24
57) 2,4-Dinitrotoluene	9.598	165	23164	6.745	ng	# 14
67) 4-Bromophenyl-phenylether	10.392	248	17037	4.545	ng	# 1
77) Benzidine	12.421	184	212193	59.630	ng	98

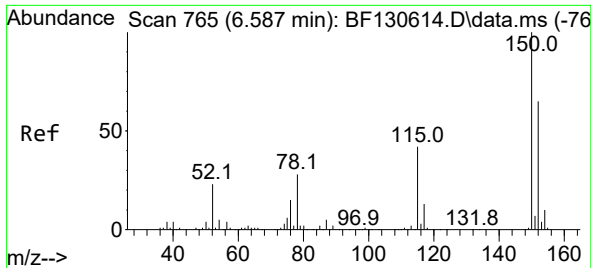
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration

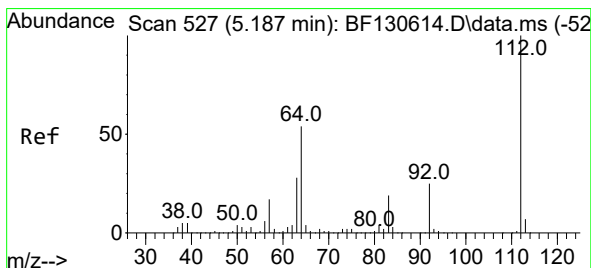
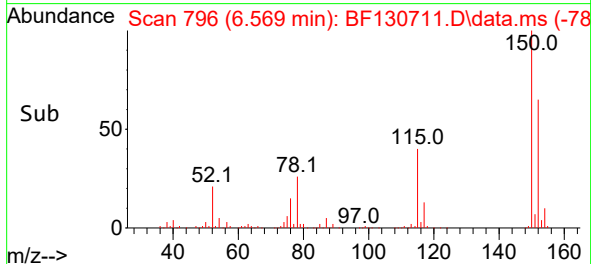
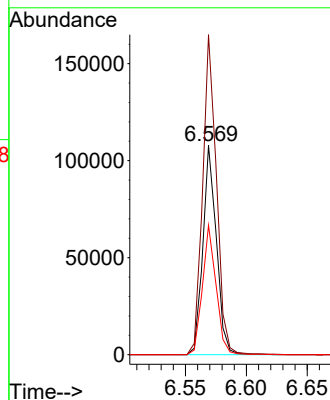
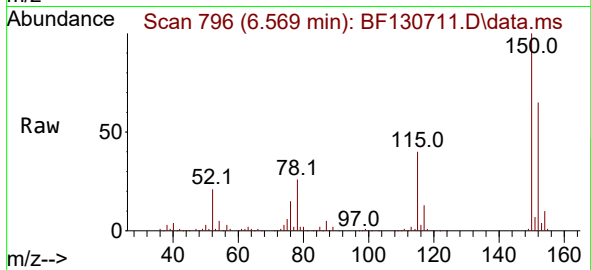




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.569 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

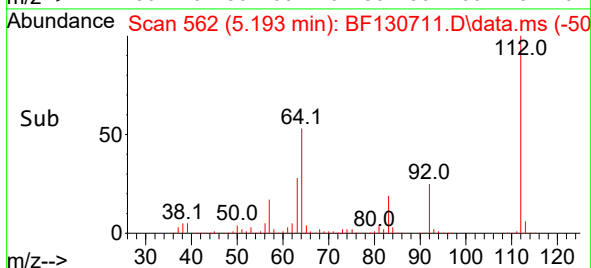
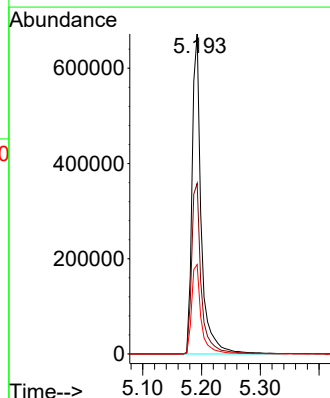
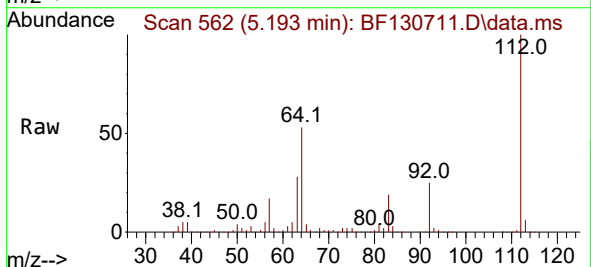
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013

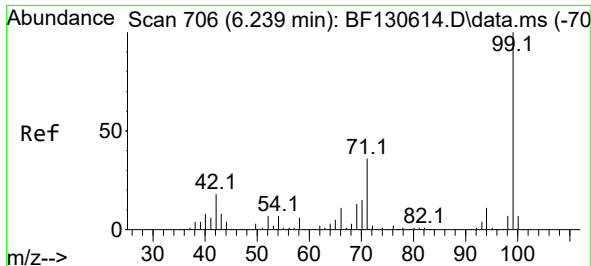
Tgt Ion:152 Resp: 83789
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.6
115 61.9 52.2 78.4



