

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139904.D
 Acq On : 21 Oct 2024 15:44
 Operator : RC/JU
 Sample : P4403-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilRE

Quant Time: Oct 21 16:34:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	180620	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	699996	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	377563	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	613880	20.000	ng	0.00
76) Chrysene-d12	14.051	240	346134	20.000	ng	0.00
86) Perylene-d12	15.527	264	401756	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1217137	105.493	ng	0.01
7) Phenol-d6	6.504	99	1544130	103.334	ng	0.00
23) Nitrobenzene-d5	7.445	82	996700	78.916	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	380419	107.718	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1698880	74.365	ng	0.00
79) Terphenyl-d14	12.998	244	1388561	65.369	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	134830	14.877	ng	# 77
25) Isophorone	7.445	82	994749	41.497	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	49168	9.656	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	49168	7.852	ng	# 21
63) Azobenzene	10.639	77	76252	3.115	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	24103	3.811	ng	# 1
77) Benzidine	12.998	184	17150	3.013	ng	# 90

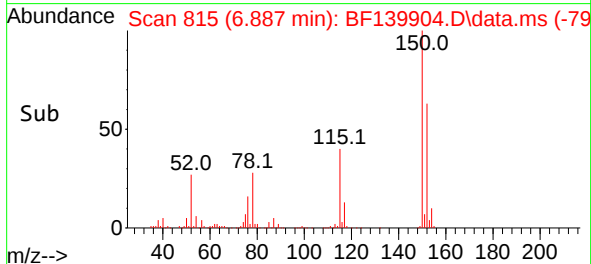
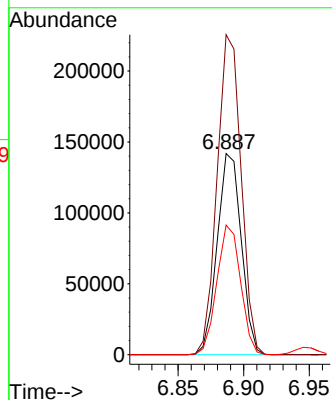
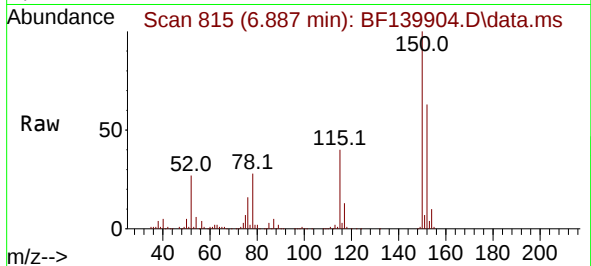
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

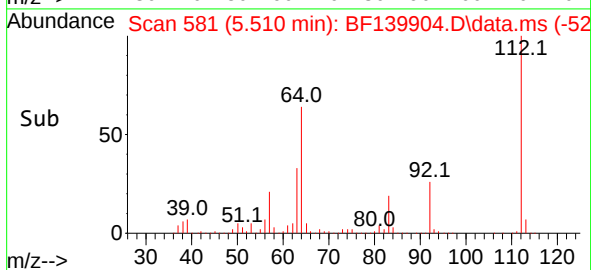
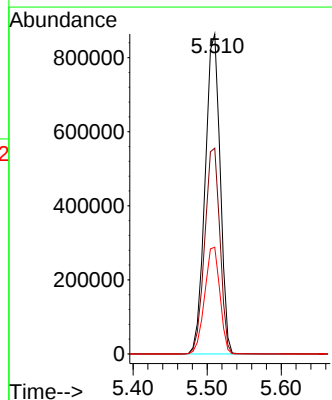
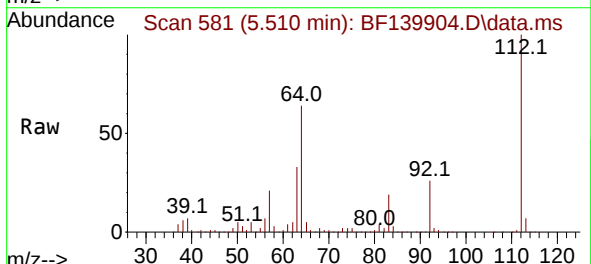
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

Tgt Ion:152 Resp: 180620
Ion Ratio Lower Upper
152 100
150 159.1 130.2 195.2
115 64.4 51.4 77.2



#5
2-Fluorophenol
Concen: 105.493 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Tgt Ion:112 Resp: 1217137
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 33.3 27.0 40.4



