

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139825.D
 Acq On : 16 Oct 2024 12:13
 Operator : RC/JU
 Sample : P4403-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP Soil

Quant Time: Oct 16 12:42:50 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)

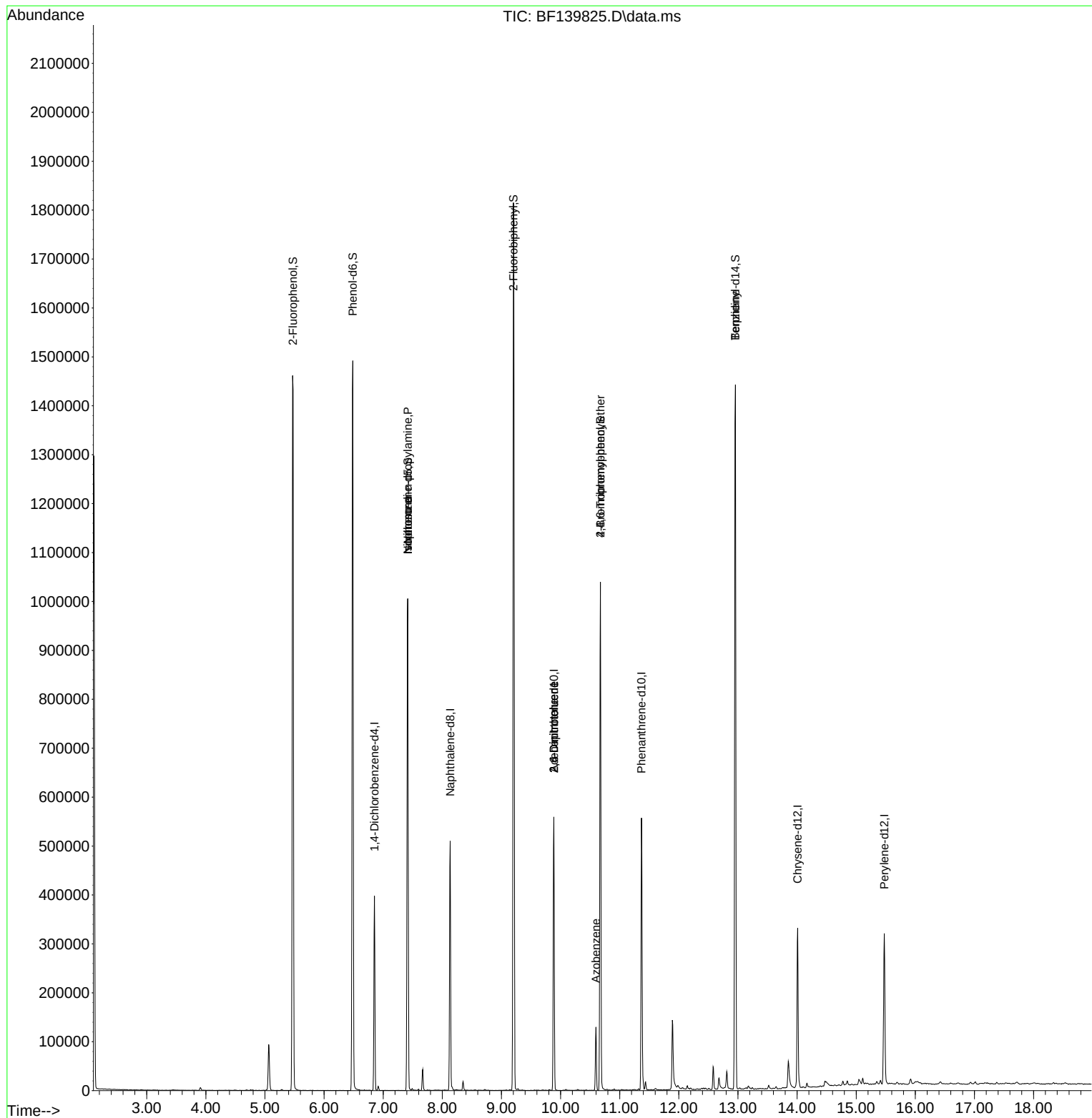
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	79495	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	305819	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	165101	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	289532	20.000	ng	0.00
76) Chrysene-d12	14.010	240	150106	20.000	ng	0.00
86) Perylene-d12	15.474	264	173852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	531158	112.739	ng	0.00
7) Phenol-d6	6.487	99	696905	111.224	ng	0.00
23) Nitrobenzene-d5	7.416	82	446774	75.193	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	159339	114.432	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	813016	73.653	ng	0.00
79) Terphenyl-d14	12.957	244	713910	94.123	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	61218	16.778	ng	# 74
25) Isophorone	7.416	82	446772	44.061	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	21284	9.230	ng	# 22
57) 2,4-Dinitrotoluene	9.886	165	21284	7.476	ng	# 19
63) Azobenzene	10.598	77	32218	3.143	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	11444	3.669	ng	# 1
77) Benzidine	12.957	184	9554	3.810	ng	# 94

