

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101524\
 Data File : BF139820.D
 Acq On : 15 Oct 2024 18:59
 Operator : RC/JU
 Sample : P4403-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP Soil

Quant Time: Oct 16 05:00:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

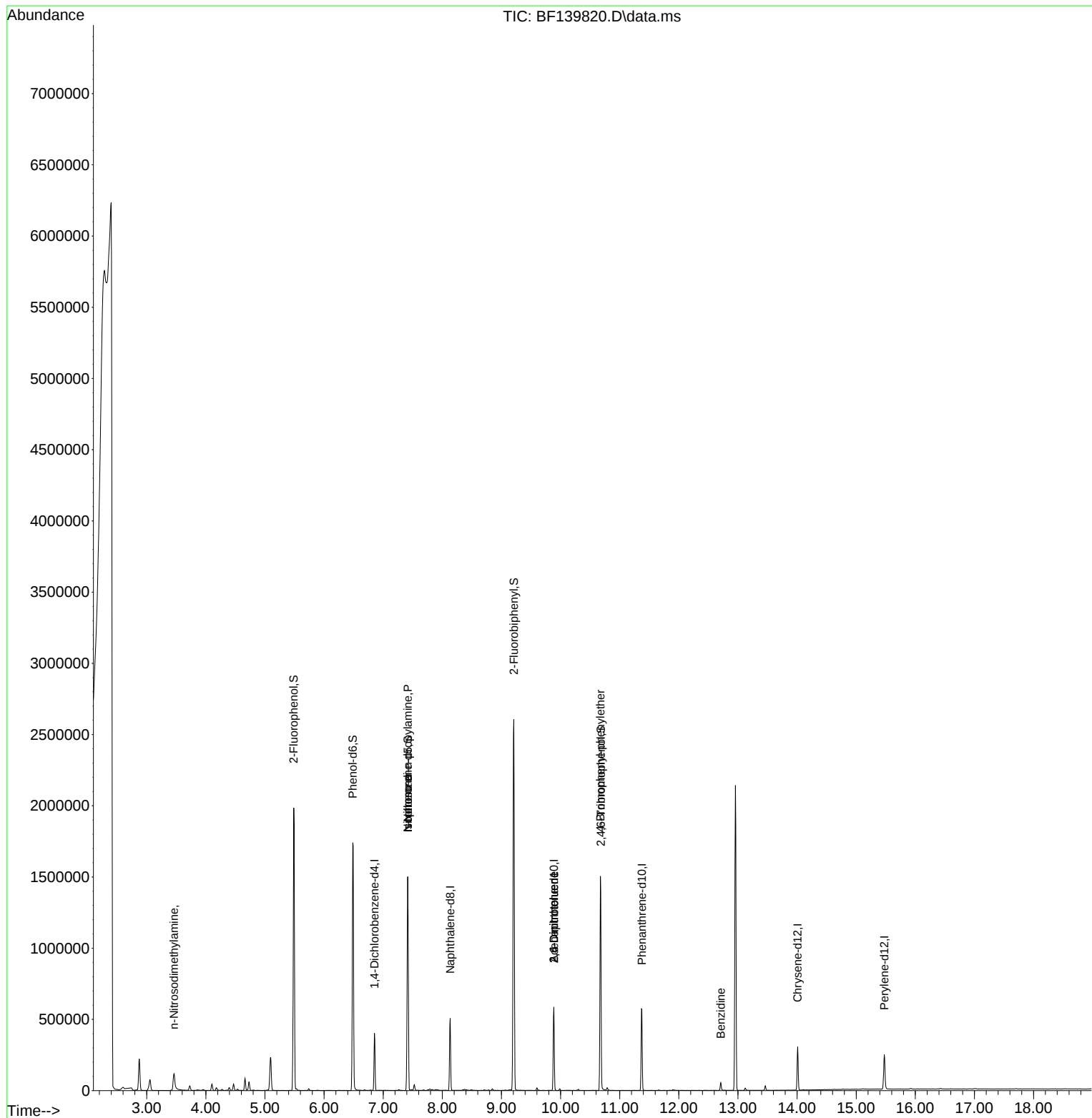
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	82243	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	313413	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	174555	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	313512	20.000	ng	0.00
76) Chrysene-d12	14.010	240	142467	20.000	ng	0.00
86) Perylene-d12	15.474	264	145725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	722862	148.301	ng	0.01
7) Phenol-d6	6.487	99	857258	132.244	ng	0.00
23) Nitrobenzene-d5	7.416	82	680195	111.705	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	242296	164.585	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1222199	104.725	ng	0.00
79) Terphenyl-d14	12.957	244	1059842	-20.000	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.463	42	7345	2.383	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	91307	24.188	ng	# 76
25) Isophorone	7.416	82	679043	65.345	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	22231	9.119	ng	# 22
57) 2,4-Dinitrotoluene	9.886	165	22231	7.386	ng	# 18
67) 4-Bromophenyl-phenylether	10.675	248	16651	4.930	ng	# 1
77) Benzidine	12.710	184	32409	13.618	ng	99

