

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)

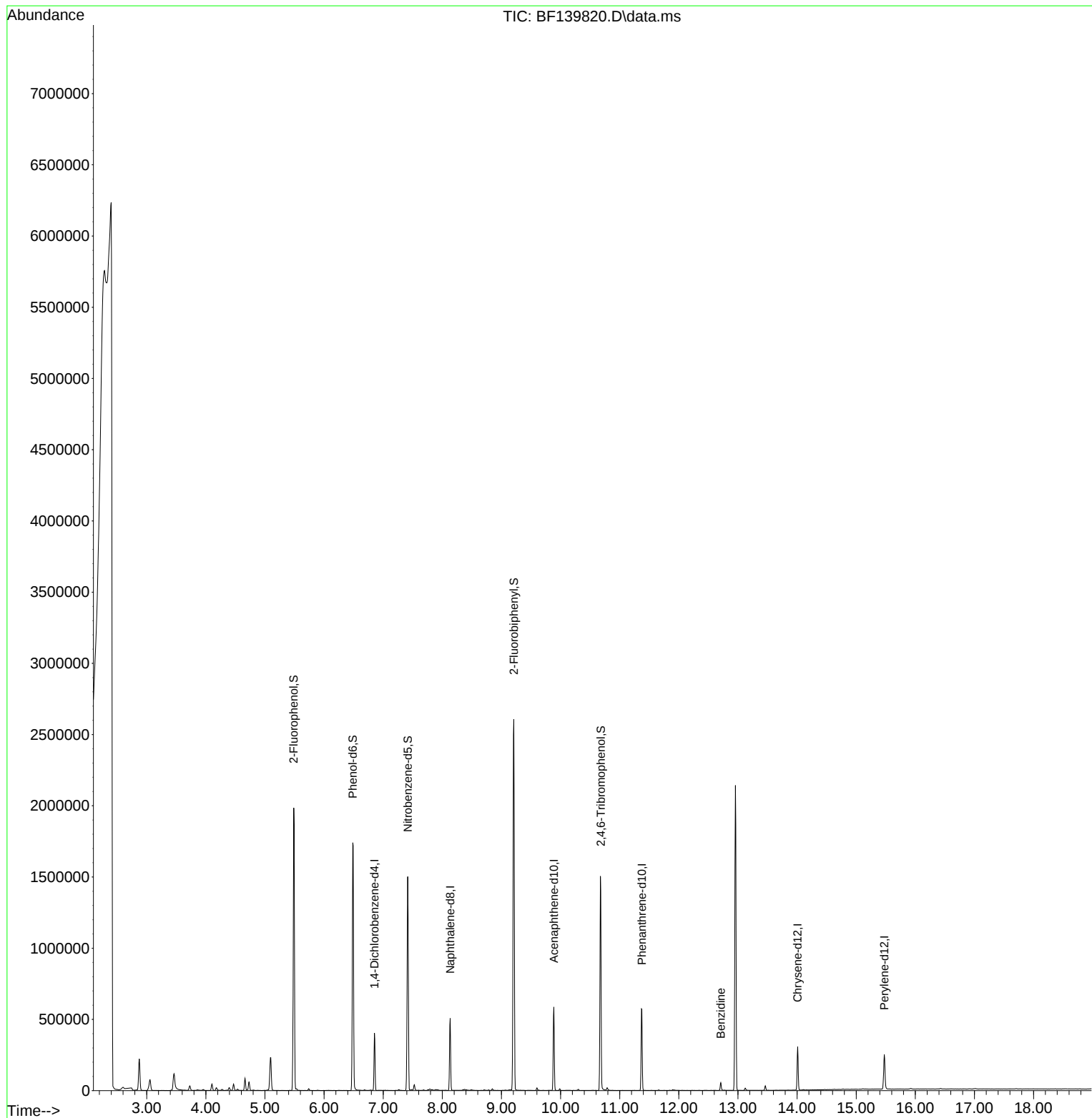
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	82243	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	313413	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	174555	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	313512	20.000	ng	0.00
76) Chrysene-d12	14.010	240	142467	20.000	ng	0.00
86) Perylene-d12	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						
77) Benzidine	12.710	184	32409	13.618	ng	Qvalue 99