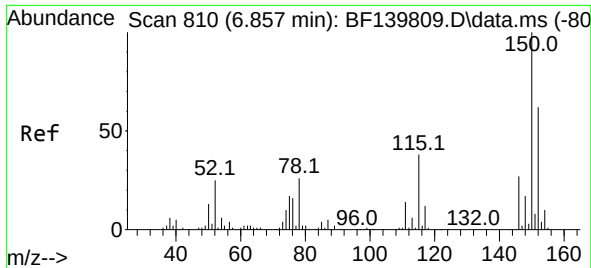
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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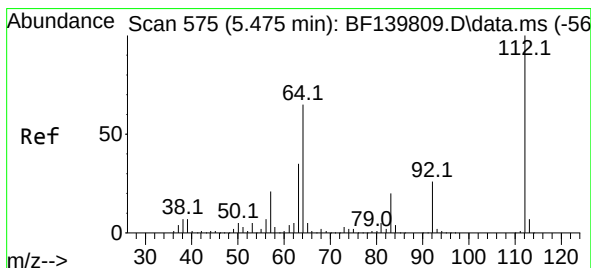
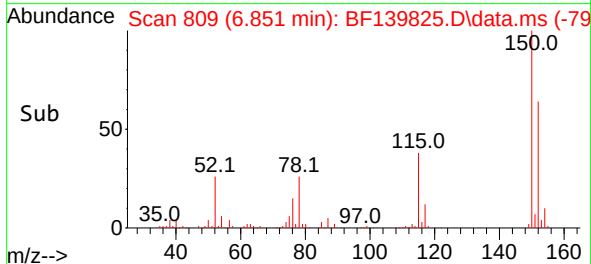
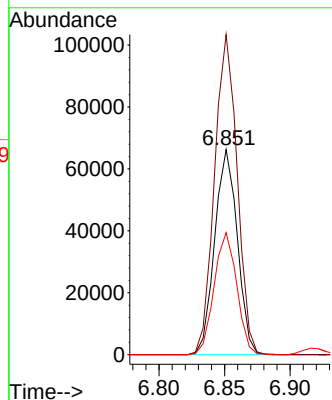
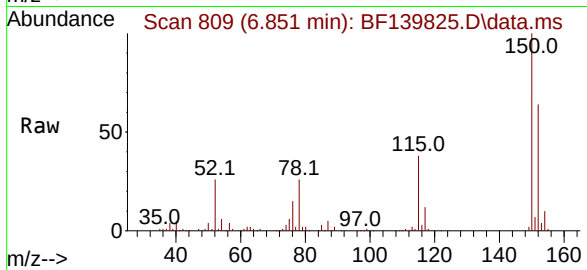




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

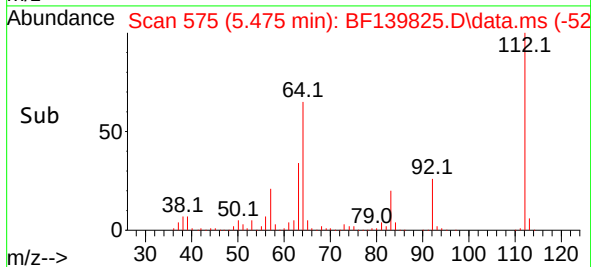
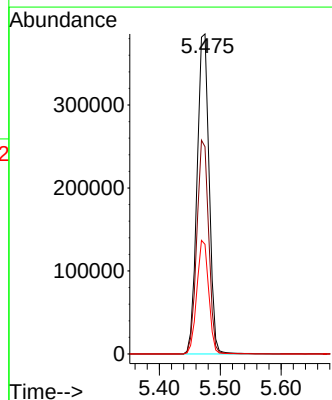
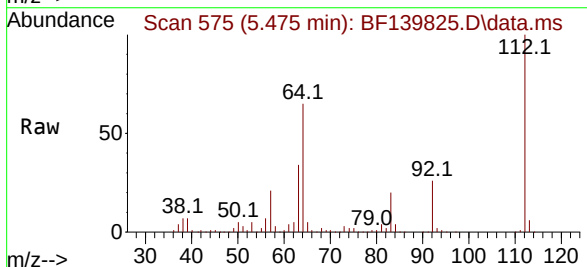
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

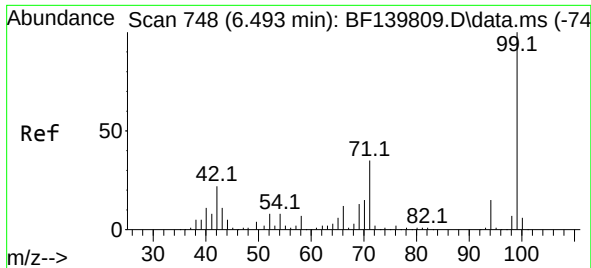
Tgt Ion:152 Resp: 79495
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.2
115 59.6 48.1 72.1



#5
2-Fluorophenol
Concen: 112.739 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.000 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

Tgt Ion:112 Resp: 531158
Ion Ratio Lower Upper
112 100
64 64.8 52.1 78.1
63 34.3 27.6 41.4

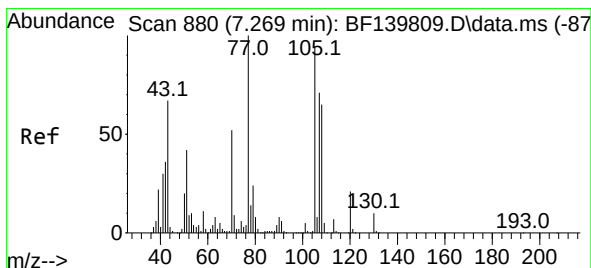
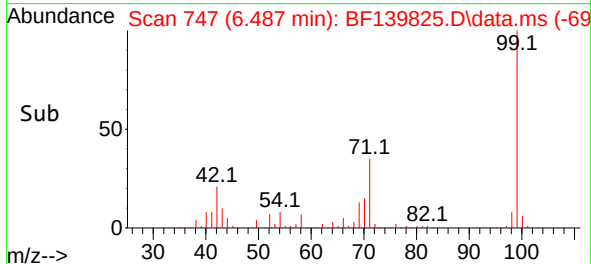
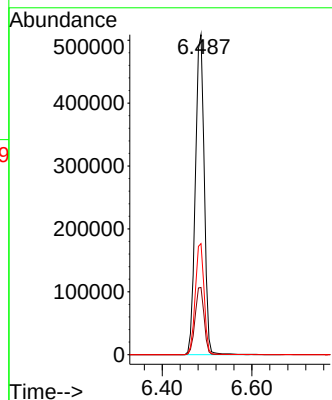
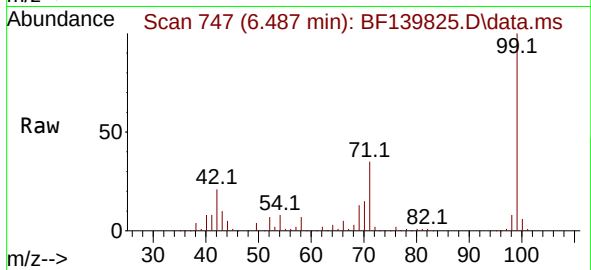