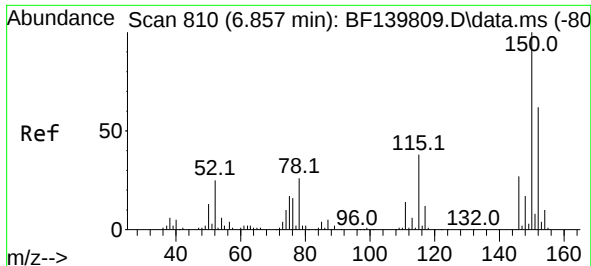
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101524\
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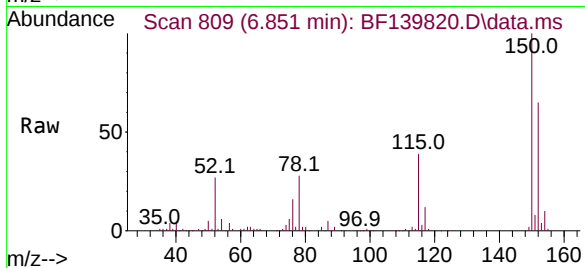
Quant Time: Oct 16 05:00:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
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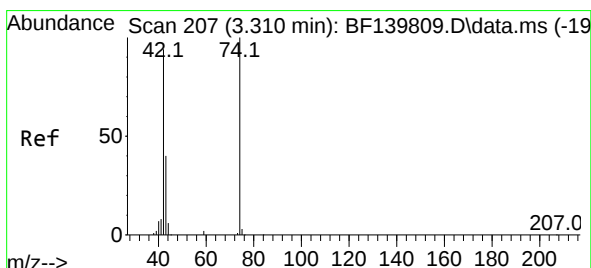
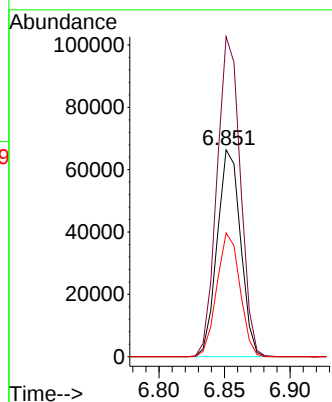
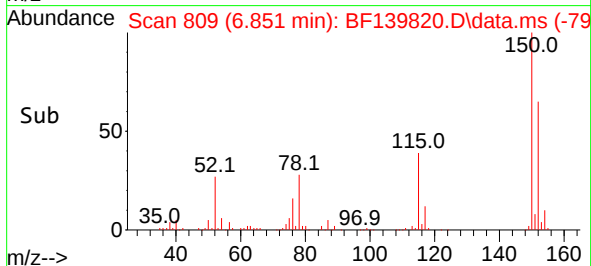


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

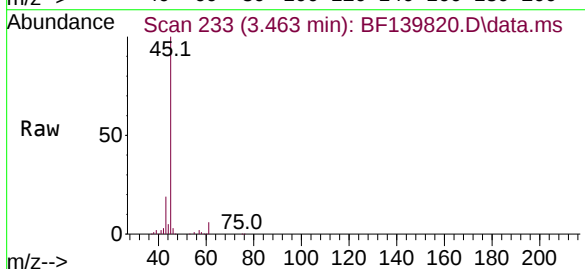
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil



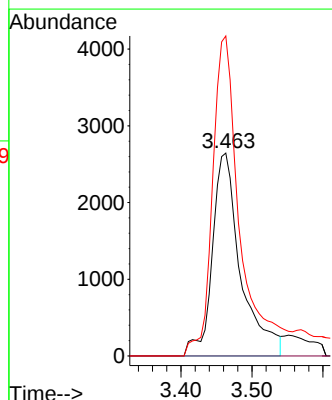
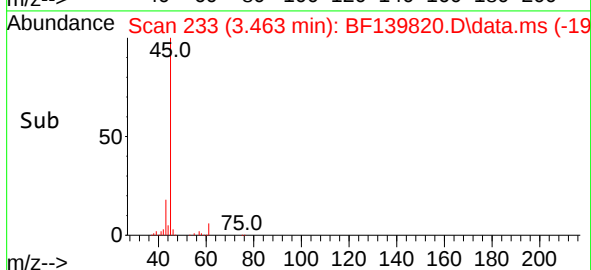
Tgt Ion:152 Resp: 82243
Ion Ratio Lower Upper
152 100
150 154.7 128.2 192.2
115 59.8 48.1 72.1

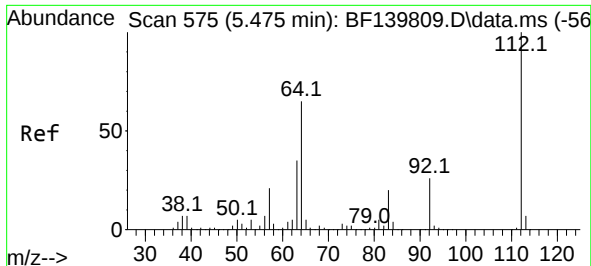


#4
n-Nitrosodimethylamine
Concen: 2.383 ng
RT: 3.463 min Scan# 233
Delta R.T. 0.153 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59



Tgt Ion: 42 Resp: 7345
Ion Ratio Lower Upper
42 100
74 0.0 85.5 128.3#
44 157.7 5.2 7.8#

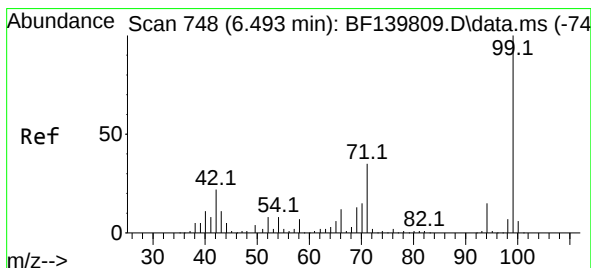
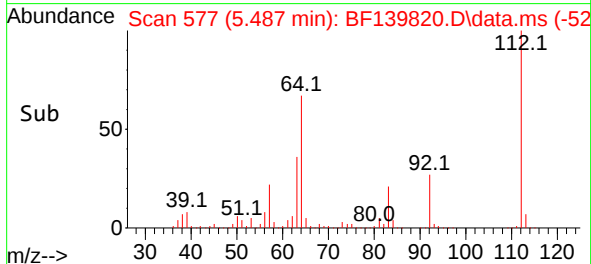
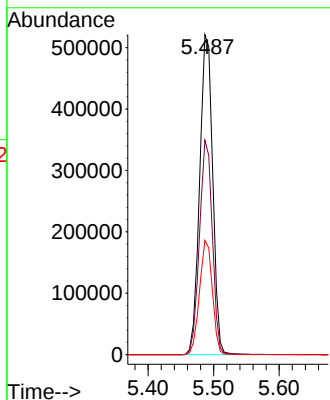
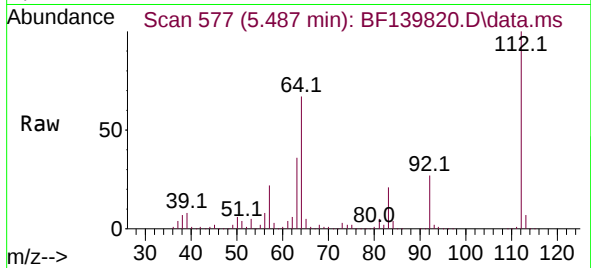