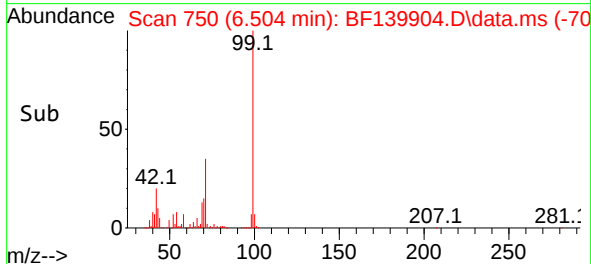
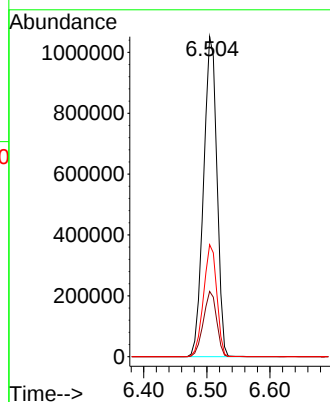
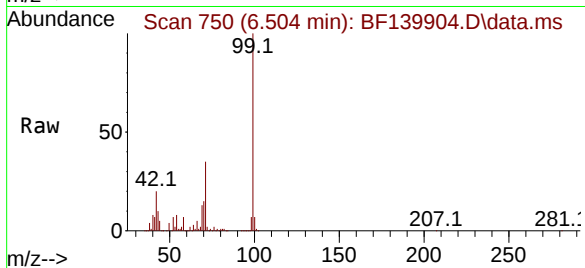


#7
Phenol-d6
Concen: 103.334 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

Tgt Ion: 99 Resp: 1544130

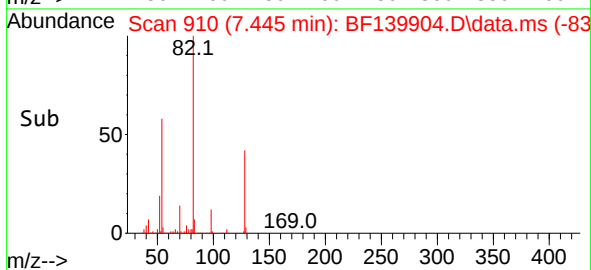
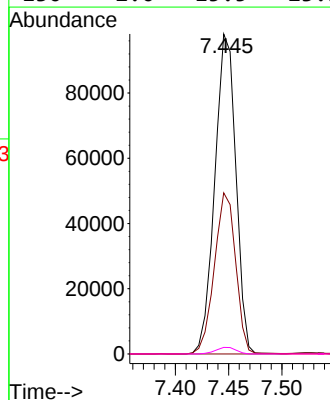
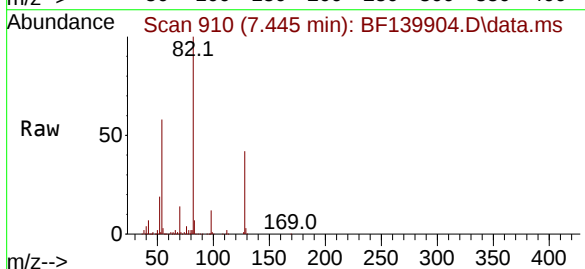
Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.7	25.1
71	35.0	27.7	41.5

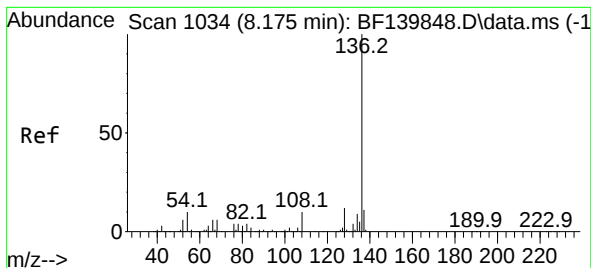


#19
n-Nitroso-di-n-propylamine
Concen: 14.877 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Tgt Ion: 70 Resp: 134830

Ion	Ratio	Lower	Upper
70	100		
42	50.4	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139904.D