#7
Phenol-d6
Concen: 111.224 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

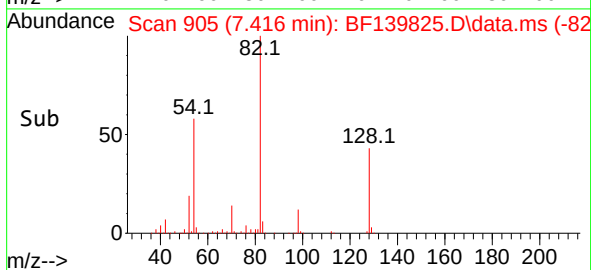
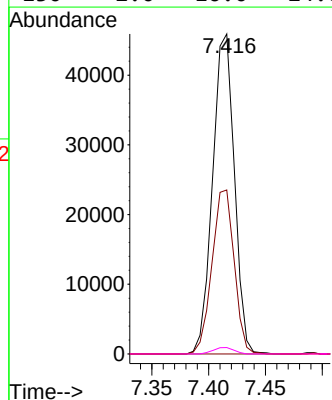
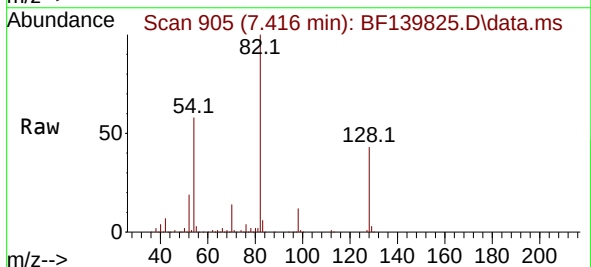
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

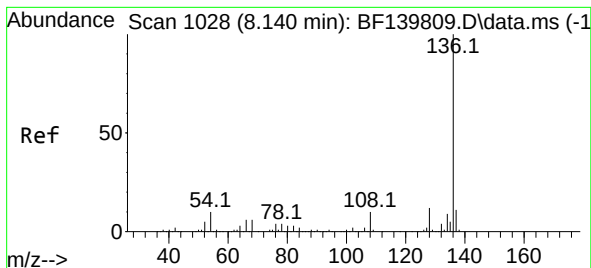
Tgt Ion: 99 Resp: 696905
Ion Ratio Lower Upper
99 100
42 21.0 17.3 25.9
71 34.7 27.8 41.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.778 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.147 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

Tgt Ion: 70 Resp: 61218
Ion Ratio Lower Upper
70 100
42 51.2 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# 11

Delta R.T. -0.007 min

Lab File: BF139825.D

Acq: 16 Oct 2024 12:13

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP Soil

Tgt Ion:136 Resp: 305819

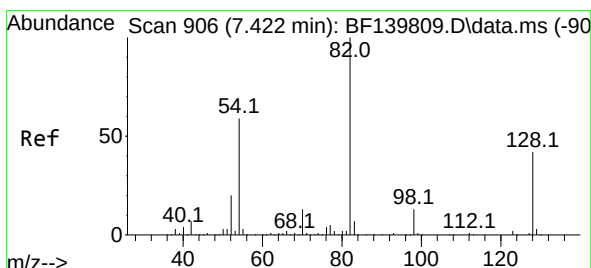
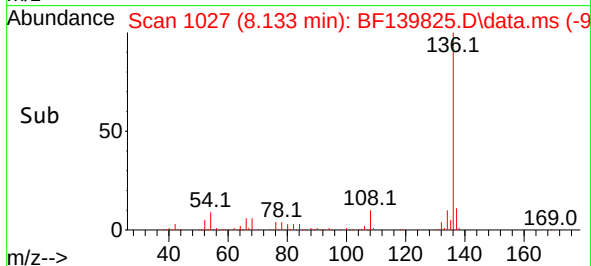
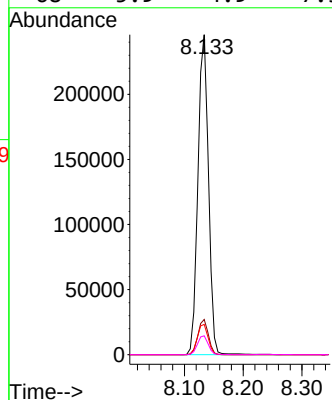
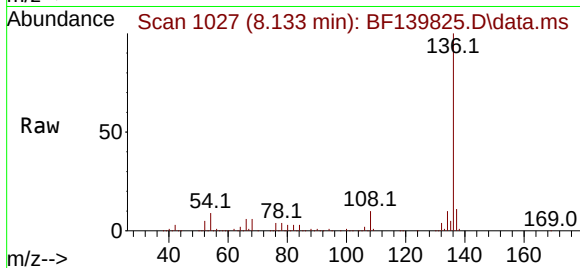
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.4 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 75.193 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF139825.D

Acq: 16 Oct 2024 12:13

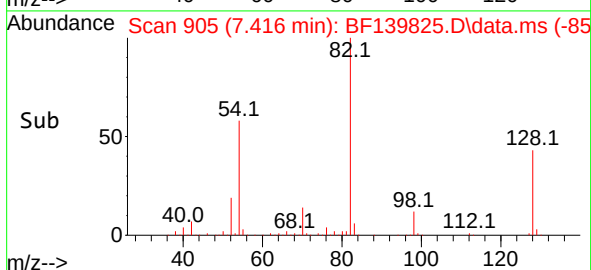
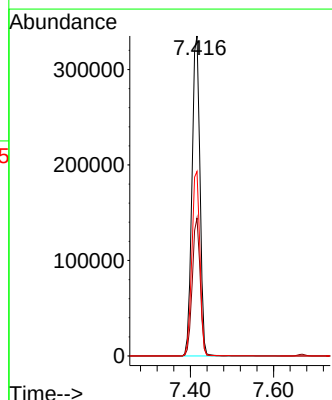
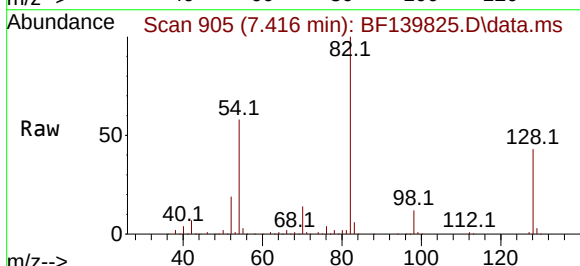
Tgt Ion: 82 Resp: 446774