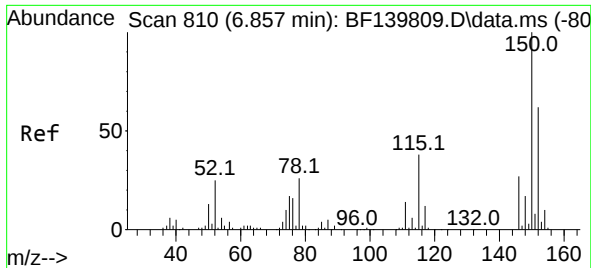
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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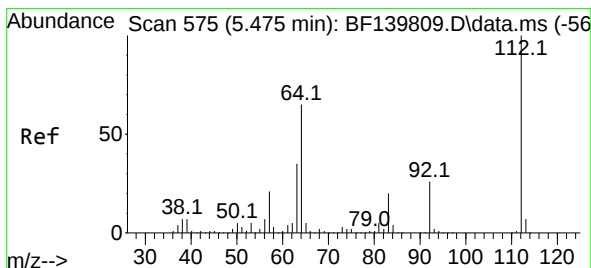
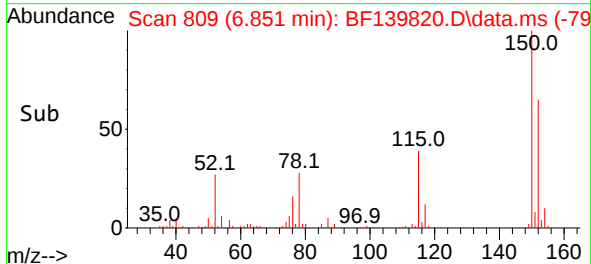
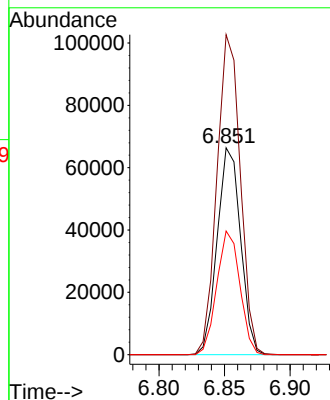
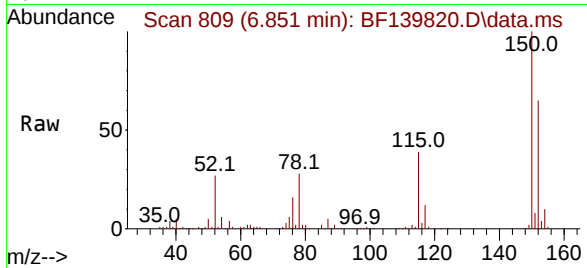




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF139820.D
 Acq: 15 Oct 2024 18:59

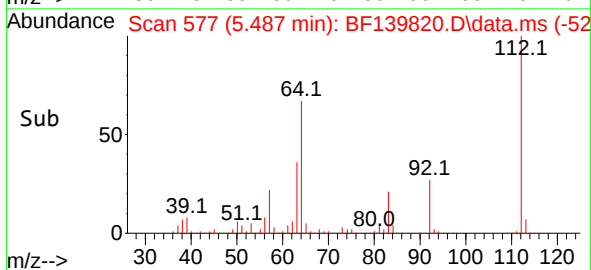
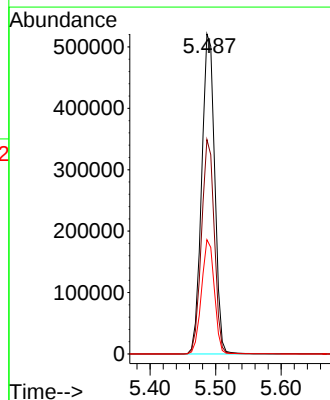
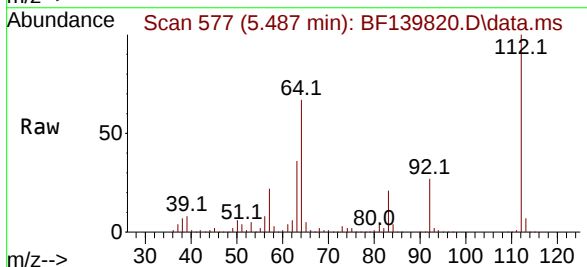
Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP Soil