#5
2-Fluorophenol
Concen: 148.301 ng
RT: 5.487 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

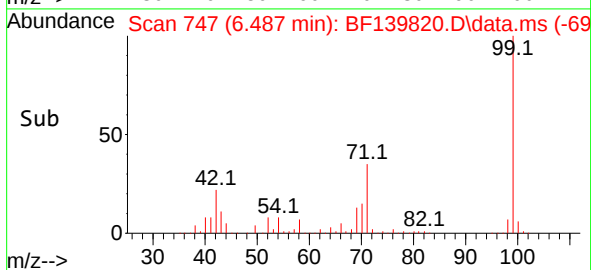
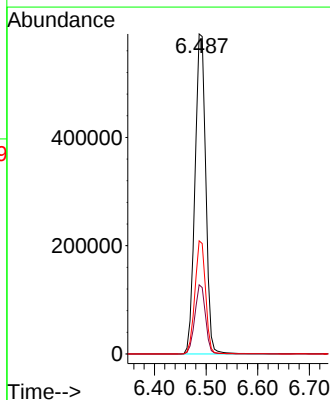
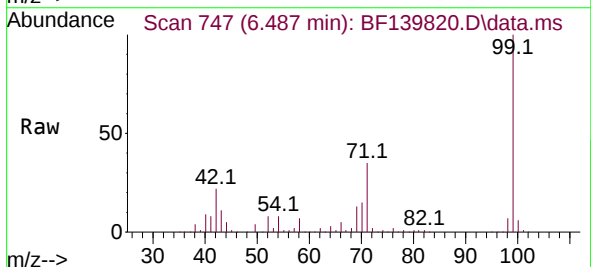
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

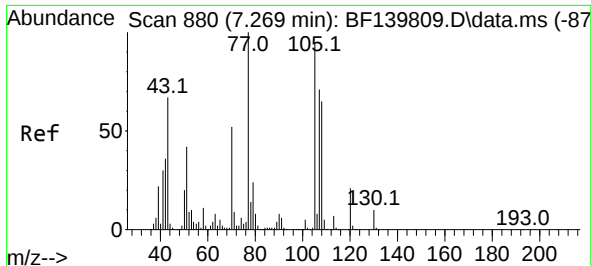
Tgt Ion:112 Resp: 722862
Ion Ratio Lower Upper
112 100
64 67.0 52.1 78.1
63 35.7 27.6 41.4



#7
Phenol-d6
Concen: 132.244 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

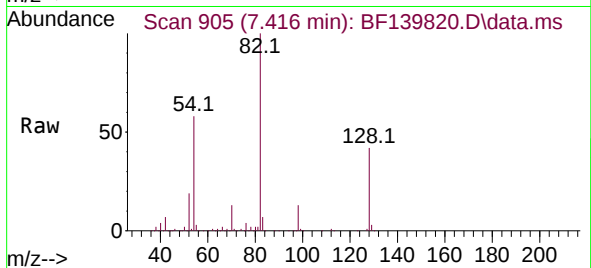
Tgt Ion: 99 Resp: 857258
Ion Ratio Lower Upper
99 100
42 21.6 17.3 25.9
71 35.3 27.8 41.6



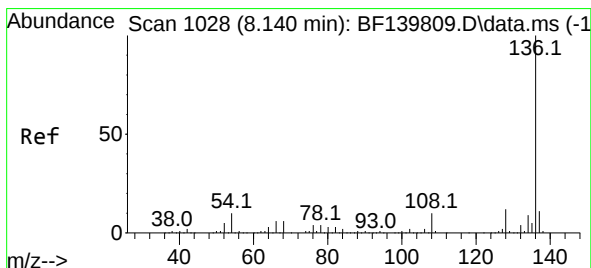
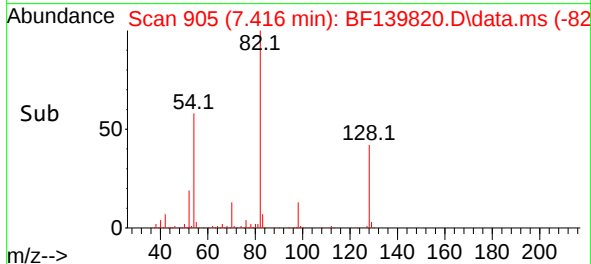
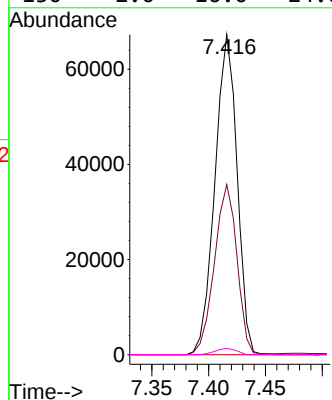


#19
n-Nitroso-di-n-propylamine
Concen: 24.188 ng
RT: 7.416 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

