

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135389.D
 Acq On : 21 Sep 2023 19:48
 Operator : CG\JU
 Sample : 04474-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOIL

Quant Time: Sep 22 05:59:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

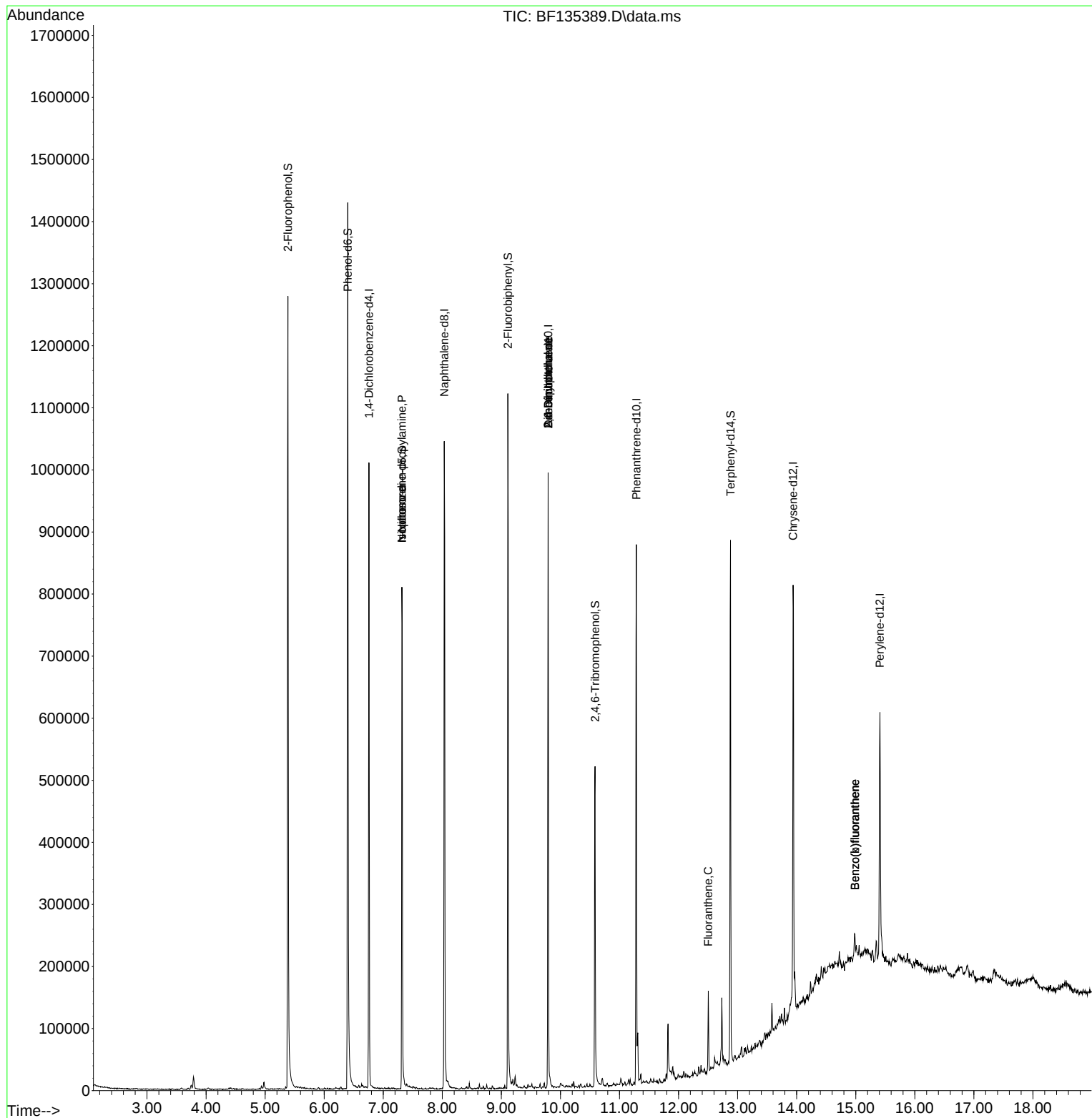
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	131851	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	462368	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	184187	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	317387	20.000	ng	0.00
76) Chrysene-d12	13.939	240	237412	20.000	ng	0.00
86) Perylene-d12	15.410	264	192851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	365004	45.025	ng	0.00
7) Phenol-d6	6.398	99	455451	44.184	ng	0.00
23) Nitrobenzene-d5	7.316	82	251845	29.592	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	60191	32.885	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	358861	29.395	ng	-0.02
79) Terphenyl-d14	12.880	244	288832	18.859	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.316	70	32734	5.127	ng	# 80
25) Isophorone	7.316	82	251842	16.115	ng	# 65
50) Dimethylphthalate	9.792	163	35384	2.841	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	23964	8.784	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	23964	7.017	ng	# 19
75) Fluoranthene	12.504	202	47391	3.030	ng	98
88) Benzo(b)fluoranthene	14.986	252	29231	2.800	ng	# 85
89) Benzo(k)fluoranthene	14.986	252	29231	2.834	ng	# 85