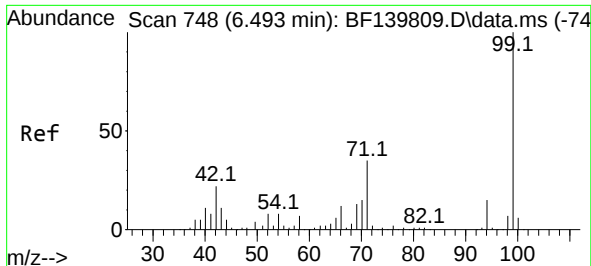
Tgt Ion:152 Resp: 82243
 Ion Ratio Lower Upper
 152 100
 150 154.7 128.2 192.2
 115 59.8 48.1 72.1



#5
 2-Fluorophenol
 Concen: 148.301 ng
 RT: 5.487 min Scan# 577
 Delta R.T. 0.012 min
 Lab File: BF139820.D
 Acq: 15 Oct 2024 18:59

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

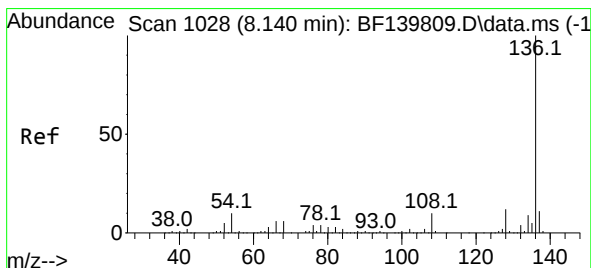
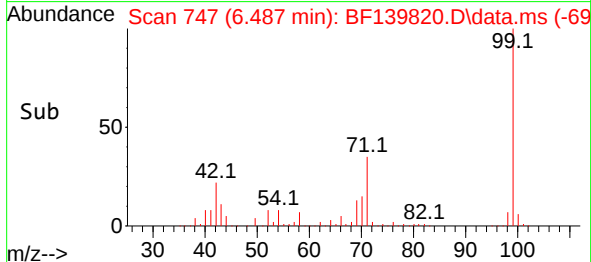
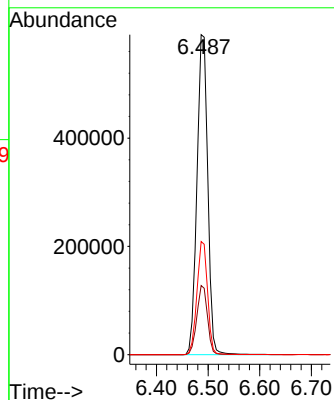
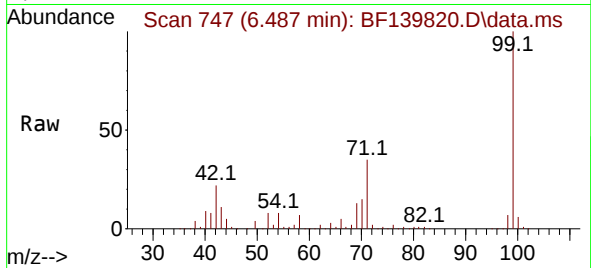




#7
Phenol-d6
Concen: 132.244 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