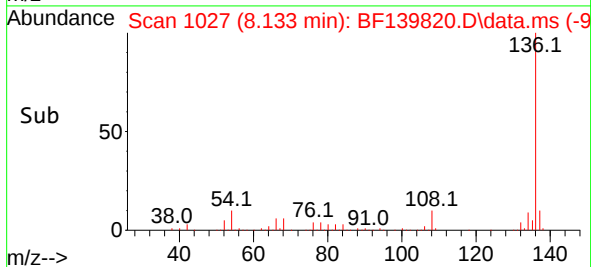
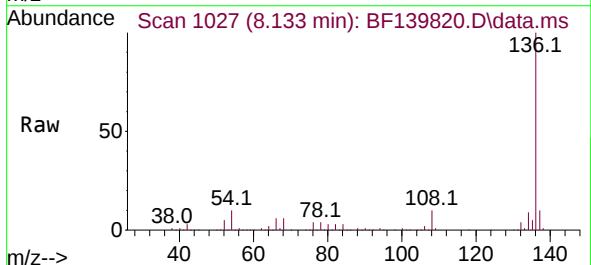
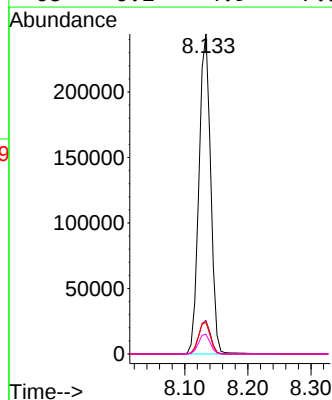


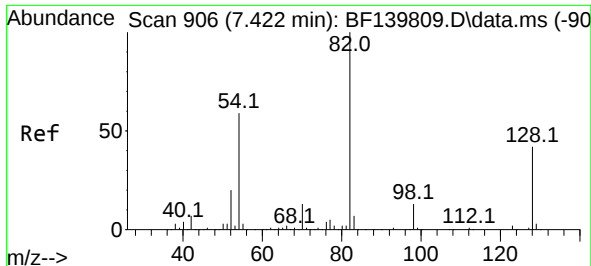
Tgt Ion: 70 Resp: 91307
Ion Ratio Lower Upper
70 100
42 53.2 55.8 83.6#
101 0.0 7.4 11.0#
130 2.0 16.0 24.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Tgt Ion: 136 Resp: 313413
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 9.8 7.7 11.5
68 6.2 4.9 7.3

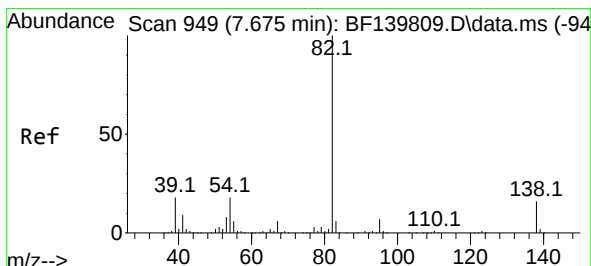
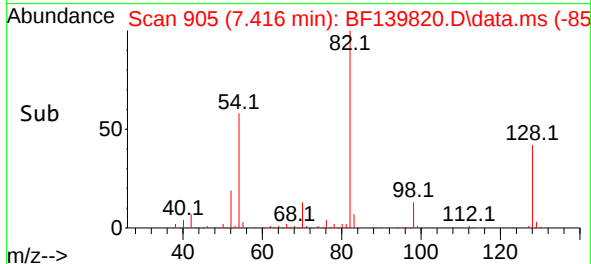
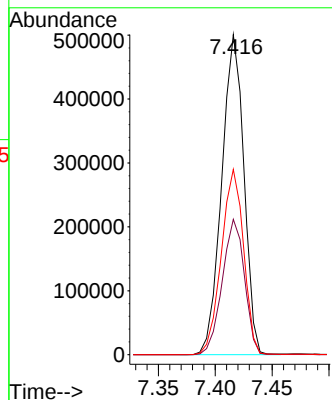
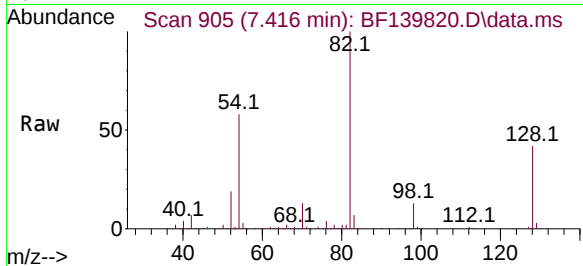




#23
Nitrobenzene-d5
Concen: 111.705 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

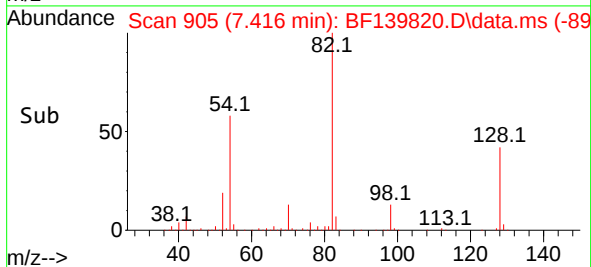
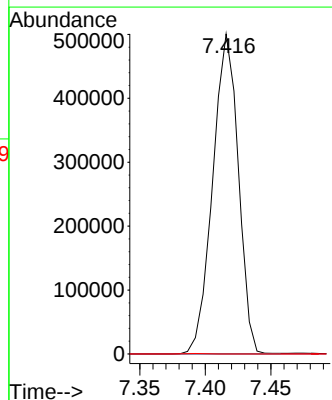
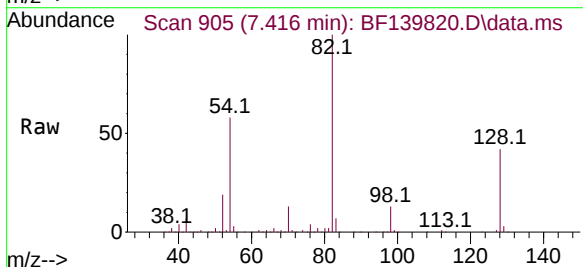
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