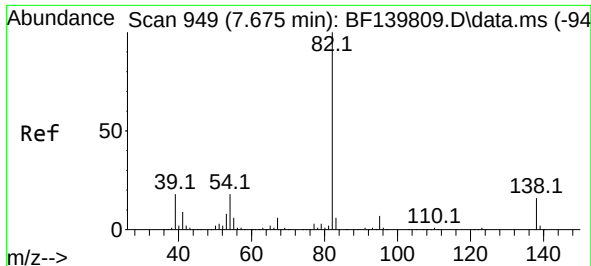
Ion Ratio Lower Upper

82 100

128 43.1 33.9 50.9

54 57.7 46.9 70.3

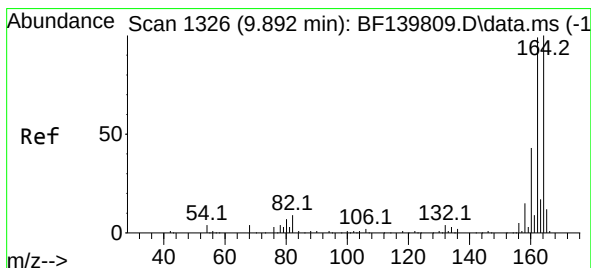
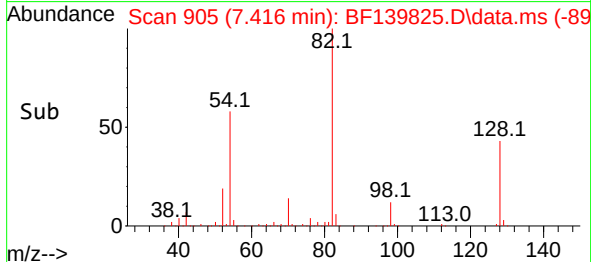
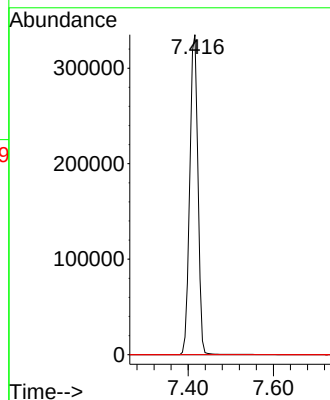
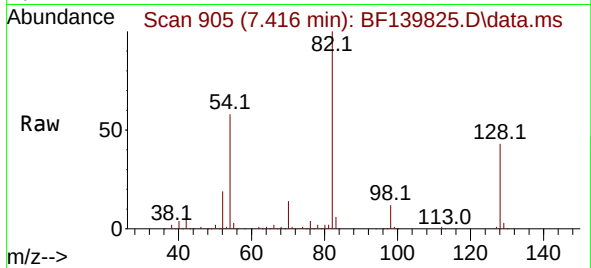




#25
Isophorone
Concen: 44.061 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

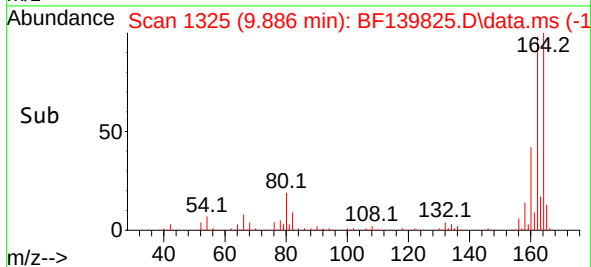
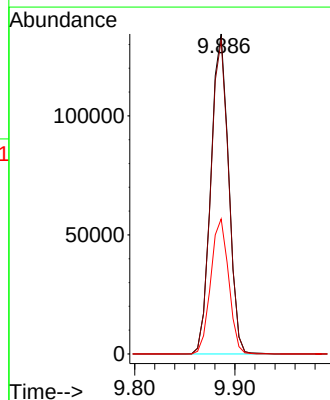
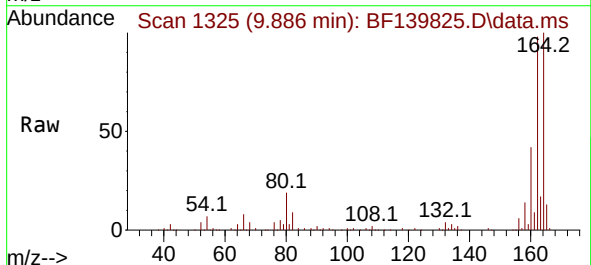
Instrument :
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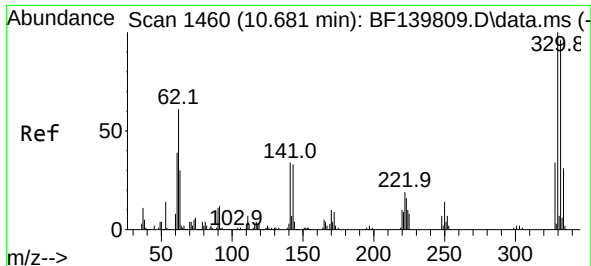
Tgt Ion: 82 Resp: 446772
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

Tgt Ion:164 Resp: 165101
Ion Ratio Lower Upper
164 100
162 98.1 79.1 118.7
160 42.2 34.4 51.6