#5
2-Fluorophenol
Concen: 157.433 ng
RT: 5.193 min Scan# 562
Delta R.T. 0.023 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

Tgt Ion:112 Resp: 731807
Ion Ratio Lower Upper
112 100
64 53.3 43.5 65.3
63 28.0 22.6 34.0

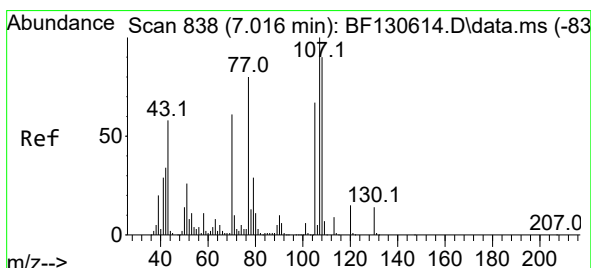
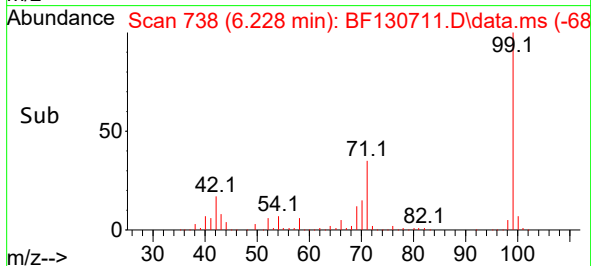
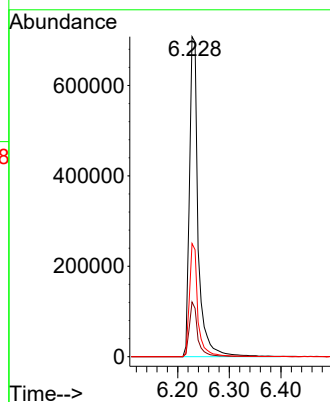
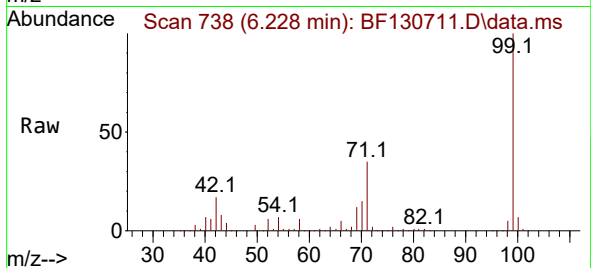




#7
Phenol-d6
Concen: 141.882 ng
RT: 6.228 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

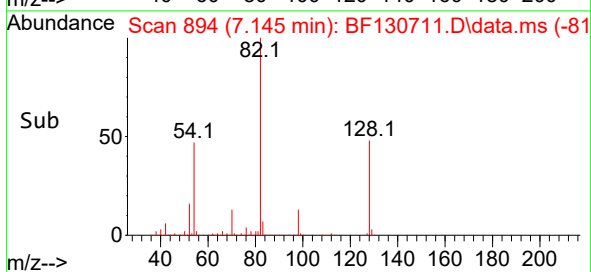
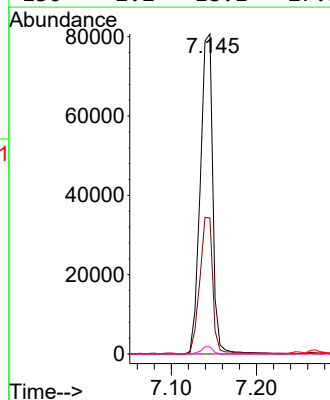
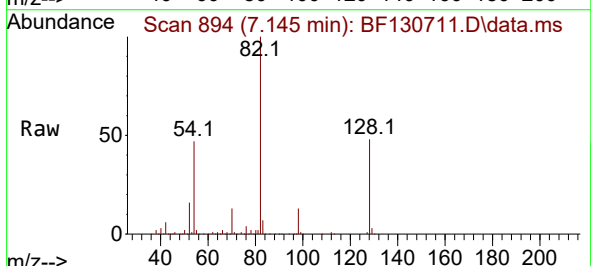
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013

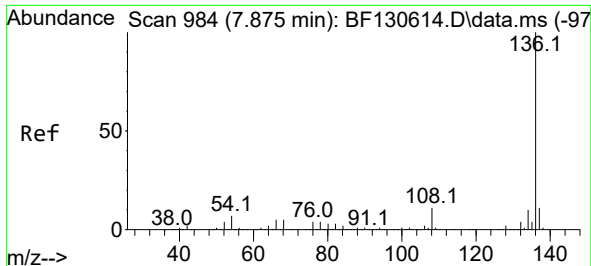
Tgt Ion: 99 Resp: 829201
Ion Ratio Lower Upper
99 100
42 17.1 14.0 21.0
71 35.3 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.800 ng
RT: 7.145 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

Tgt Ion: 70 Resp: 82199
Ion Ratio Lower Upper
70 100
42 42.5 44.3 66.5#
101 0.0 7.9 11.9#
130 2.2 18.1 27.1#