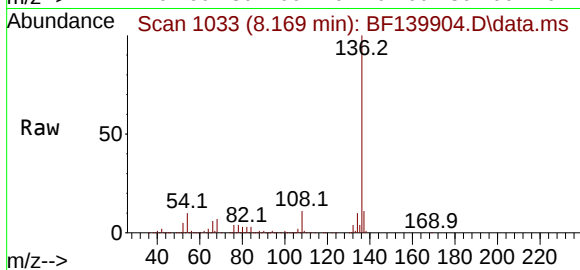
Acq: 21 Oct 2024 15:44

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilRE



Tgt Ion:136 Resp: 699996

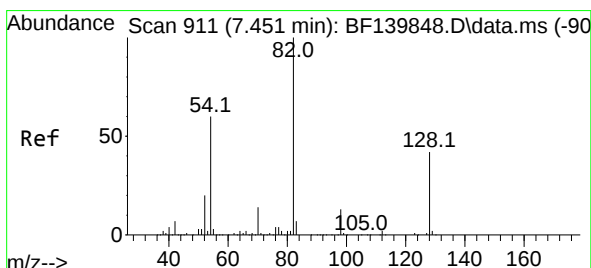
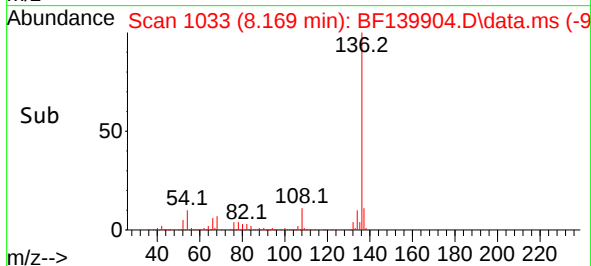
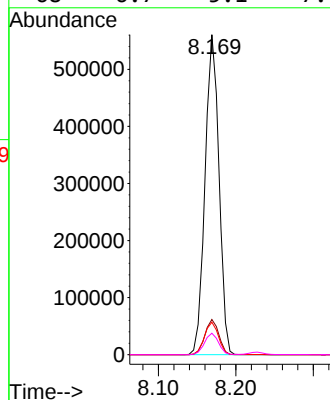
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 10.2 8.4 12.6

68 6.7 5.1 7.7



#23

Nitrobenzene-d5

Concen: 78.916 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139904.D

Acq: 21 Oct 2024 15:44

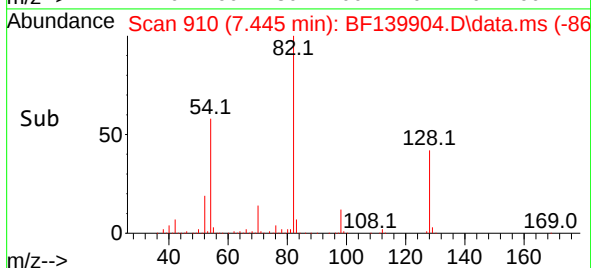
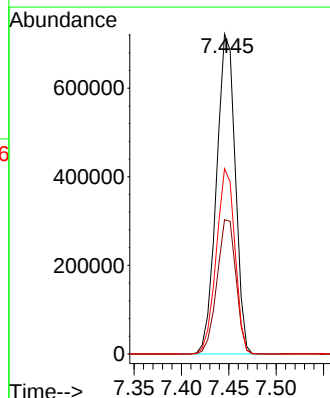
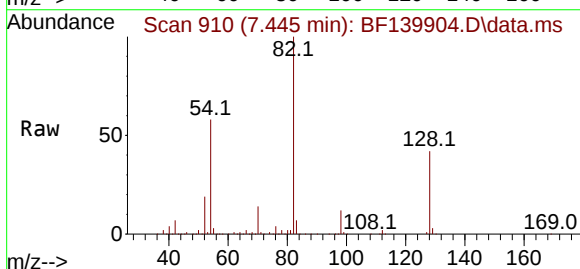
Tgt Ion: 82 Resp: 996700

Ion Ratio Lower Upper

82 100

128 41.9 33.4 50.0

54 57.9 47.8 71.8

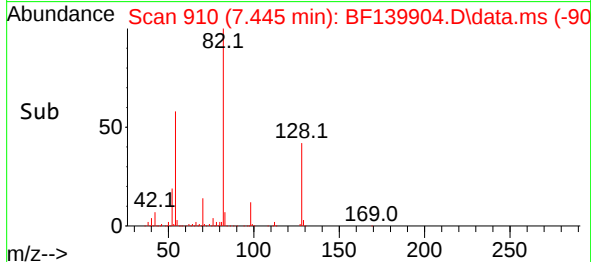
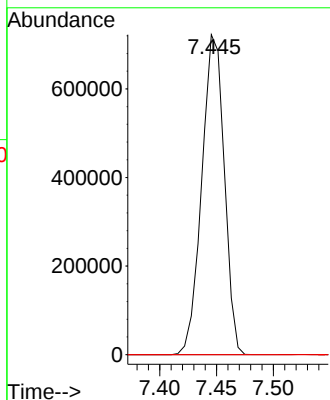
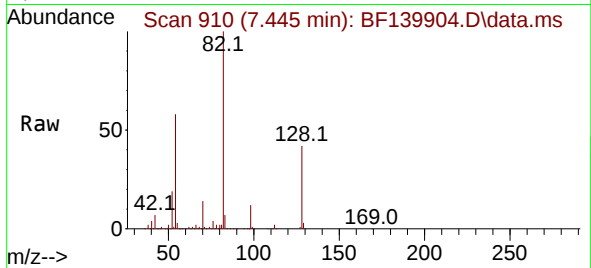