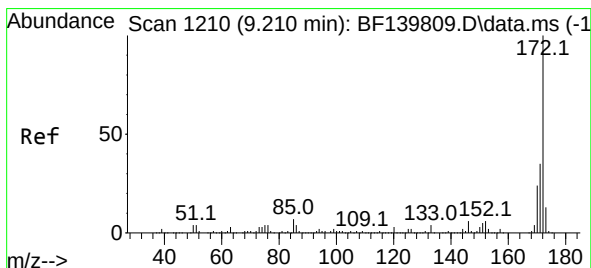
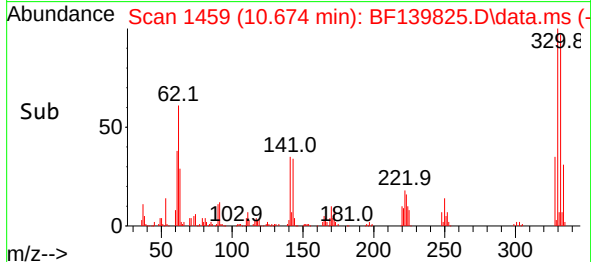
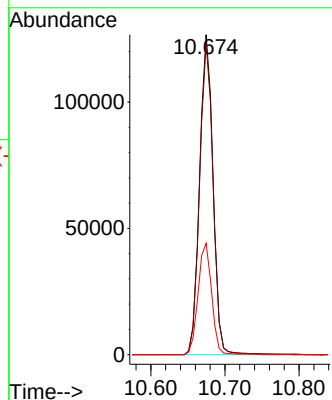
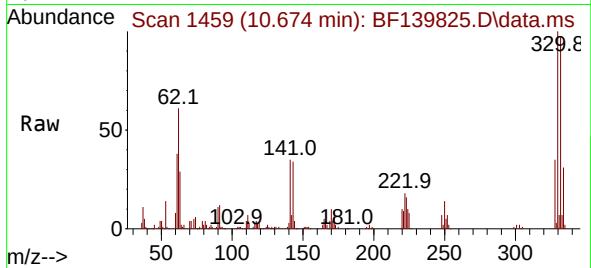




#42
2,4,6-Tribromophenol
Concen: 114.432 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

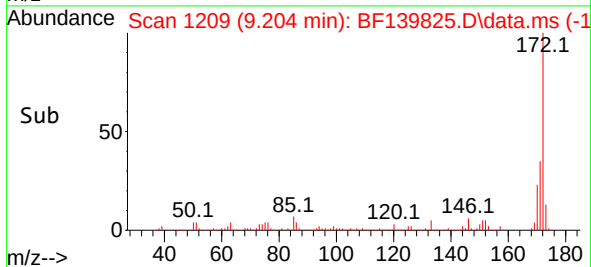
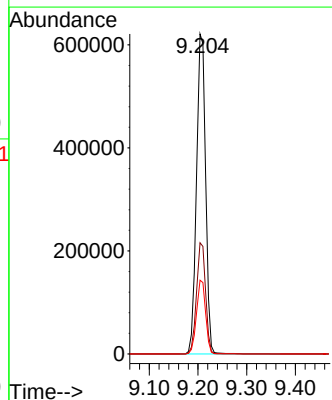
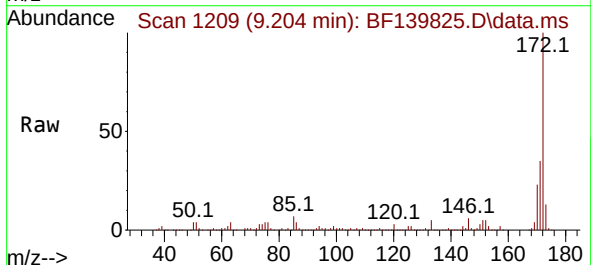
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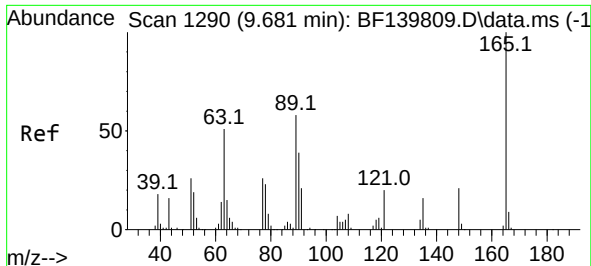
Tgt Ion:330 Resp: 159339
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 35.2 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 73.653 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

Tgt Ion:172 Resp: 813016
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.1 18.9 28.3

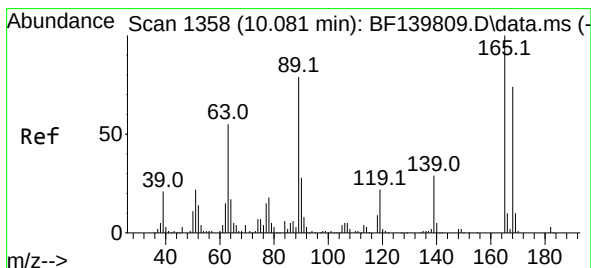
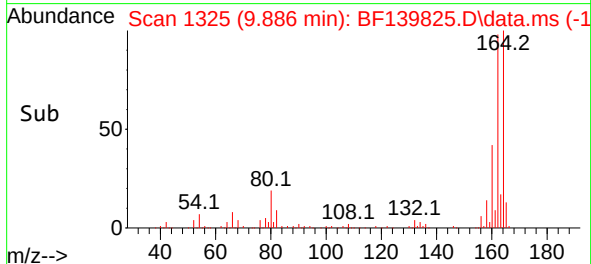
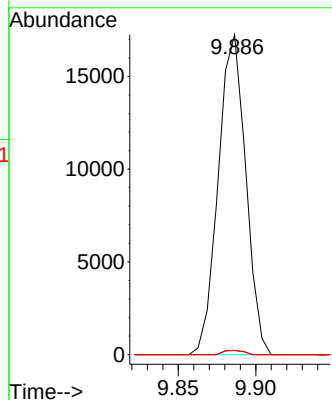
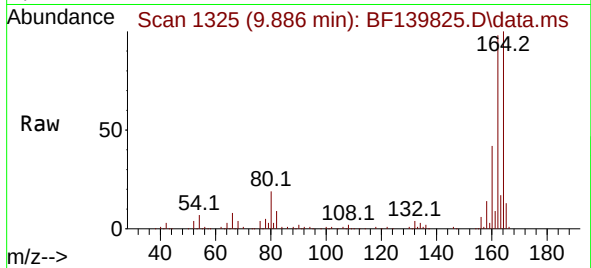