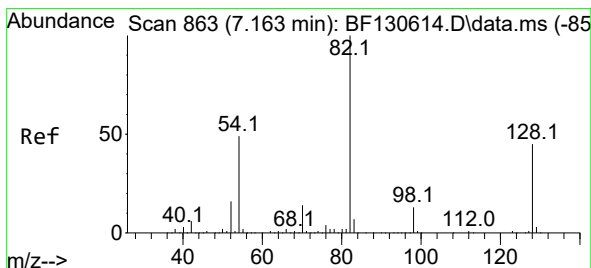
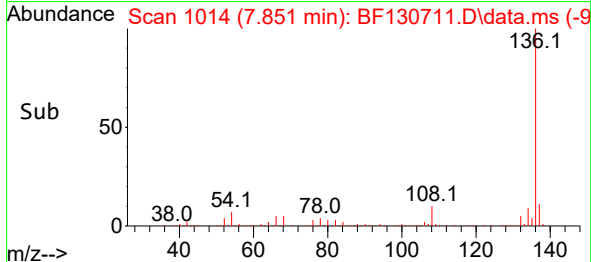
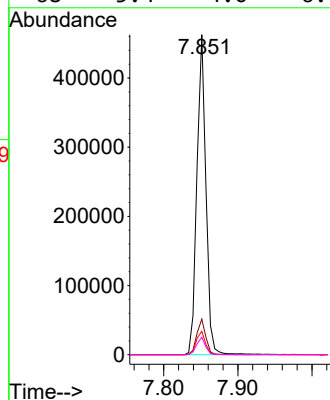
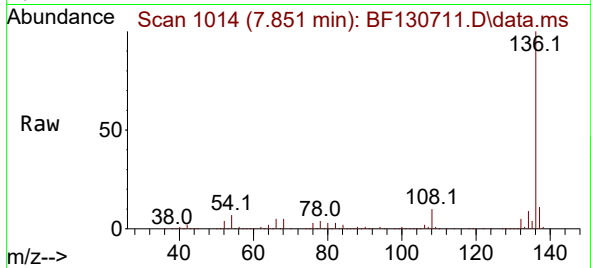




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.851 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

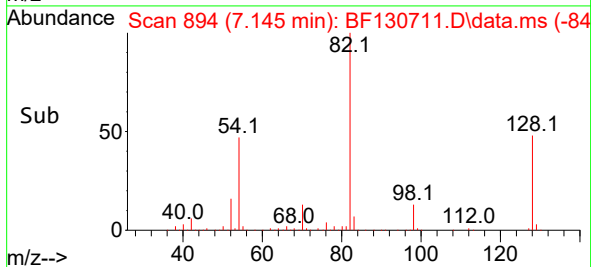
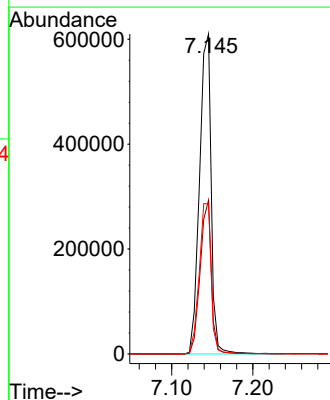
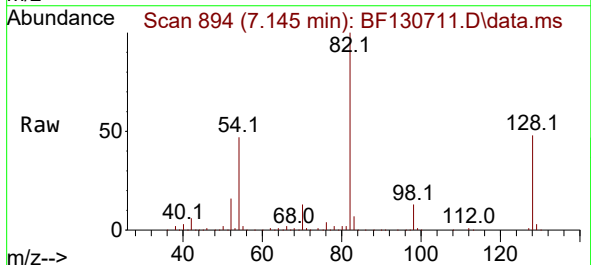
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013

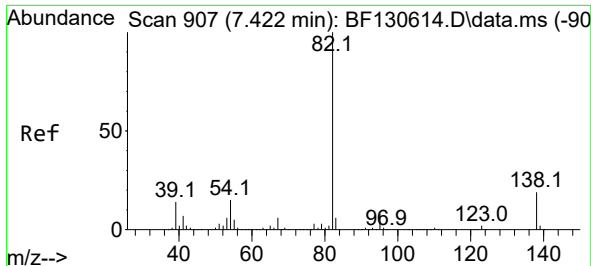
Tgt Ion:136 Resp: 390876
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.3 5.5 8.3
68 5.4 4.0 6.0



#23
Nitrobenzene-d5
Concen: 85.359 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

Tgt Ion: 82 Resp: 611179
Ion Ratio Lower Upper
82 100
128 48.0 35.8 53.6
54 46.9 39.3 58.9