#25
Isophorone
Concen: 41.497 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

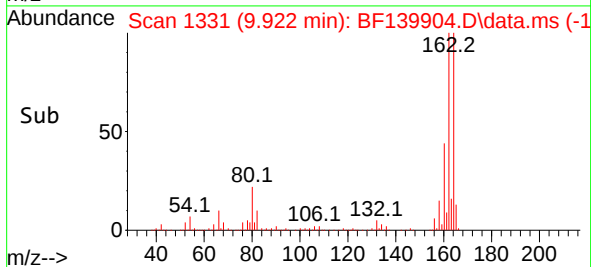
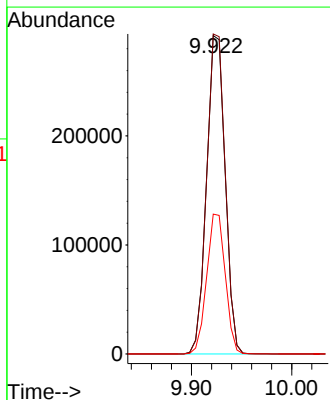
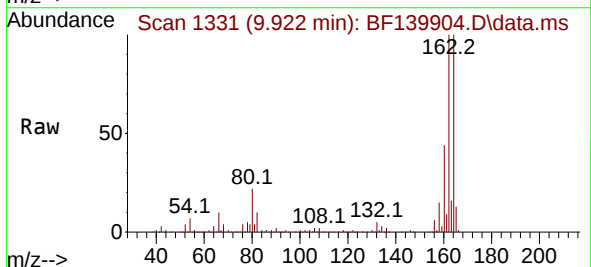
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

Tgt Ion: 82 Resp: 994749
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Tgt Ion:164 Resp: 377563
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 43.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 107.718 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139904.D

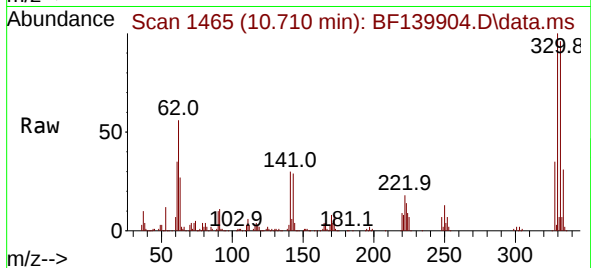
Acq: 21 Oct 2024 15:44

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilRE



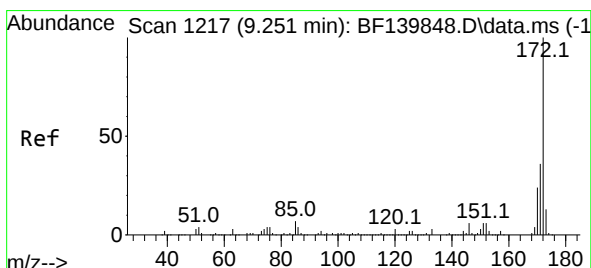
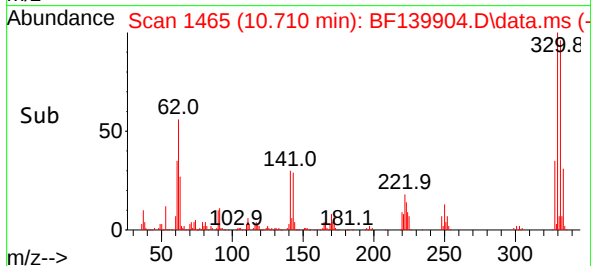
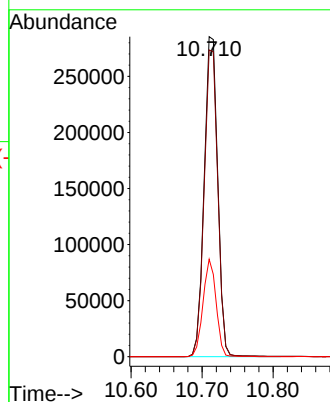
Tgt Ion:330 Resp: 380419

Ion Ratio Lower Upper

330 100

332 96.1 78.1 117.1

141 29.4 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 74.365 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139904.D