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

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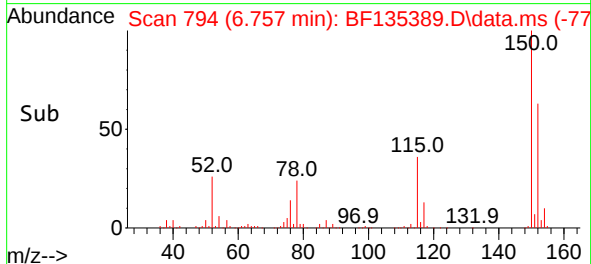
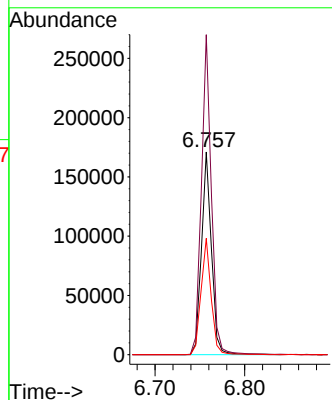
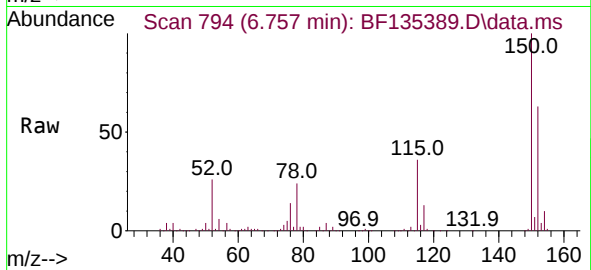




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

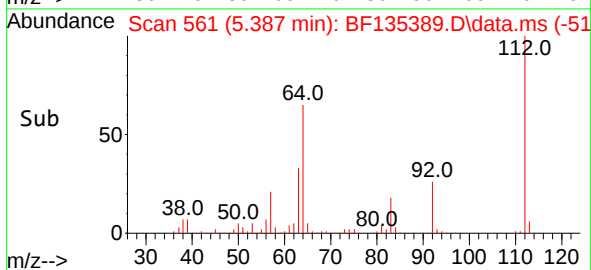
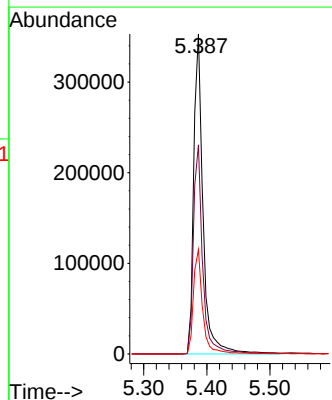
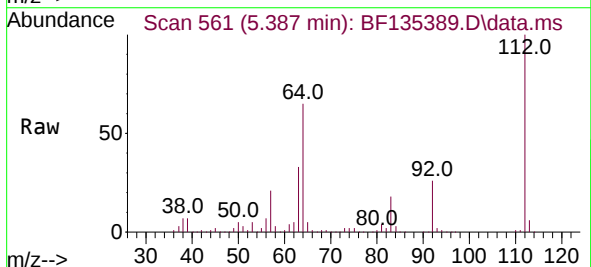
Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

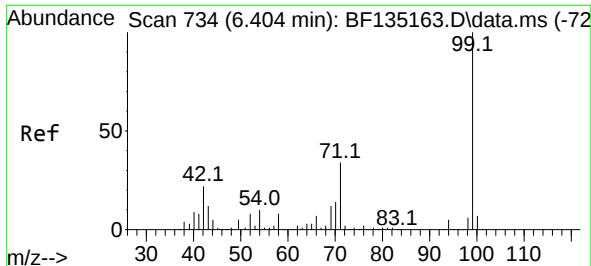
Tgt Ion:152 Resp: 131851
Ion Ratio Lower Upper
152 100
150 157.9 127.8 191.6
115 57.4 49.8 74.8



#5
2-Fluorophenol
Concen: 45.025 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:112 Resp: 365004
Ion Ratio Lower Upper
112 100
64 65.4 55.9 83.9
63 32.6 29.0 43.6

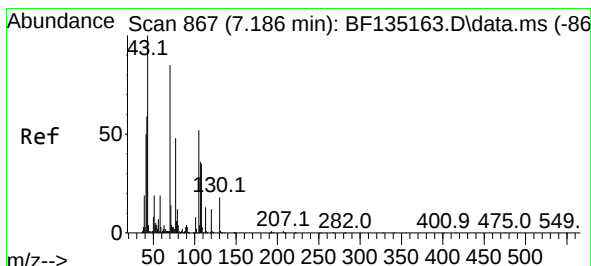
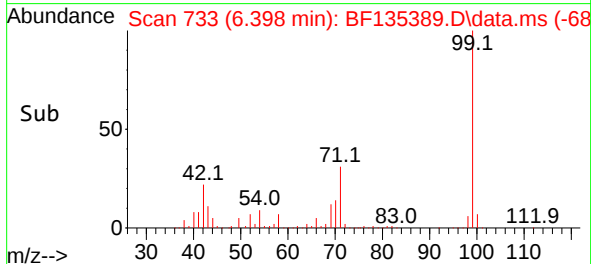
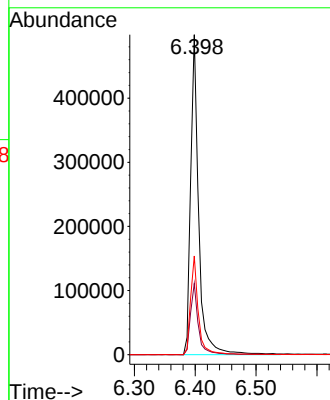
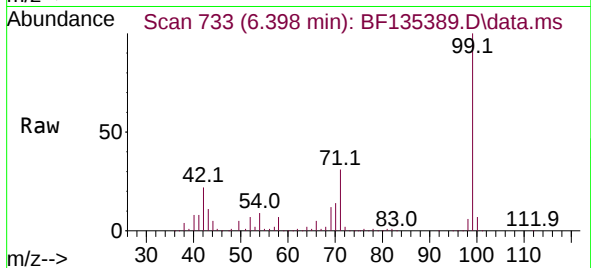