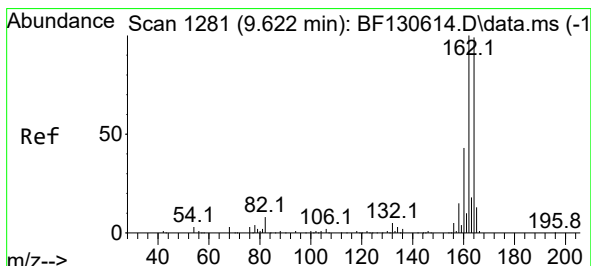
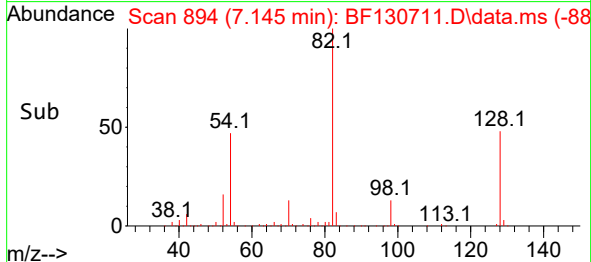
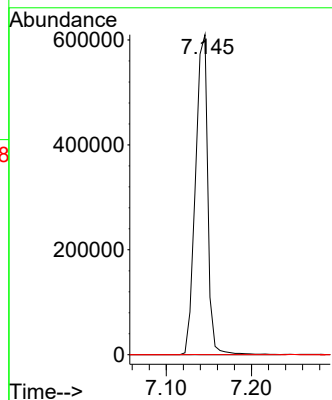
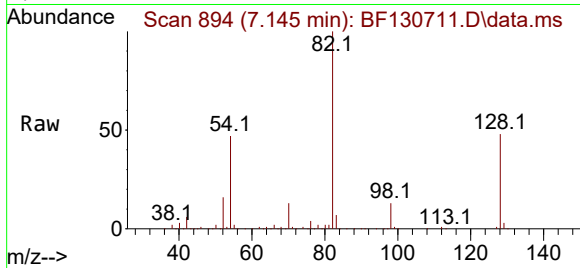




#25
Isophorone
Concen: 51.286 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

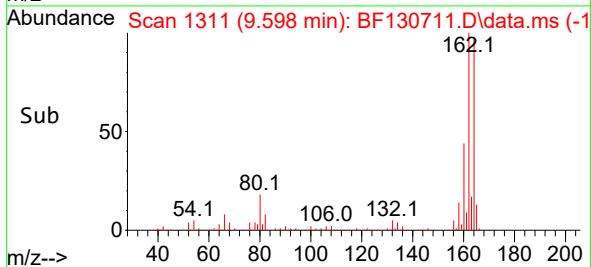
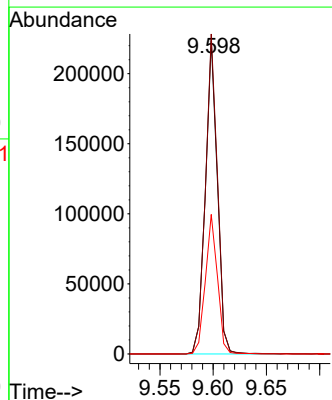
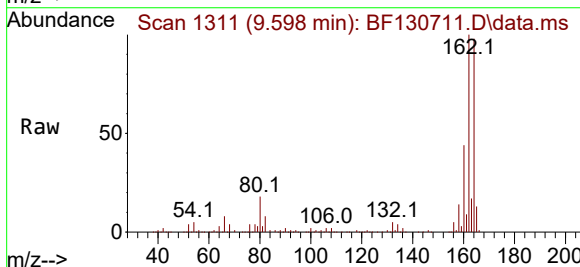
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013

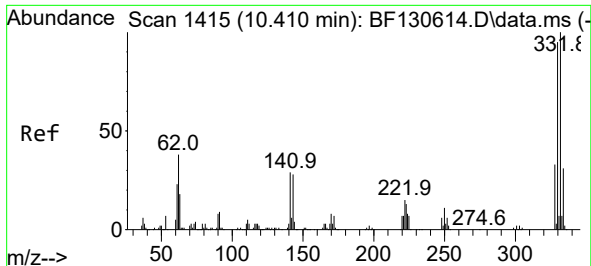
Tgt Ion: 82 Resp: 611171
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.598 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

Tgt Ion:164 Resp: 175985
Ion Ratio Lower Upper
164 100
162 102.1 81.0 121.4
160 44.5 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 171.071 ng