Acq: 21 Oct 2024 15:44

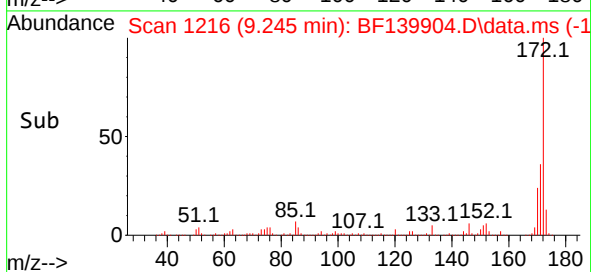
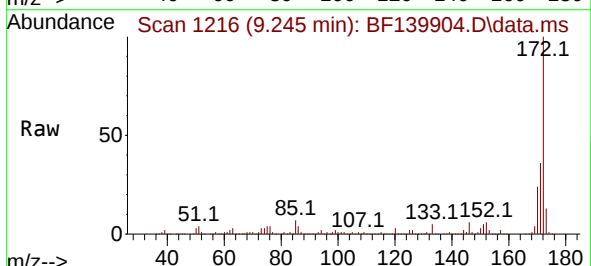
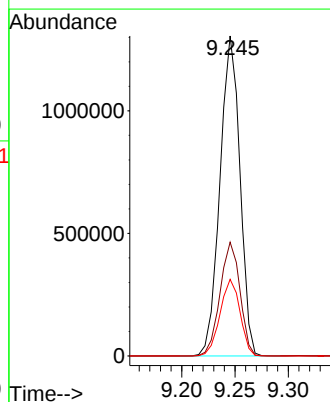
Tgt Ion:172 Resp: 1698880

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.9 19.1 28.7

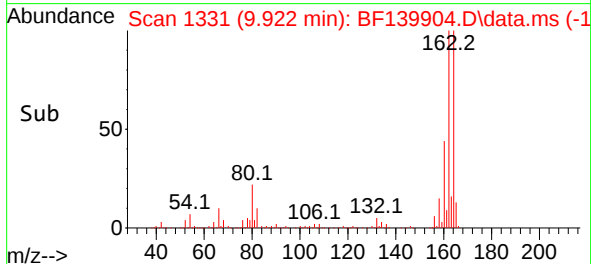
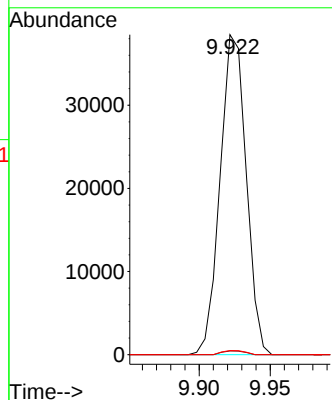
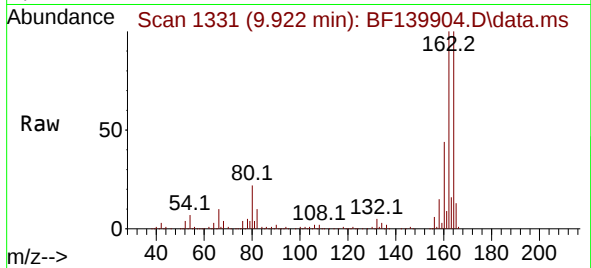




#51
2,6-Dinitrotoluene
Concen: 9.656 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

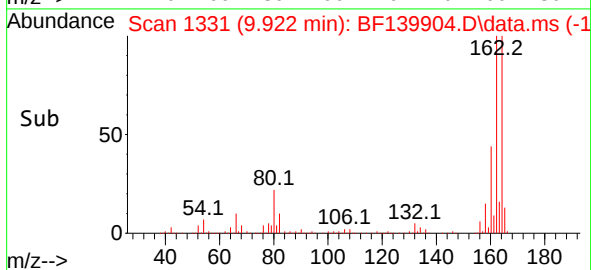
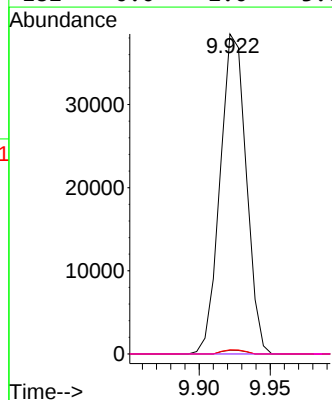
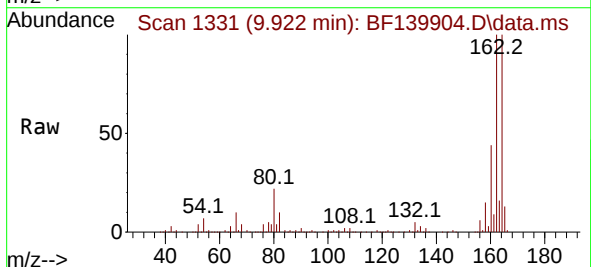
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

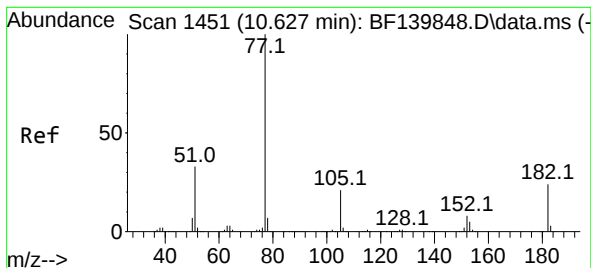
Tgt Ion:165 Resp: 49168
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.852 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Tgt Ion:165 Resp: 49168
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.115 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF139904.D