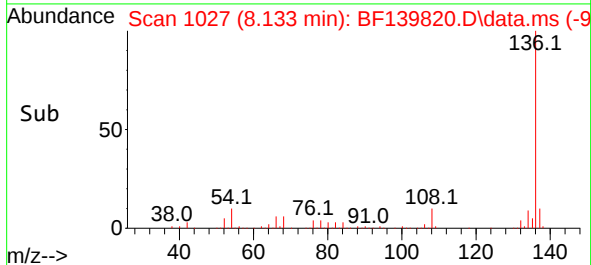
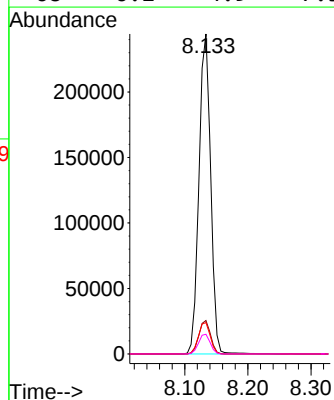
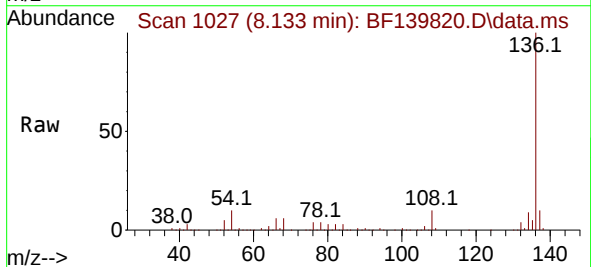
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

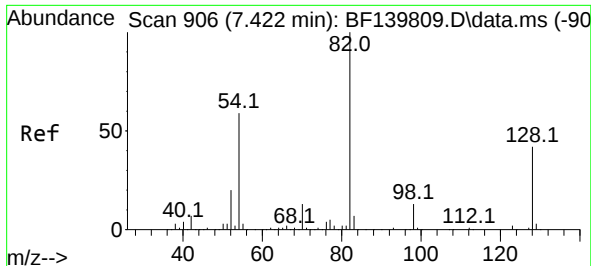
Tgt Ion: 99 Resp: 857258
Ion Ratio Lower Upper
99 100
42 21.6 17.3 25.9
71 35.3 27.8 41.6



#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

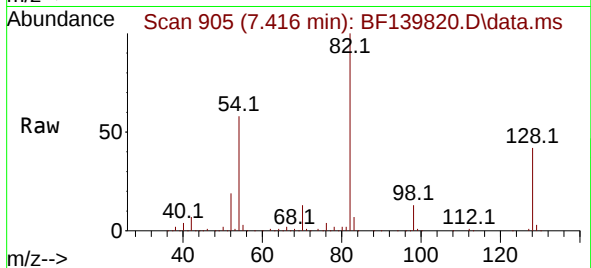
Tgt Ion: 136 Resp: 313413
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 9.8 7.7 11.5
68 6.2 4.9 7.3



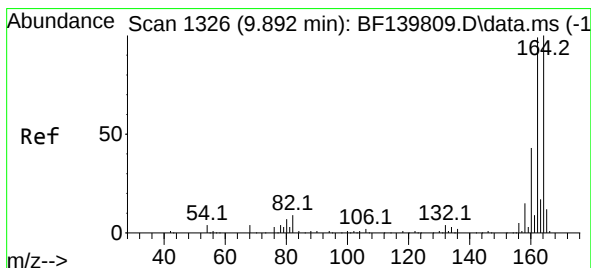
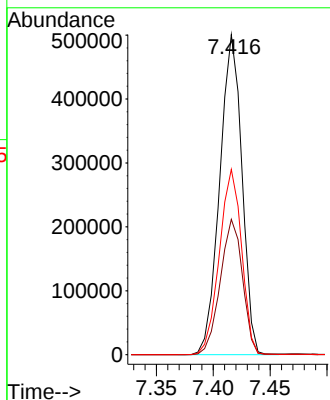
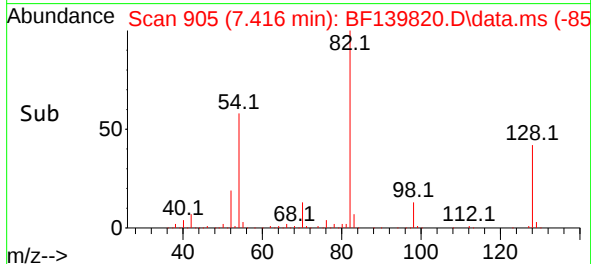


#23
Nitrobenzene-d5
Concen: 111.705 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP Soil