RT: 10.392 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF130711.D

Acq: 19 Oct 2022 15:19

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013

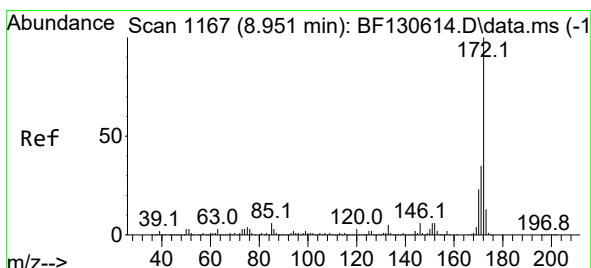
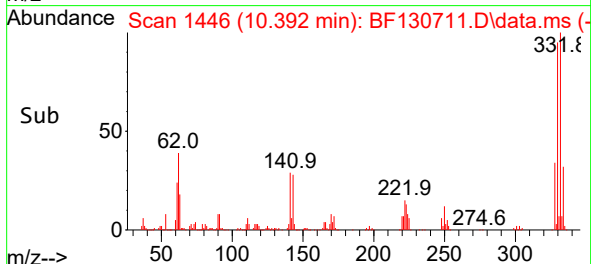
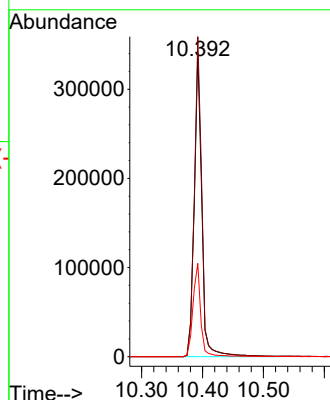
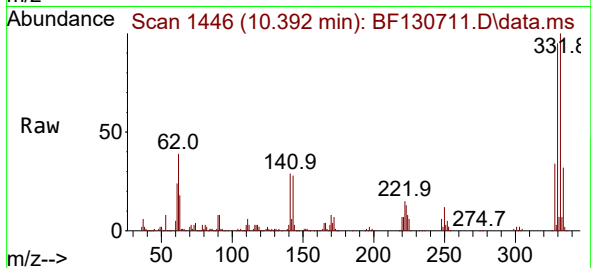
Tgt Ion:330 Resp: 294585

Ion Ratio Lower Upper

330 100

332 104.8 84.2 126.4

141 31.7 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 88.648 ng

RT: 8.928 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF130711.D

Acq: 19 Oct 2022 15:19

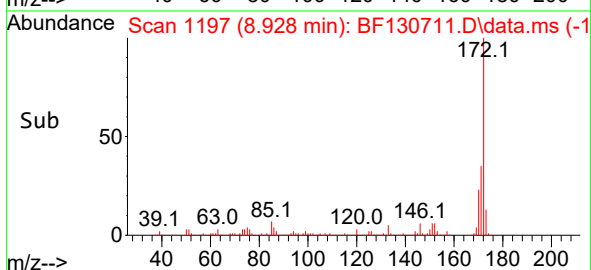
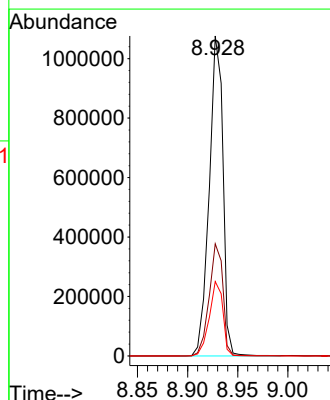
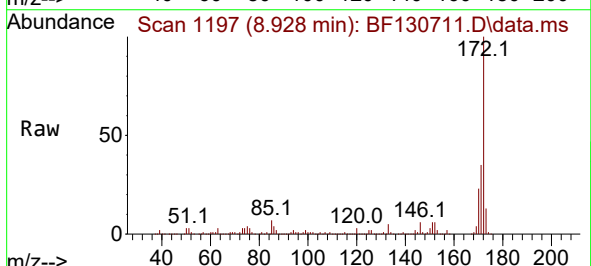
Tgt Ion:172 Resp: 1029919

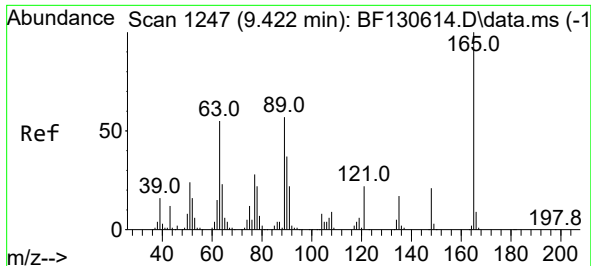
Ion Ratio Lower Upper

172 100

171 35.1 27.8 41.8

170 23.2 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.668 ng

RT: 9.598 min Scan# 1311

Delta R.T. 0.188 min

Lab File: BF130711.D

Acq: 19 Oct 2022 15:19

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013

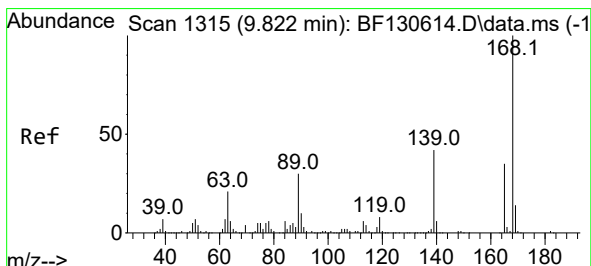
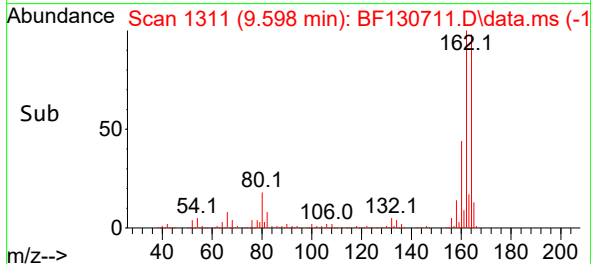
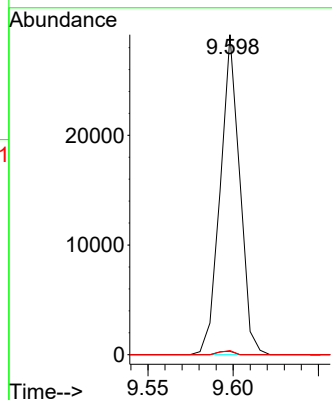
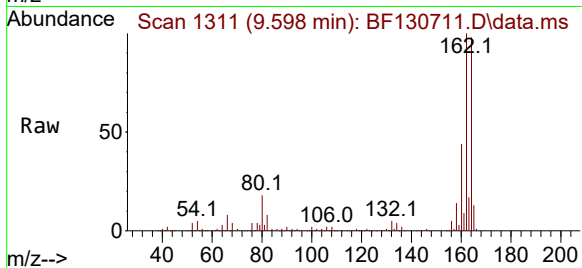
Tgt Ion:165 Resp: 23164