Acq: 21 Oct 2024 15:44

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilRE

Tgt Ion: 77 Resp: 76252

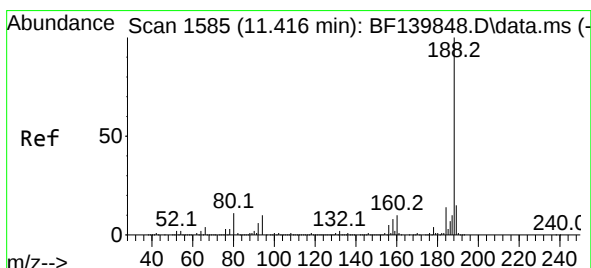
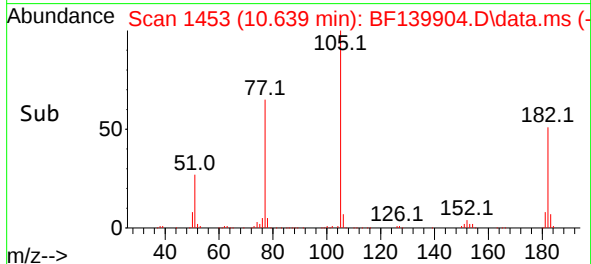
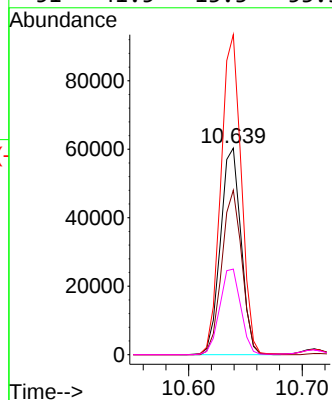
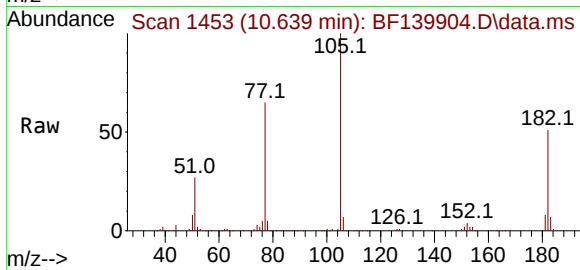
Ion Ratio Lower Upper

77 100

182 79.6 3.3 43.3#

105 154.9 1.2 41.2#

51 41.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139904.D

Acq: 21 Oct 2024 15:44

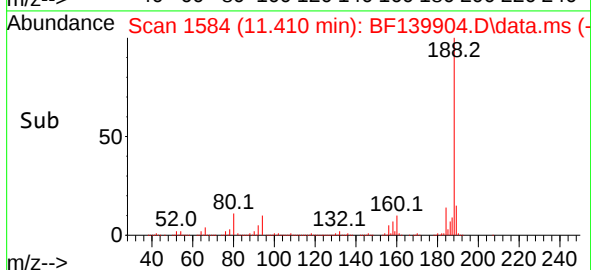
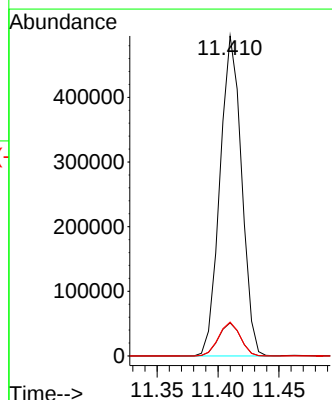
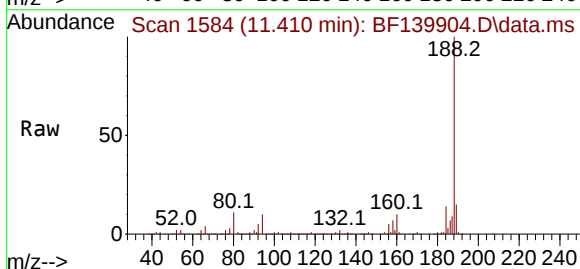
Tgt Ion:188 Resp: 613880

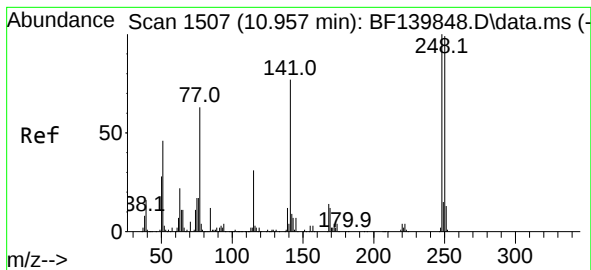
Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 10.6 9.0 13.4