#7
Phenol-d6
Concen: 44.184 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

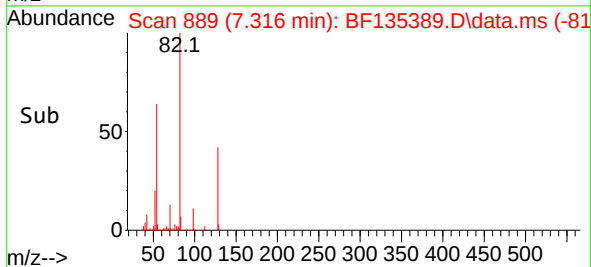
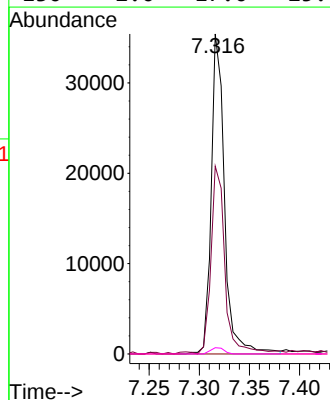
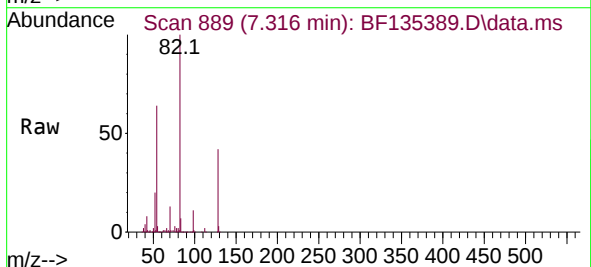
Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

Tgt Ion: 99 Resp: 455451
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 30.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.127 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.130 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion: 70 Resp: 32734
Ion Ratio Lower Upper
70 100
42 58.7 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

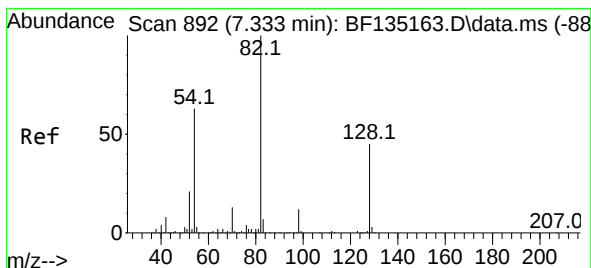
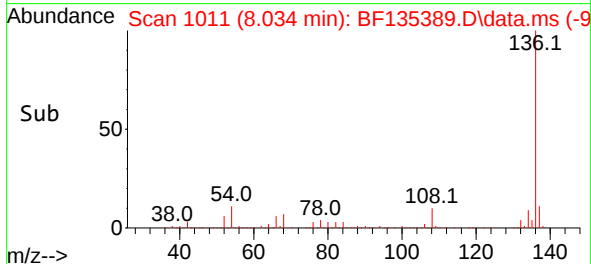
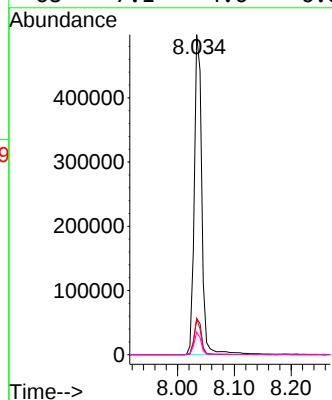
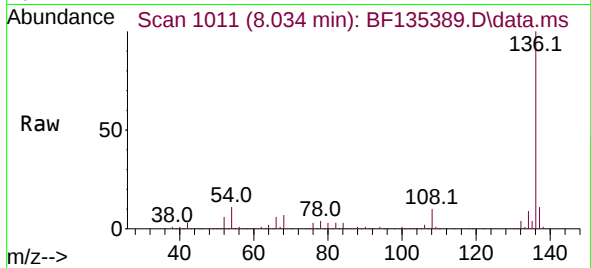




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

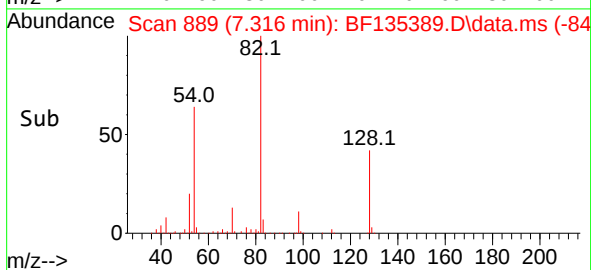
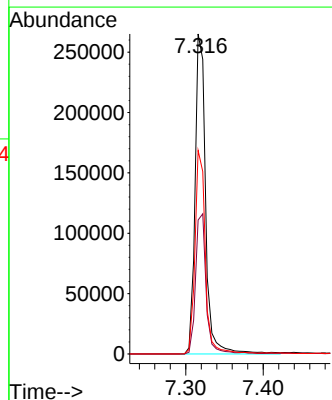
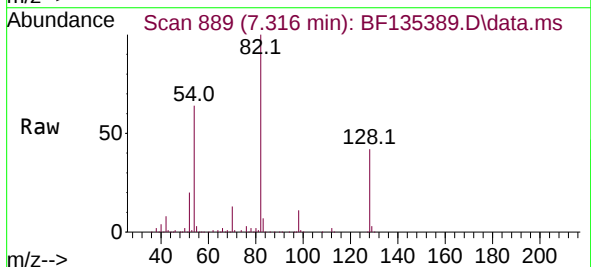
Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