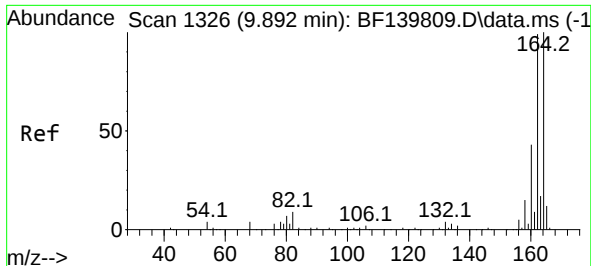
Tgt Ion: 82 Resp: 680195
Ion Ratio Lower Upper
82 100
128 42.3 33.9 50.9
54 57.9 46.9 70.3



#25
Isophorone
Concen: 65.345 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Tgt Ion: 82 Resp: 679043
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139820.D

Acq: 15 Oct 2024 18:59

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP Soil

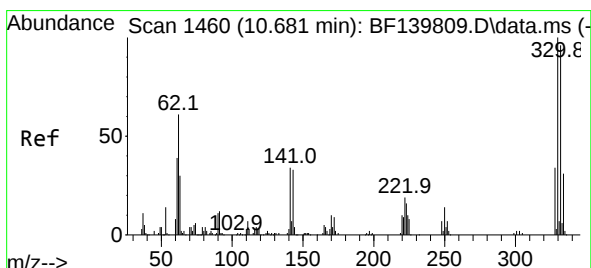
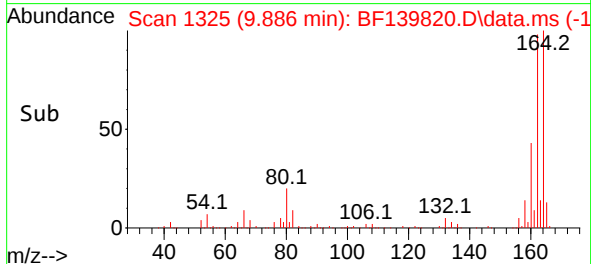
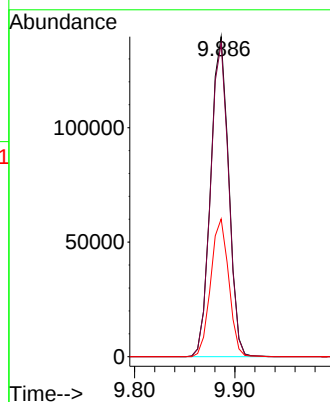
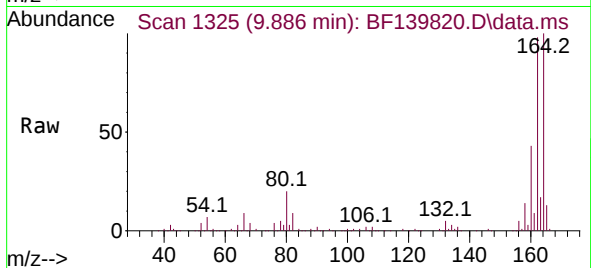
Tgt Ion:164 Resp: 174555

Ion Ratio Lower Upper

164 100

162 97.9 79.1 118.7

160 43.0 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 164.585 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF139820.D

Acq: 15 Oct 2024 18:59

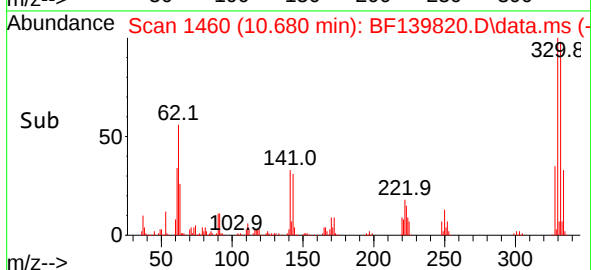
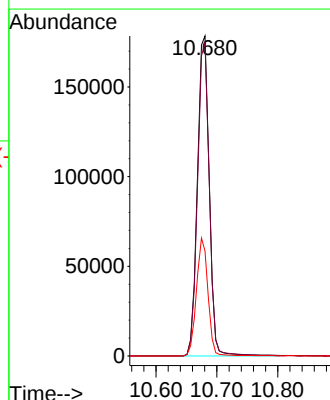
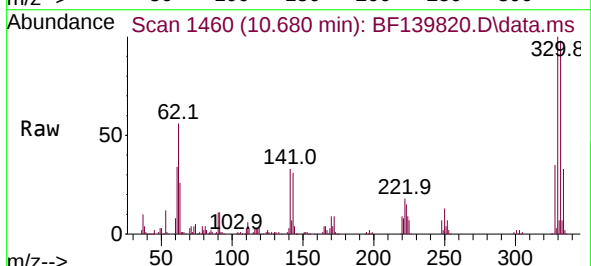
Tgt Ion:330 Resp: 242296

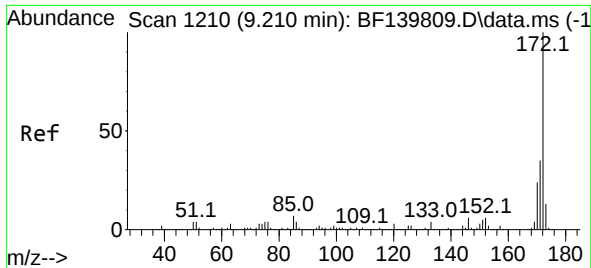
Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