#51
2,6-Dinitrotoluene
Concen: 9.230 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

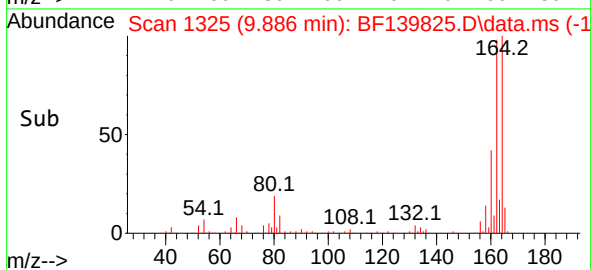
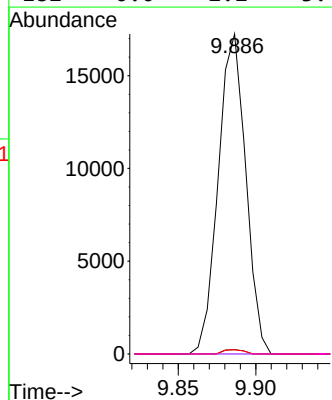
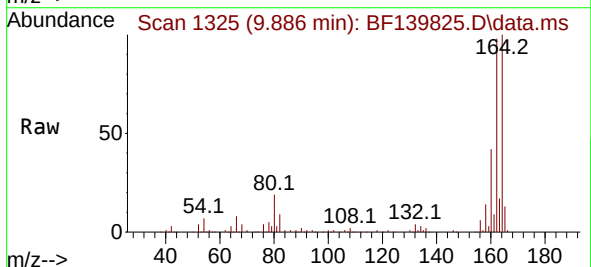
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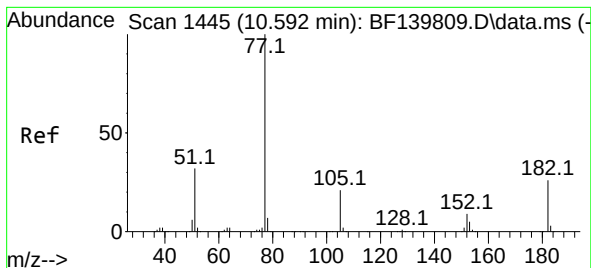
Tgt Ion:165 Resp: 21284
Ion Ratio Lower Upper
165 100
63 1.3 50.0 75.0#
89 1.3 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 7.476 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.195 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

Tgt Ion:165 Resp: 21284
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.3 63.1 94.7#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.143 ng

RT: 10.598 min Scan# 1446

Delta R.T. 0.006 min

Lab File: BF139825.D

Acq: 16 Oct 2024 12:13

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP Soil

Tgt Ion: 77 Resp: 32218

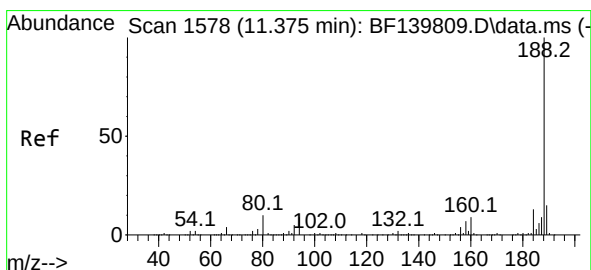
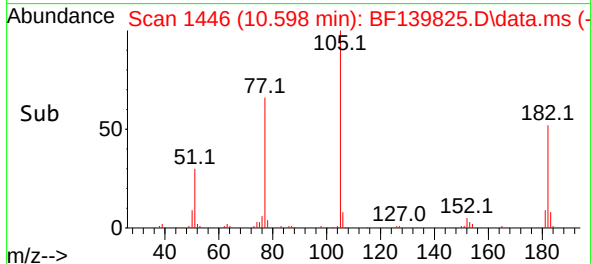
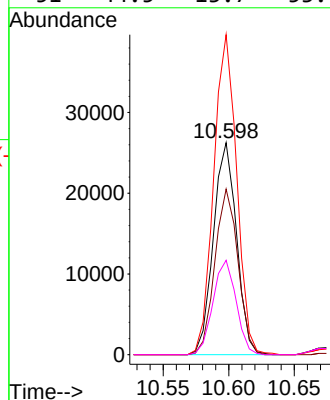
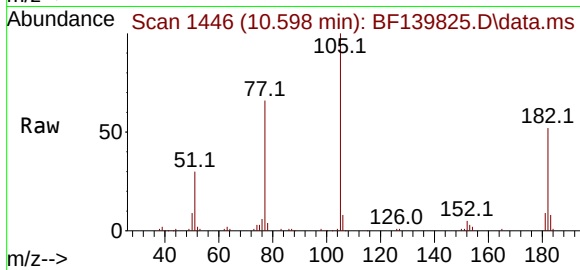
Ion Ratio Lower Upper