Ion Ratio Lower Upper

165 100

63 1.0 45.3 67.9#

89 1.3 45.6 68.4#



#57

2,4-Dinitrotoluene

Concen: 6.745 ng

RT: 9.598 min Scan# 1311

Delta R.T. -0.218 min

Lab File: BF130711.D

Acq: 19 Oct 2022 15:19

Tgt Ion:165 Resp: 23164

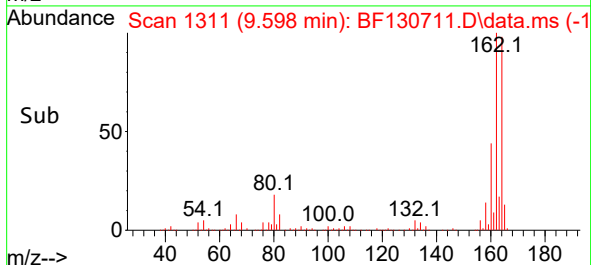
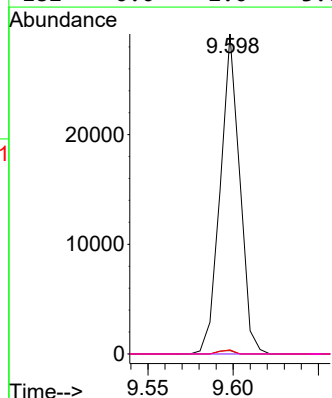
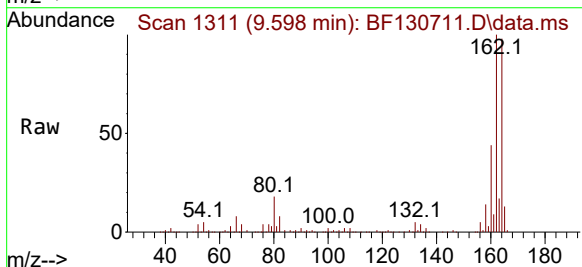
Ion Ratio Lower Upper

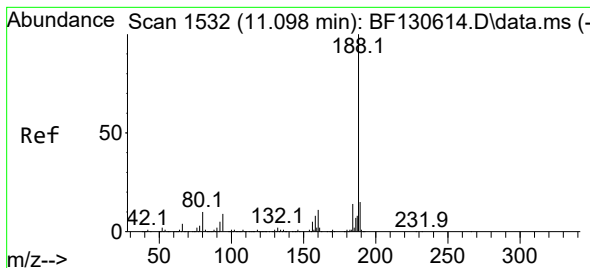
165 100

63 1.0 50.6 76.0#

89 1.3 68.6 102.8#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130711.D

Acq: 19 Oct 2022 15:19

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HAS-SOIL-1013

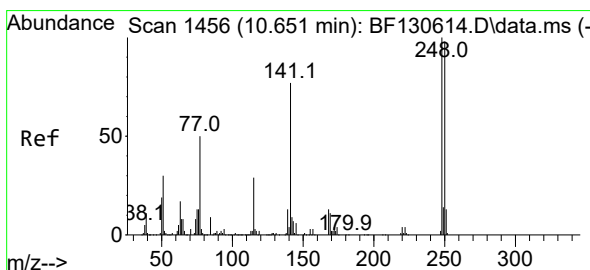
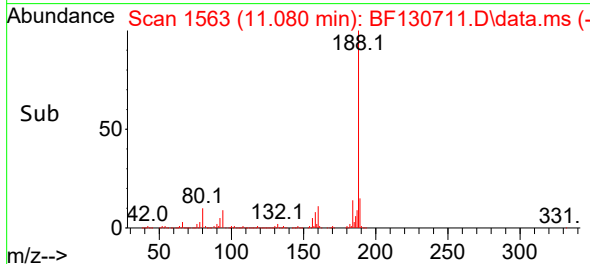
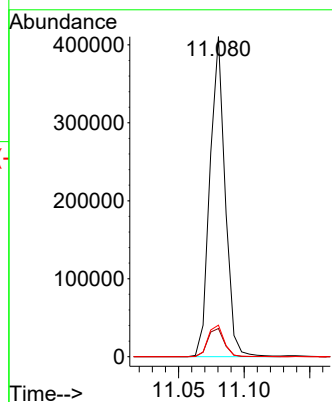
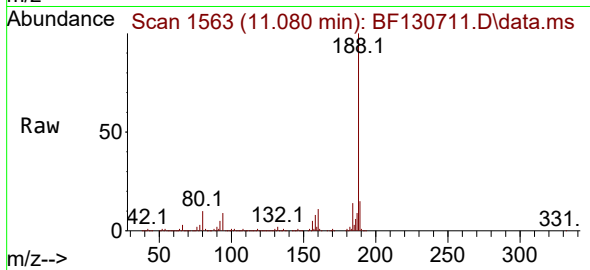
Tgt Ion:188 Resp: 331291