141 35.9 27.8 41.6

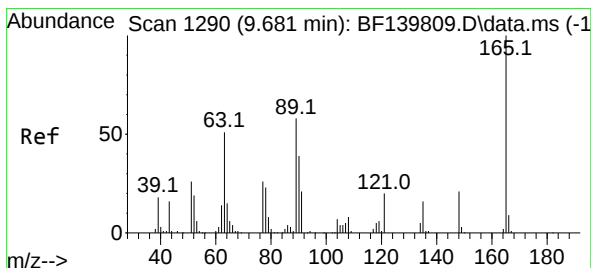
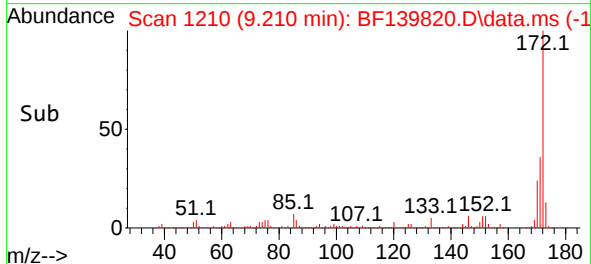
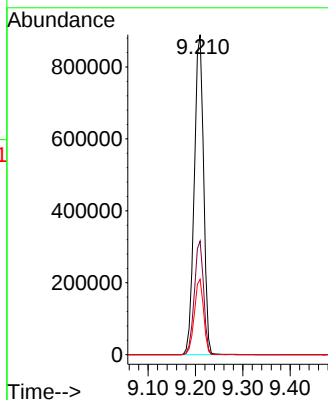
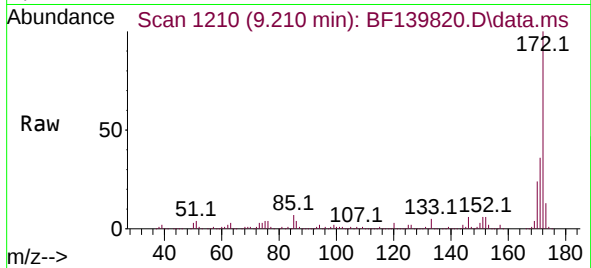




#45
2-Fluorobiphenyl
Concen: 104.725 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

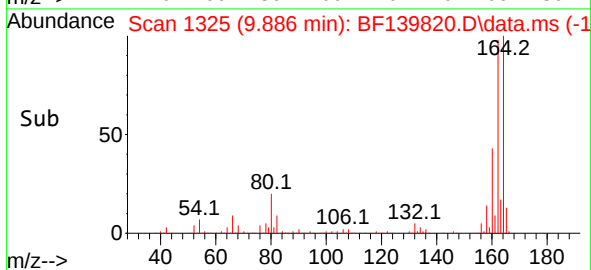
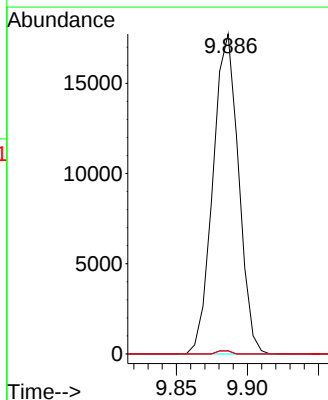
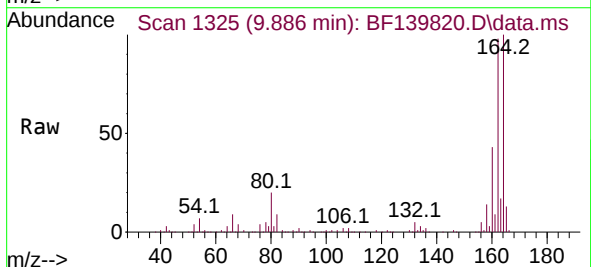
Instrument :
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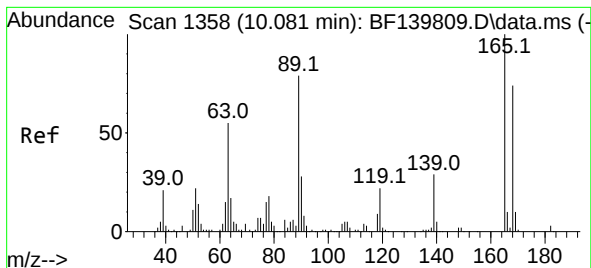
Tgt Ion:172 Resp: 1222199
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.119 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.206 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Tgt Ion:165 Resp: 22231
Ion Ratio Lower Upper
165 100
63 1.0 50.0 75.0#
89 1.0 46.8 70.2#

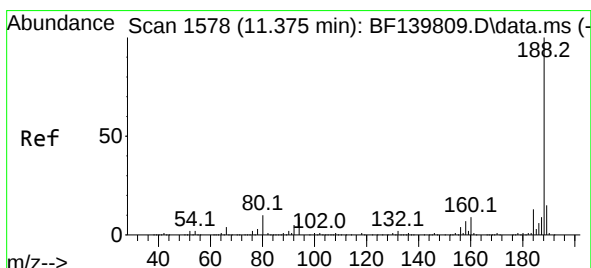
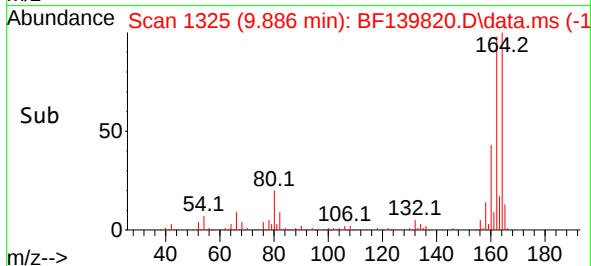
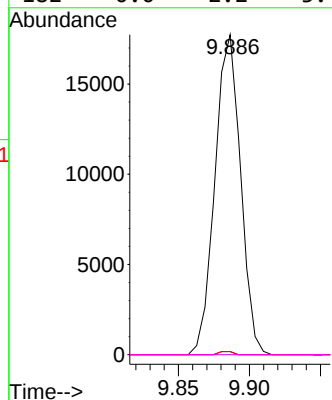
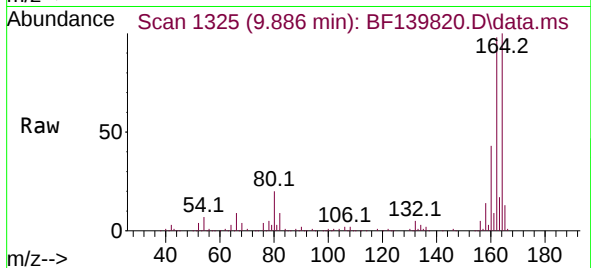