Tgt Ion:136 Resp: 462368
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.2 7.7 11.5
68 7.1 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 29.592 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.018 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion: 82 Resp: 251845
Ion Ratio Lower Upper
82 100
128 41.8 35.8 53.6
54 63.6 50.6 76.0

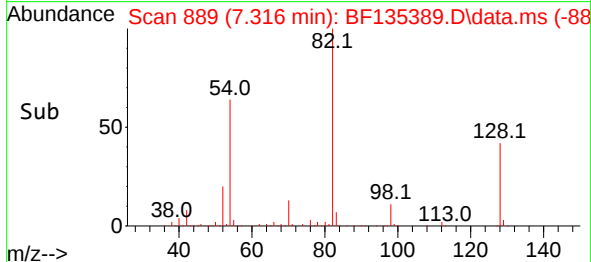
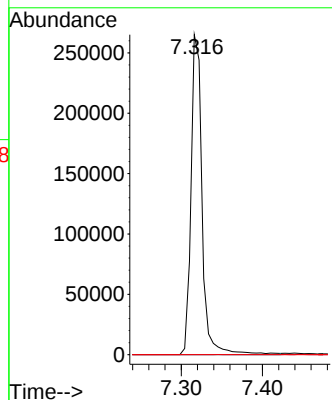
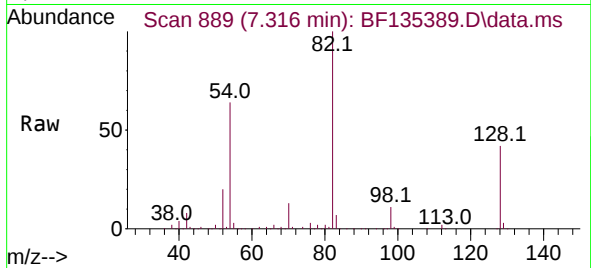




#25
Isophorone
Concen: 16.115 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

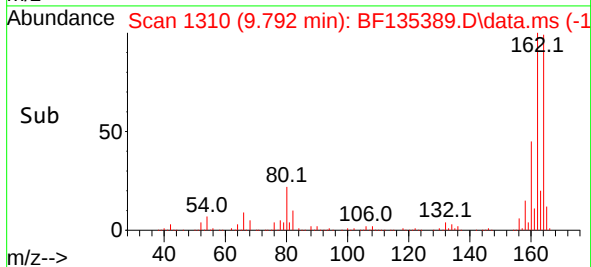
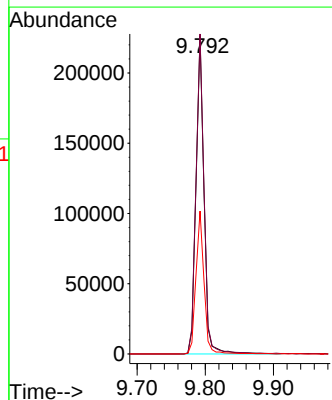
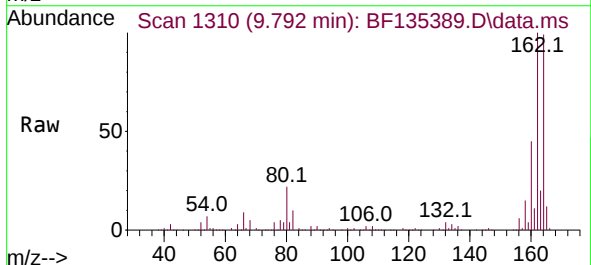
Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

Tgt Ion: 82 Resp: 251842
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion: 164 Resp: 184187
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 45.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 32.885 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135389.D

Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

H-2313-SOIL

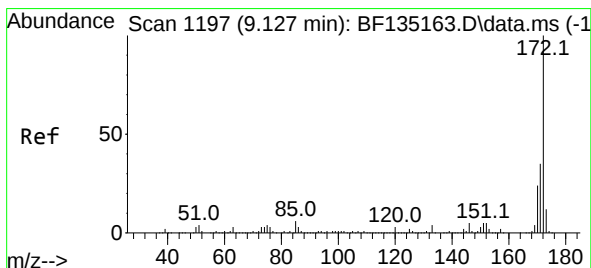
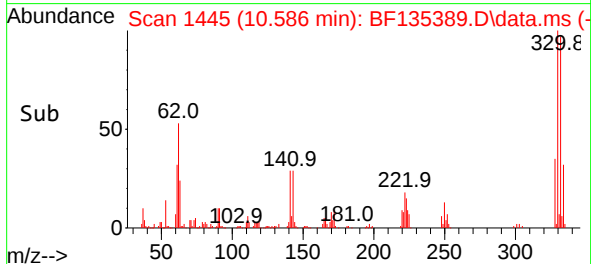
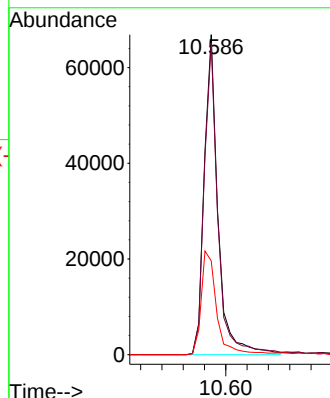
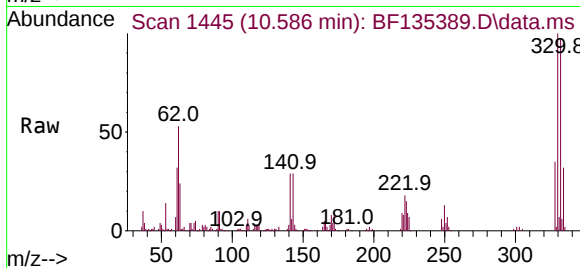
Tgt Ion:330 Resp: 60191