77 100

182 78.1 5.4 45.4#

105 150.9 0.4 40.4#

51 44.5 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF139825.D

Acq: 16 Oct 2024 12:13

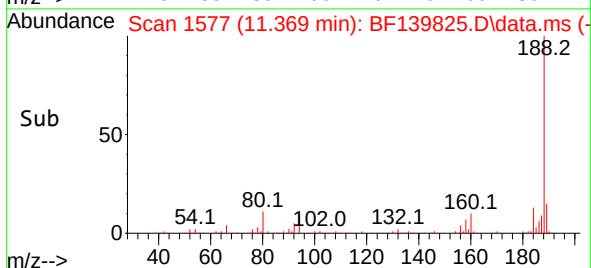
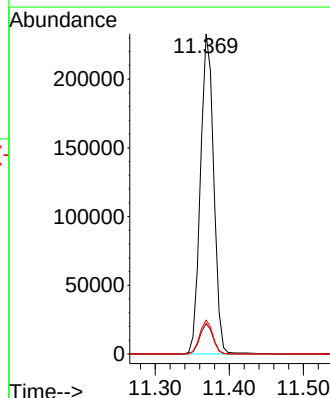
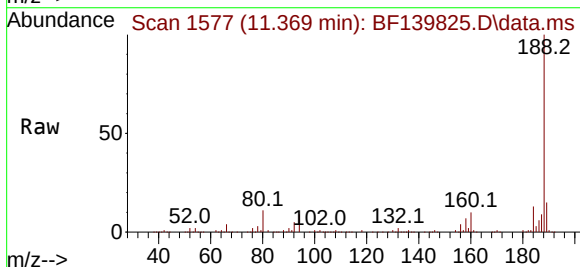
Tgt Ion:188 Resp: 289532

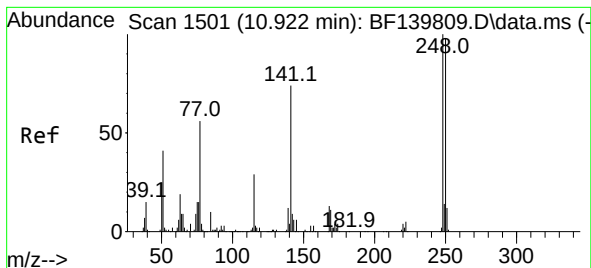
Ion Ratio Lower Upper

188 100

94 9.5 7.3 10.9

80 10.6 7.8 11.8

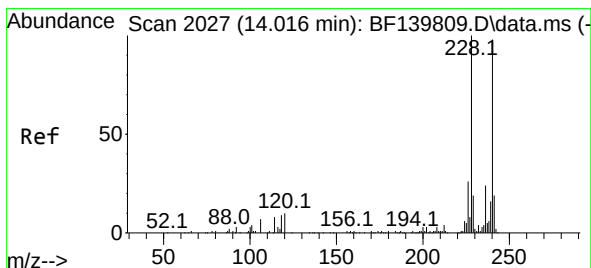
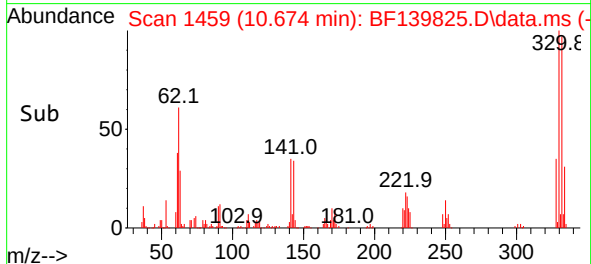
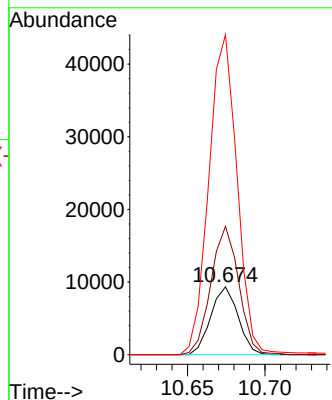
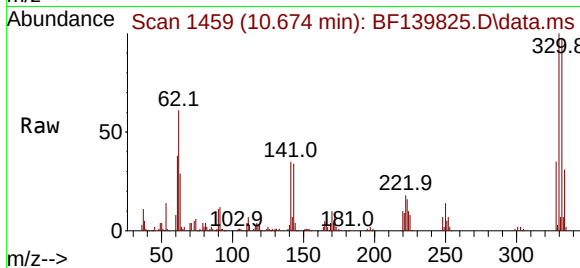




#67
4-Bromophenyl-phenylether
Concen: 3.669 ng
RT: 10.674 min Scan# 1459
Delta R.T. -0.247 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

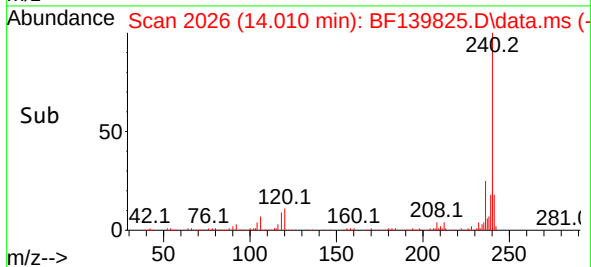
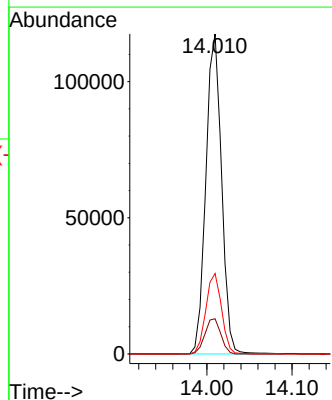
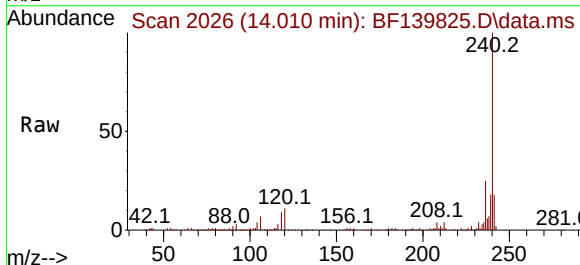
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