#57
2,4-Dinitrotoluene
Concen: 7.386 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

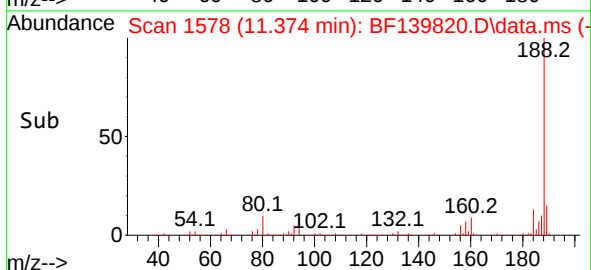
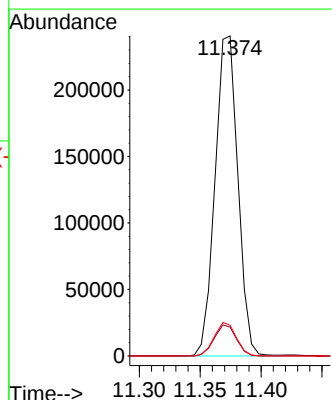
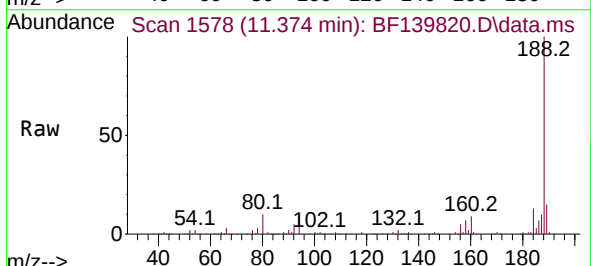
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

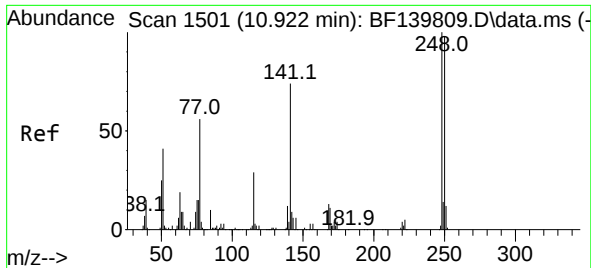
Tgt Ion:165 Resp: 22231
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.0 63.1 94.7#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Tgt Ion:188 Resp: 313512
Ion Ratio Lower Upper
188 100
94 9.0 7.3 10.9
80 9.6 7.8 11.8

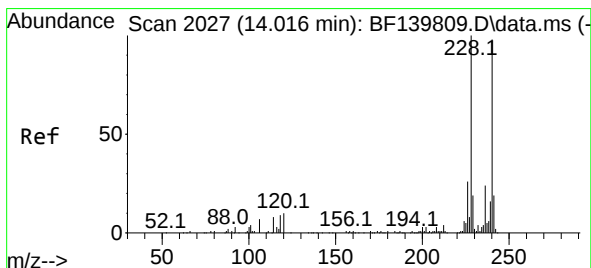
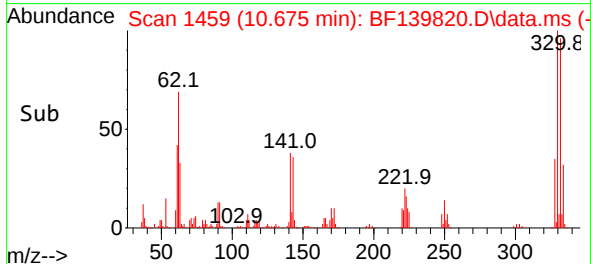
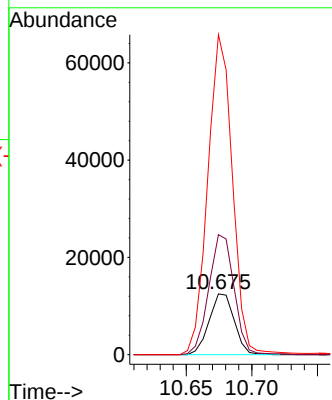
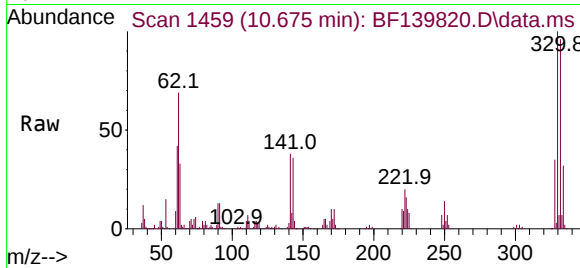




#67
4-Bromophenyl-phenylether
Concen: 4.930 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

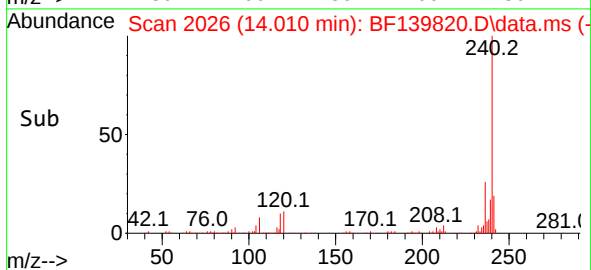
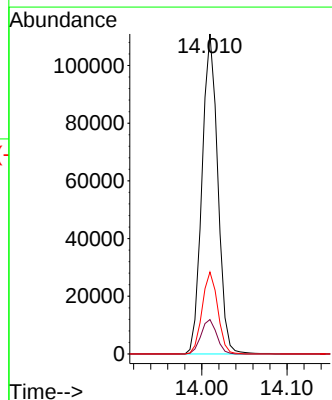
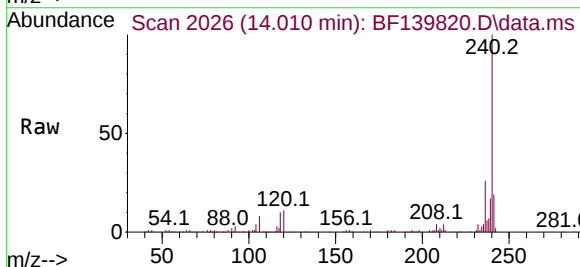
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