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 37.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 29.395 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.018 min

Lab File: BF135389.D

Acq: 21 Sep 2023 19:48

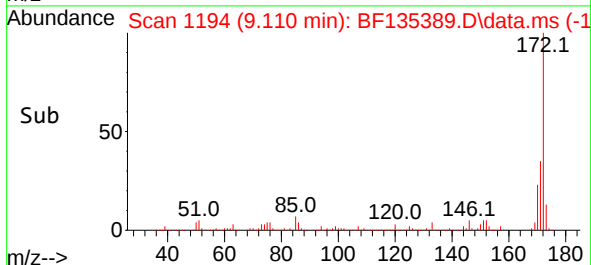
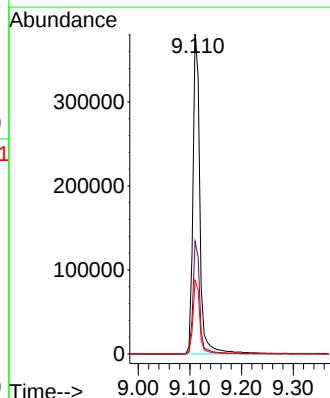
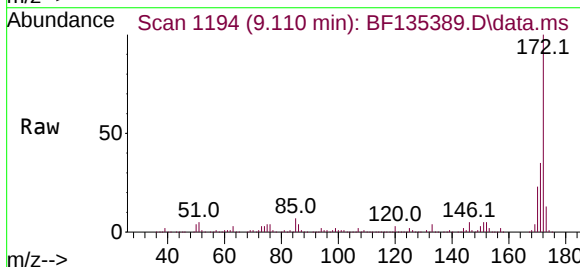
Tgt Ion:172 Resp: 358861

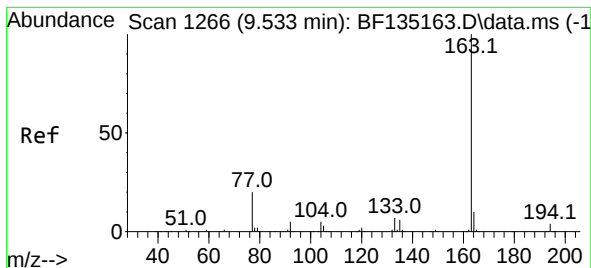
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.1 19.0 28.4





#50

Dimethylphthalate

Concen: 2.841 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.259 min

Lab File: BF135389.D

Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

H-2313-SOIL

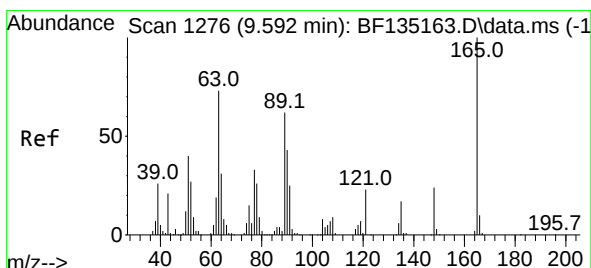
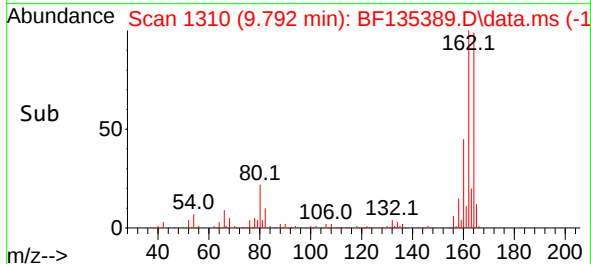
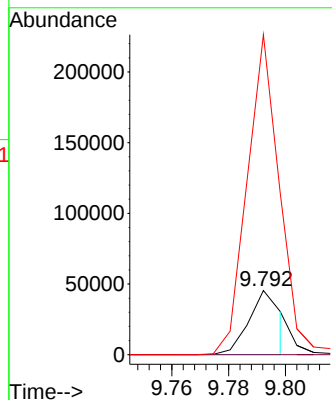
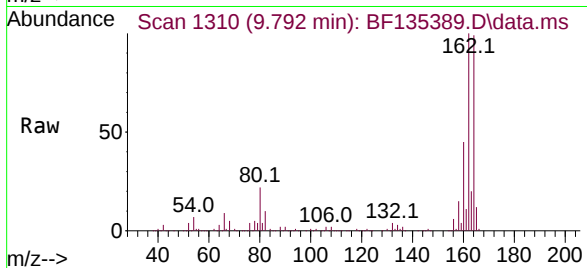
Tgt Ion:163 Resp: 35384