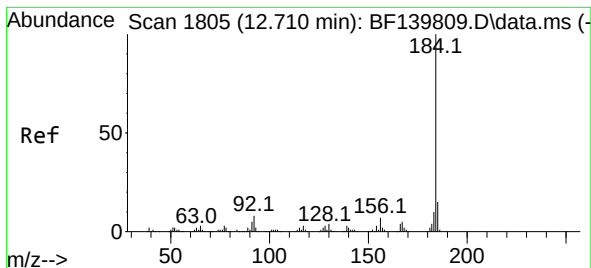
Tgt Ion:248 Resp: 11444
Ion Ratio Lower Upper
248 100
250 189.0 78.7 118.1#
141 471.5 58.9 88.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF139825.D
Acq: 16 Oct 2024 12:13

Tgt Ion:240 Resp: 150106
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 25.1 20.0 30.0





#77

Benzidine

Concen: 3.810 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.247 min

Lab File: BF139825.D

Acq: 16 Oct 2024 12:13

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP Soil

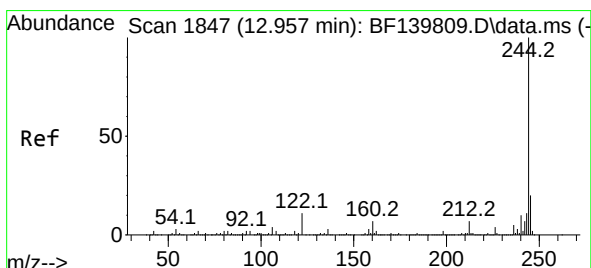
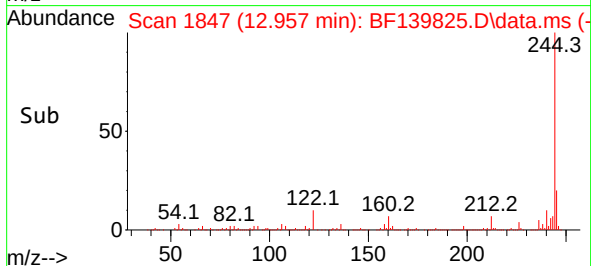
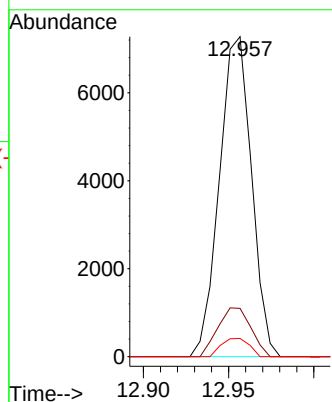
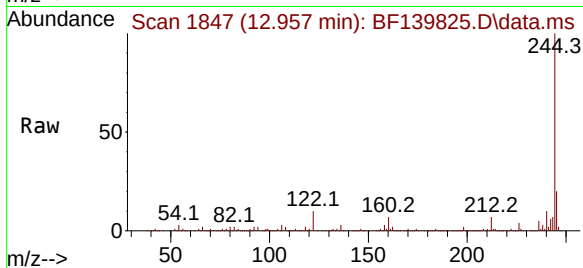
Tgt Ion:184 Resp: 9554

Ion Ratio Lower Upper

184 100

185 15.1 11.9 17.9

183 5.7 8.4 12.6#



#79

Terphenyl-d14

Concen: 94.123 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF139825.D

Acq: 16 Oct 2024 12:13

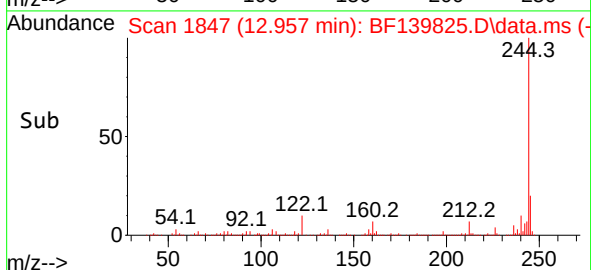
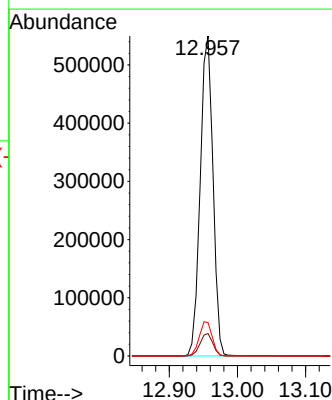
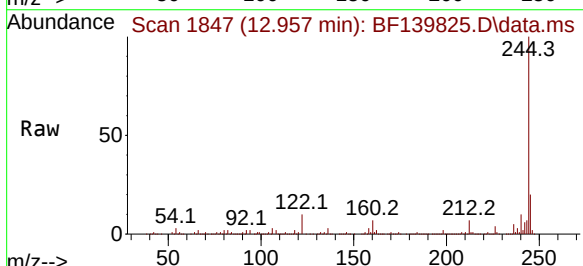
Tgt Ion:244 Resp: 713910

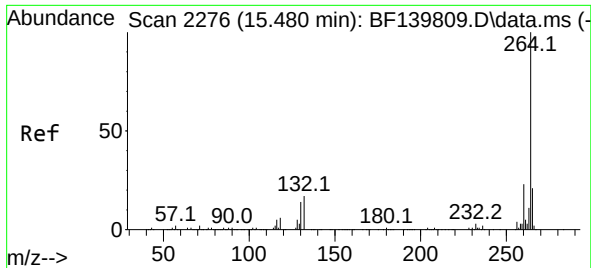
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

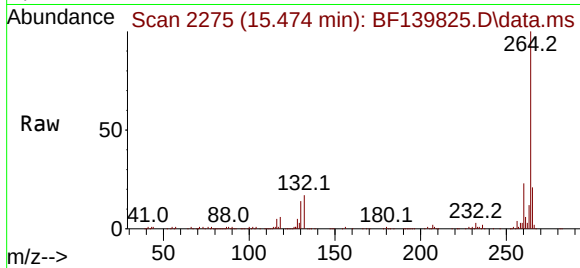
122 10.5 8.9 13.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139825.D
 Acq: 16 Oct 2024 12:13

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP Soil



Tgt Ion:264 Resp: 173852
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.8 28.2
 265 21.4 17.2 25.8