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

80 9.8 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.545 ng

RT: 10.392 min Scan# 1446

Delta R.T. -0.247 min

Lab File: BF130711.D

Acq: 19 Oct 2022 15:19

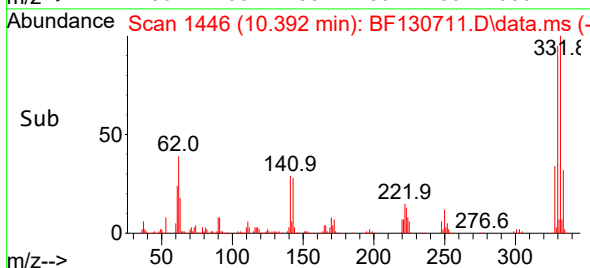
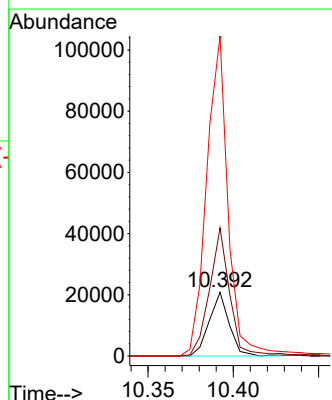
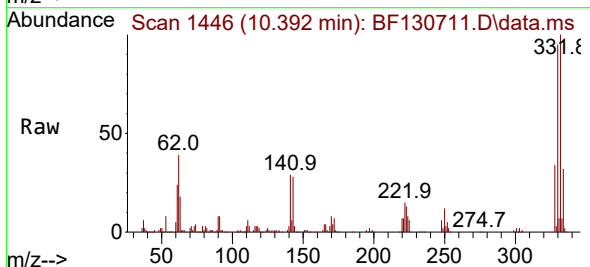
Tgt Ion:248 Resp: 17037

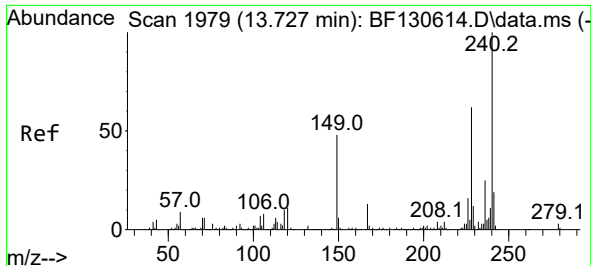
Ion Ratio Lower Upper

248 100

250 201.0 78.7 118.1#

141 501.9 61.6 92.4#

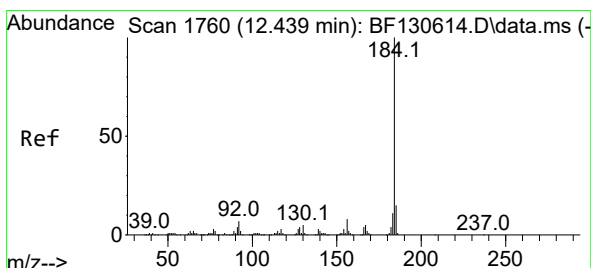
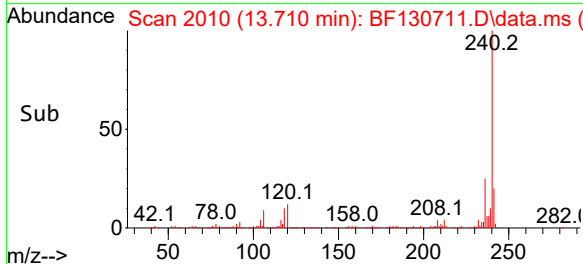
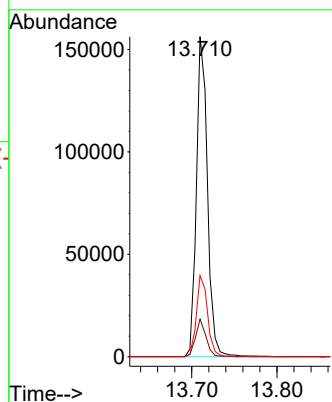
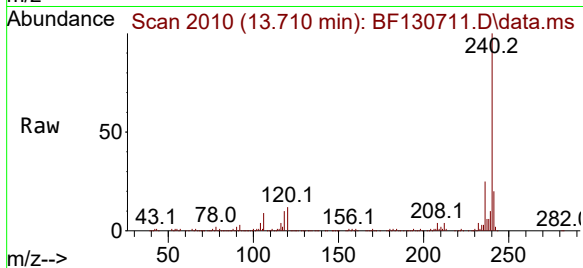