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 498.4 8.1 12.1#



#51

2,6-Dinitrotoluene

Concen: 8.784 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.200 min

Lab File: BF135389.D

Acq: 21 Sep 2023 19:48

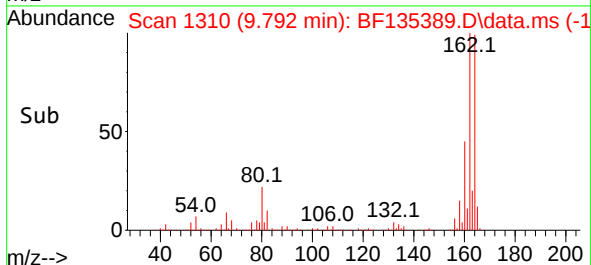
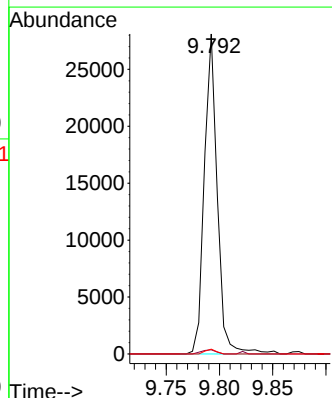
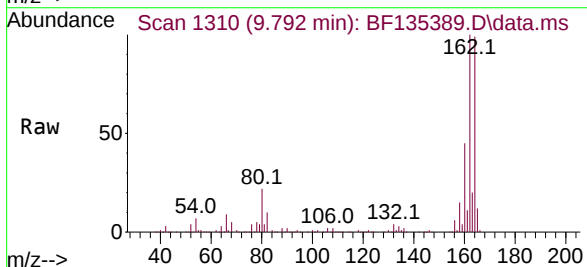
Tgt Ion:165 Resp: 23964

Ion Ratio Lower Upper

165 100

63 1.3 59.4 89.2#

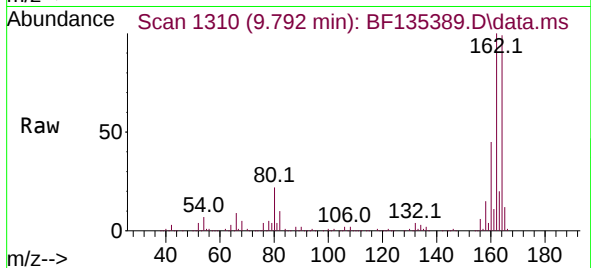
89 1.5 49.8 74.8#



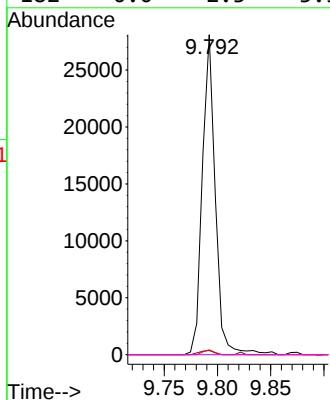
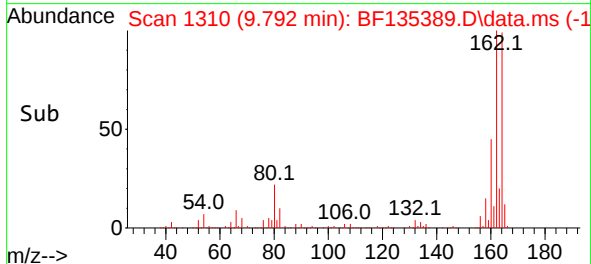


#57
2,4-Dinitrotoluene
Concen: 7.017 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

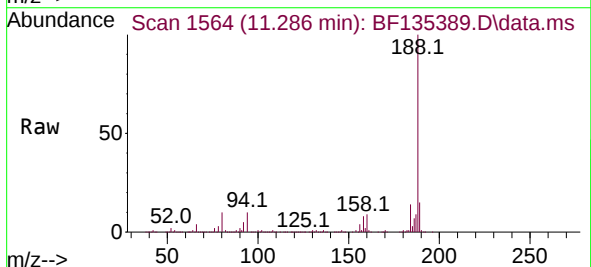
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BNA_F
ClientSampleId :
H-2313-SOIL



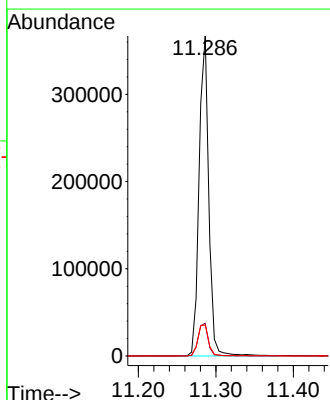
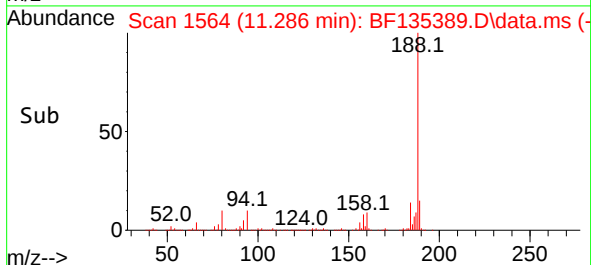
Tgt Ion:165 Resp: 23964
Ion Ratio Lower Upper
165 100
63 1.3 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#

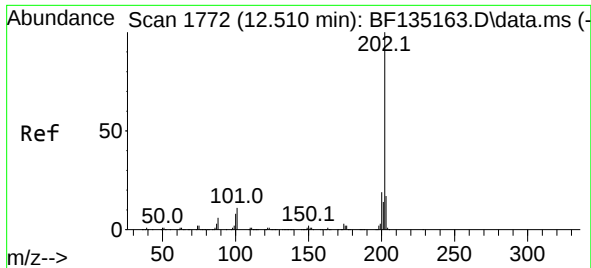


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48



Tgt Ion:188 Resp: 317387
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 9.7 7.5 11.3