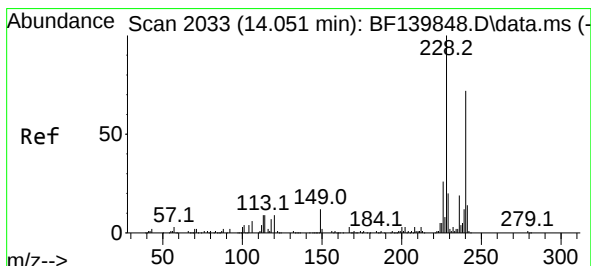
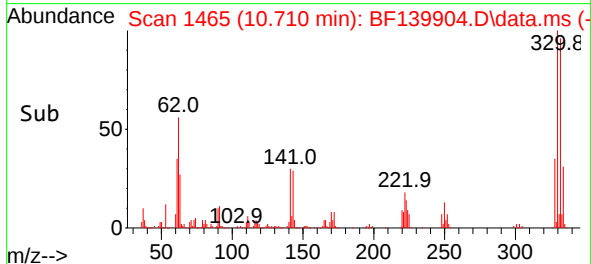
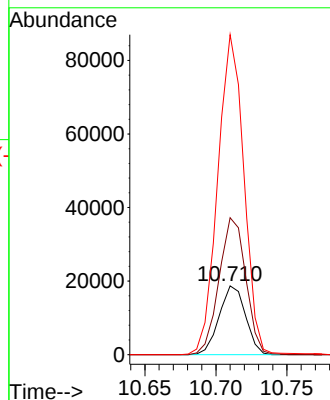
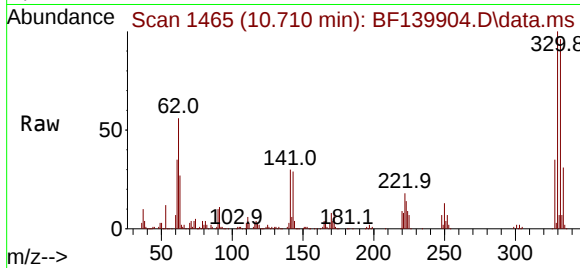




#67
4-Bromophenyl-phenylether
Concen: 3.811 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

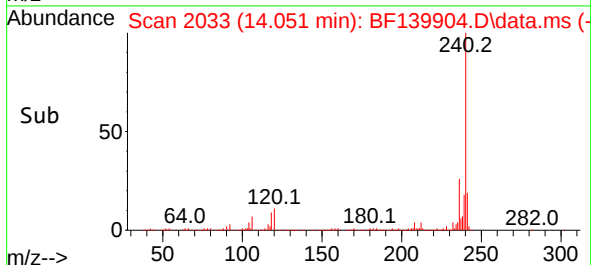
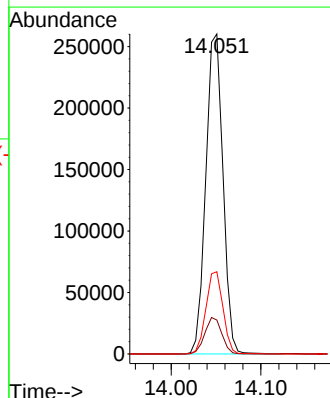
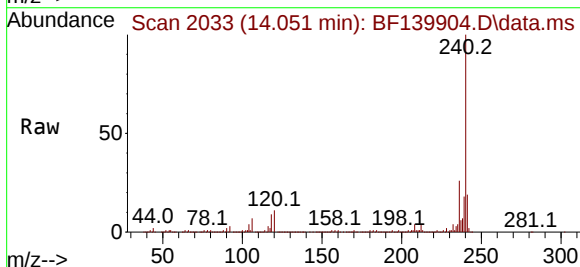
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

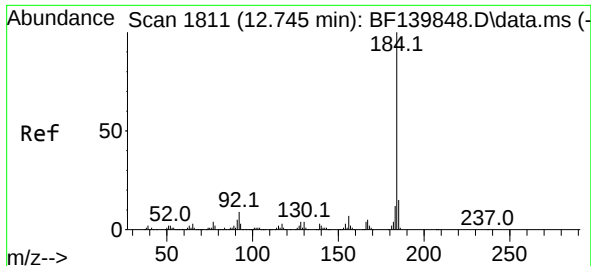
Tgt Ion:248 Resp: 24103
Ion Ratio Lower Upper
248 100
250 199.1 79.0 118.6#
141 465.5 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Tgt Ion:240 Resp: 346134
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.7 20.9 31.3