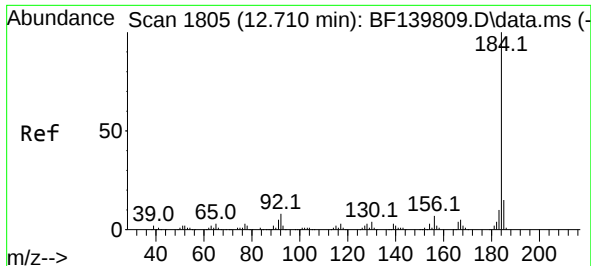
Tgt Ion:248 Resp: 16651
Ion Ratio Lower Upper
248 100
250 197.5 78.7 118.1#
141 526.5 58.9 88.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Tgt Ion:240 Resp: 142467
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 25.6 20.0 30.0

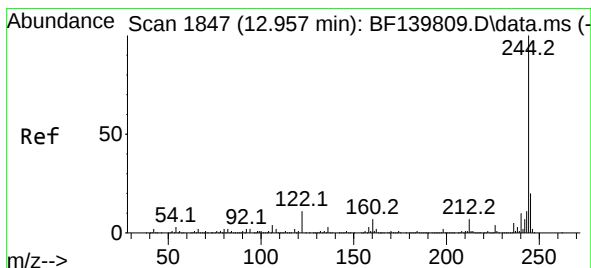
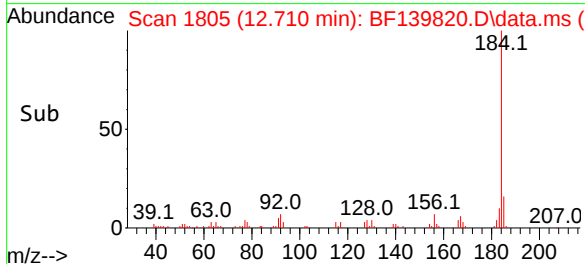
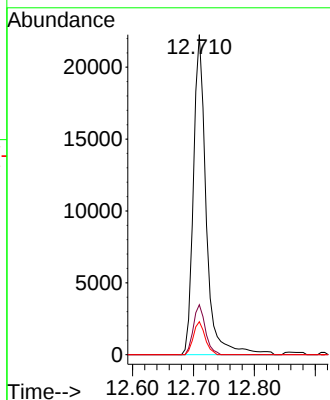
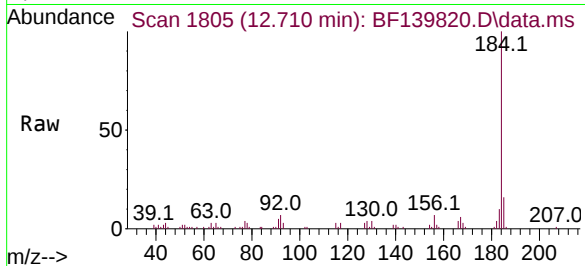




#77
Benzidine
Concen: 13.618 ng
RT: 12.710 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

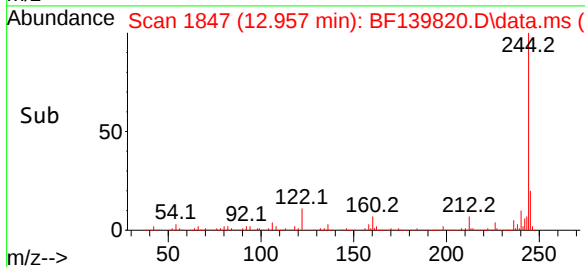
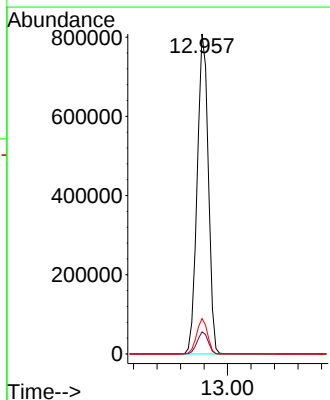
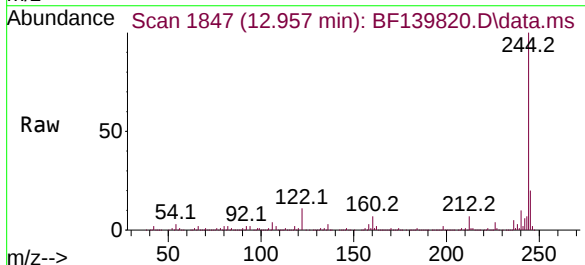
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

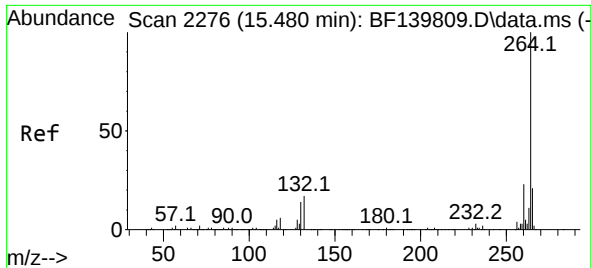
Tgt Ion:184 Resp: 32409
Ion Ratio Lower Upper
184 100
185 15.6 11.9 17.9
183 10.3 8.4 12.6



#79
Terphenyl-d14
Concen: -20.000 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Tgt Ion:244 Resp: 1059842
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.0 8.9 13.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139820.D
 Acq: 15 Oct 2024 18:59

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP Soil

Tgt Ion:264 Resp: 145725
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.8 28.2
 265 21.3 17.2 25.8