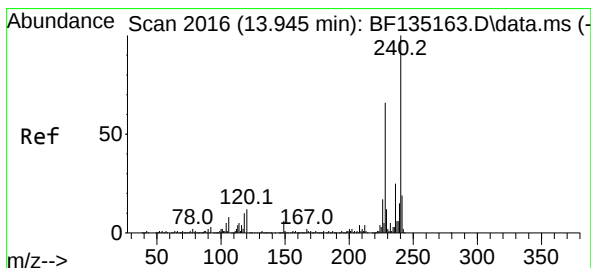
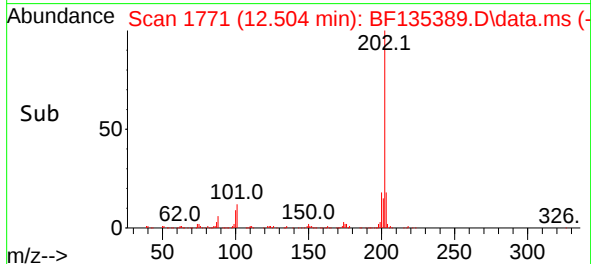
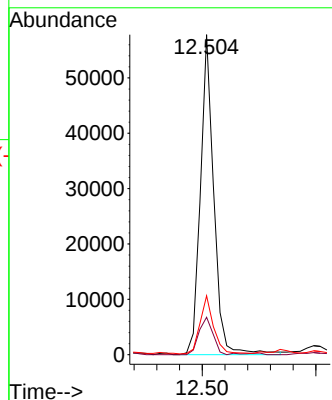
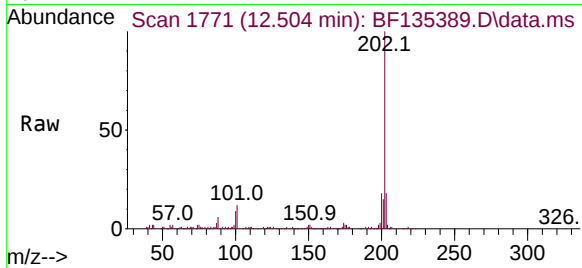




#75
Fluoranthene
Concen: 3.030 ng
RT: 12.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

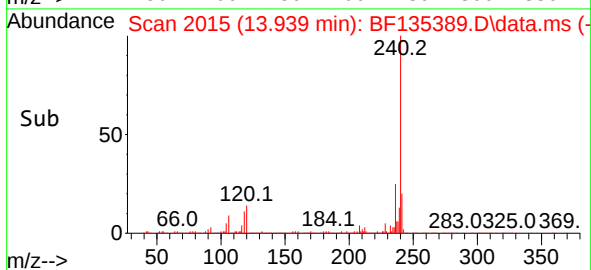
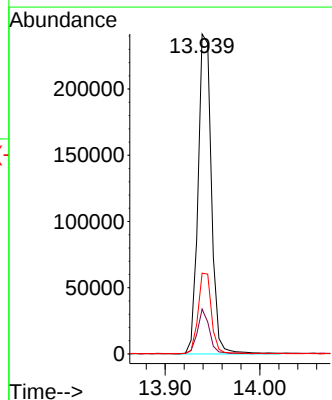
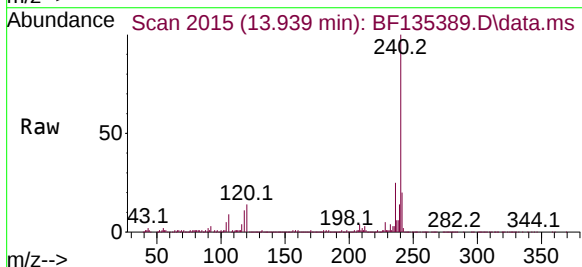
Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

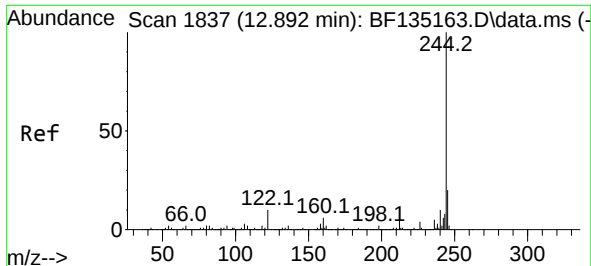
Tgt Ion:202 Resp: 47391
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 18.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:240 Resp: 237412
Ion Ratio Lower Upper
240 100
120 14.0 9.4 14.2
236 25.3 19.8 29.8

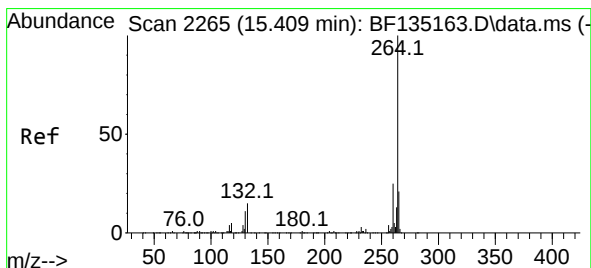
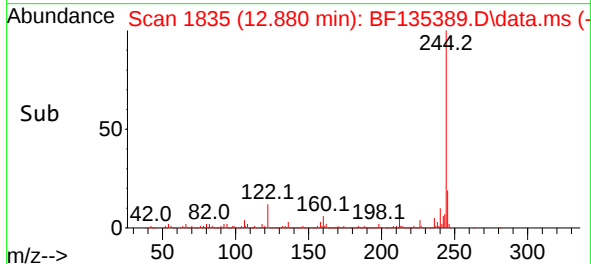
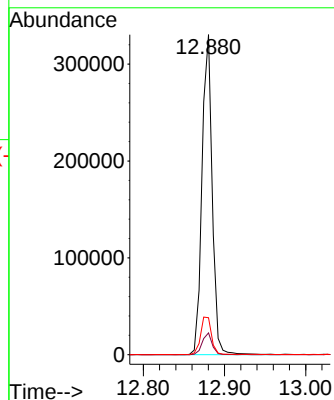
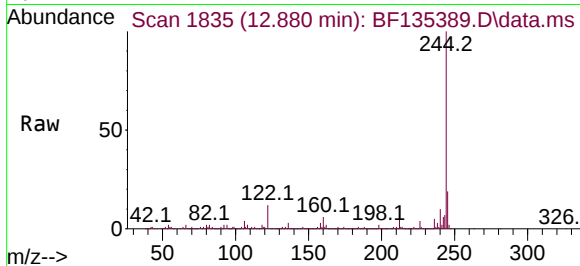