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

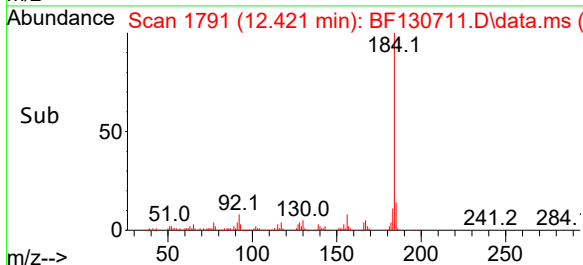
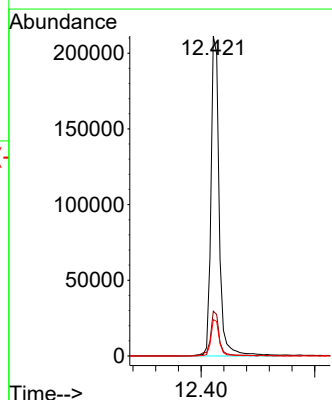
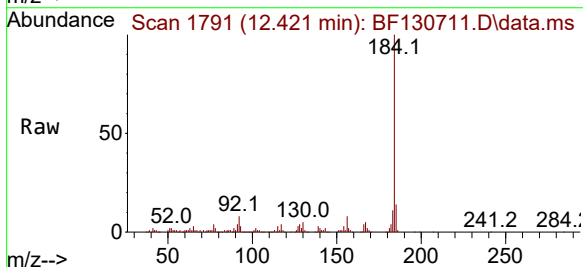
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013

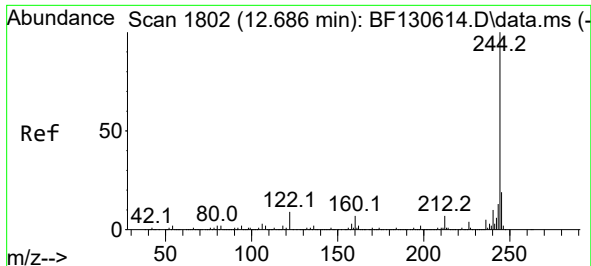
Tgt Ion:240 Resp: 140784
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 25.4 20.2 30.4



#77
Benzidine
Concen: 59.630 ng
RT: 12.421 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF130711.D
Acq: 19 Oct 2022 15:19

Tgt Ion:184 Resp: 212193
Ion Ratio Lower Upper
184 100
185 14.0 12.0 18.0
183 11.3 9.0 13.4

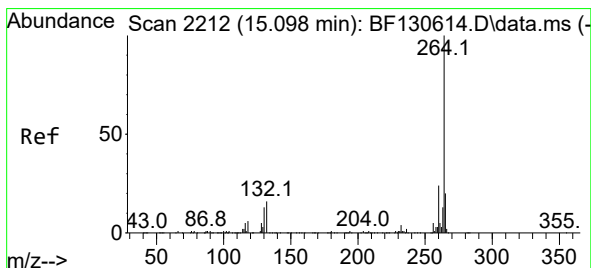
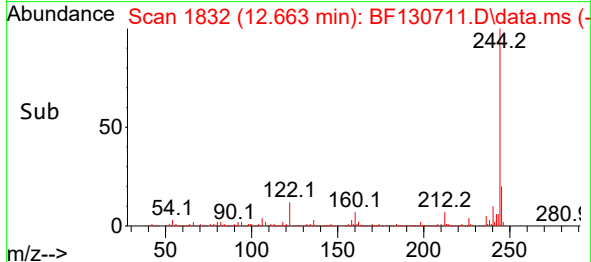
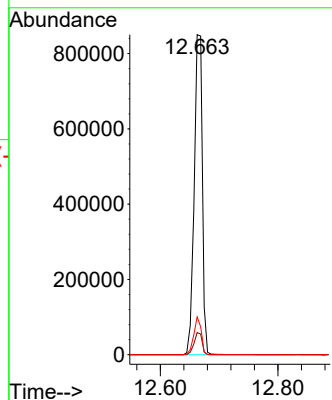
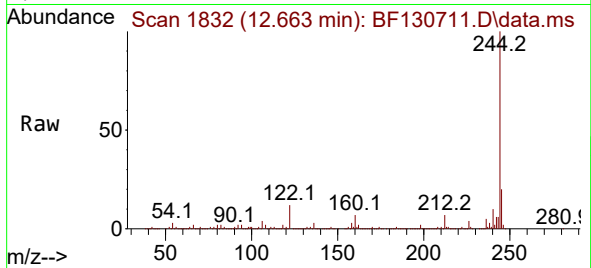




#79
 Terphenyl-d14
 Concen: 95.984 ng
 RT: 12.663 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130711.D
 Acq: 19 Oct 2022 15:19

Instrument :
 BNA_F
 ClientSampleId :
 HAS-SOIL-1013

Tgt Ion:244 Resp: 814171
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.8 7.5 11.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.086 min Scan# 2244
 Delta R.T. -0.000 min
 Lab File: BF130711.D
 Acq: 19 Oct 2022 15:19

Tgt Ion:264 Resp: 184013
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 20.9 16.4 24.6