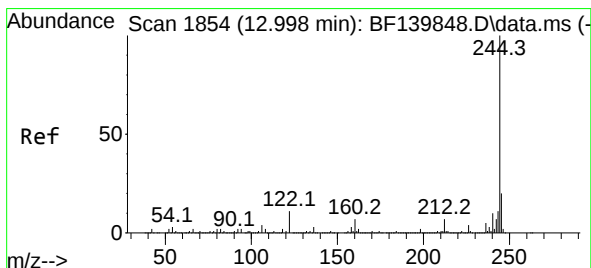
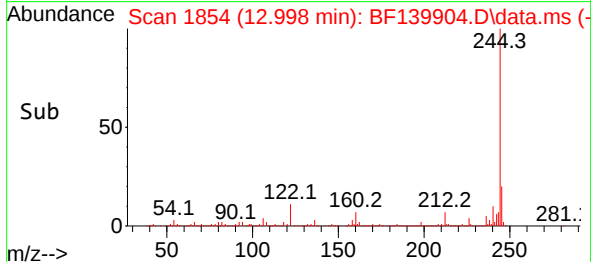
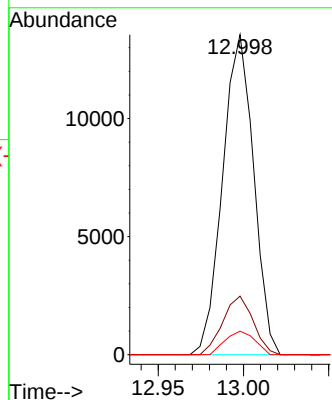
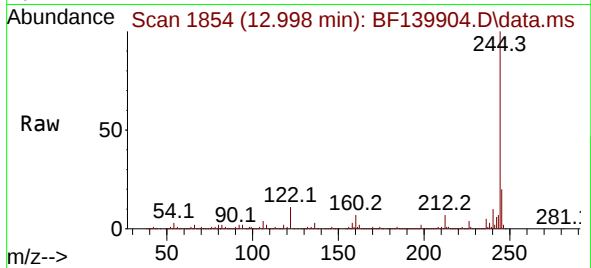




#77
Benzidine
Concen: 3.013 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

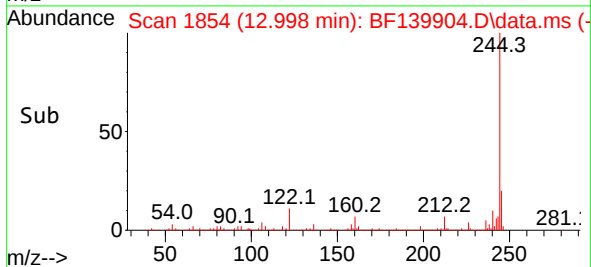
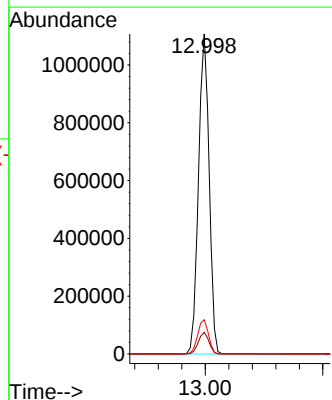
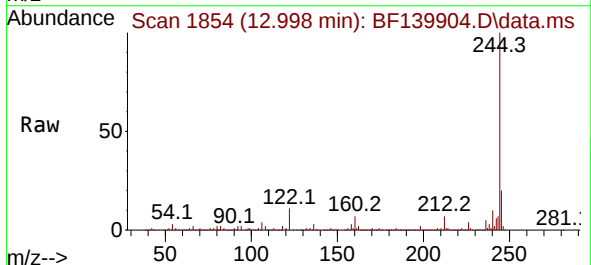
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

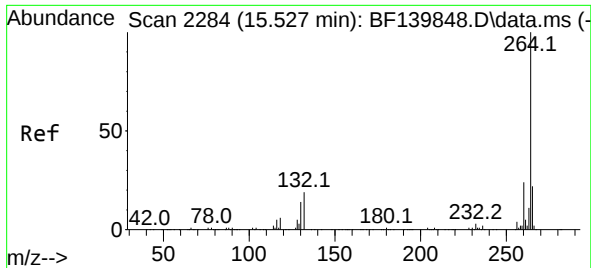
Tgt Ion:184 Resp: 17150
Ion Ratio Lower Upper
184 100
185 18.3 12.0 18.0#
183 7.3 9.4 14.2#



#79
Terphenyl-d14
Concen: 65.369 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

Tgt Ion:244 Resp: 1388561
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.7 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139904.D
 Acq: 21 Oct 2024 15:44

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilRE

Tgt Ion:264	Resp:	401756
Ion	Ratio	Lower Upper
264	100	
260	24.0	19.4 29.2
265	21.6	17.4 26.0