#79
 Terphenyl-d14
 Concen: 18.859 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135389.D
 Acq: 21 Sep 2023 19:48

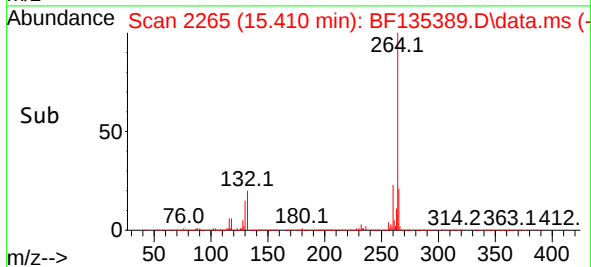
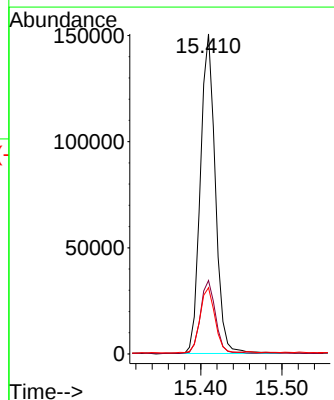
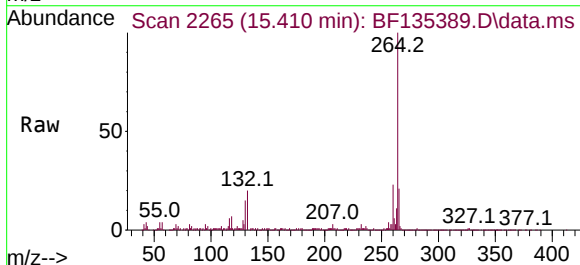
Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOIL

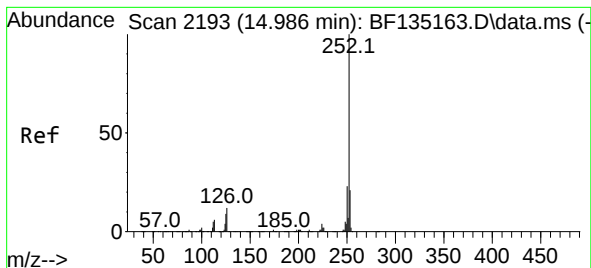
Tgt Ion:244 Resp: 288832
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.6 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: BF135389.D
 Acq: 21 Sep 2023 19:48

Tgt Ion:264 Resp: 192851
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.8 29.6
 265 20.7 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.800 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135389.D

Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

H-2313-SOIL

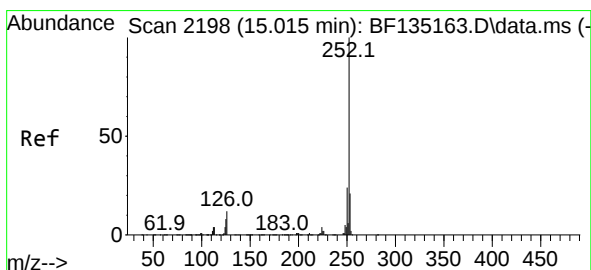
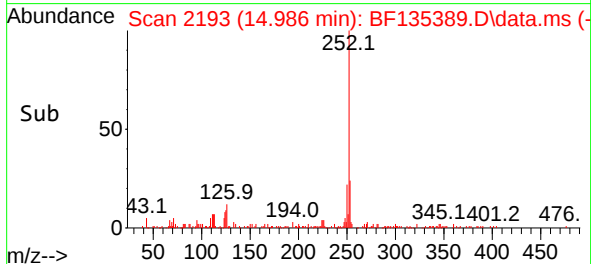
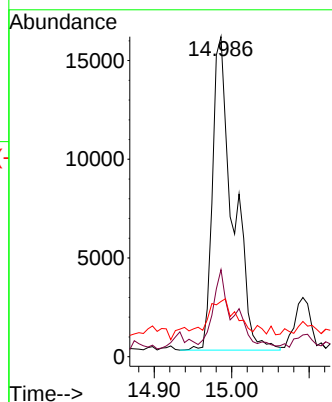
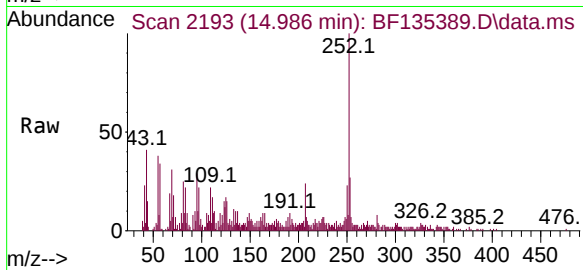
Tgt Ion:252 Resp: 29231

Ion Ratio Lower Upper

252 100

253 27.2 17.2 25.8#

125 17.2 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 2.834 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135389.D

Acq: 21 Sep 2023 19:48

Tgt Ion:252 Resp: 29231

Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.0#

125 17.2 7.2 10.8#