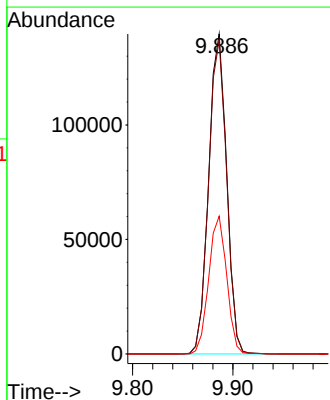
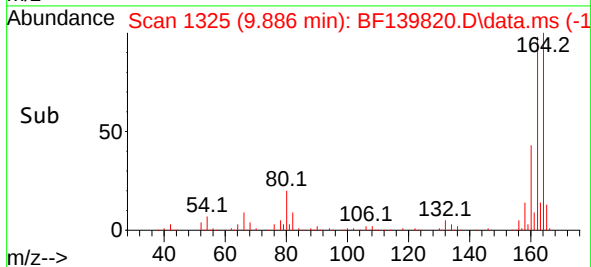
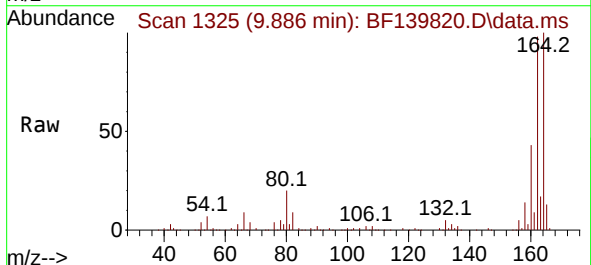


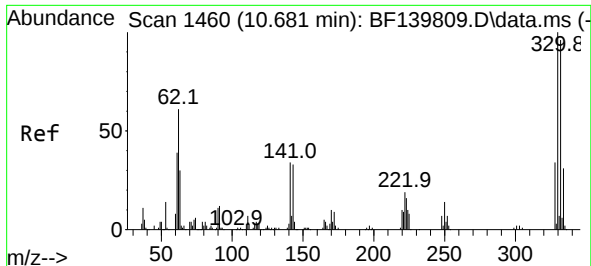
Tgt Ion: 82 Resp: 680195
Ion Ratio Lower Upper
82 100
128 42.3 33.9 50.9
54 57.9 46.9 70.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

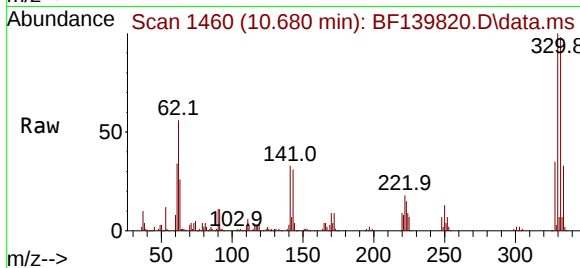
Tgt Ion:164 Resp: 174555
Ion Ratio Lower Upper
164 100
162 97.9 79.1 118.7
160 43.0 34.4 51.6



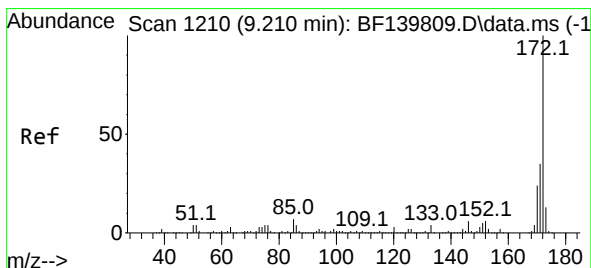
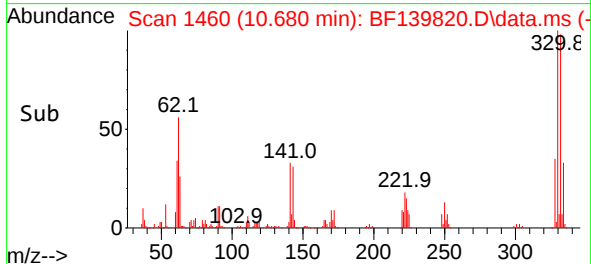
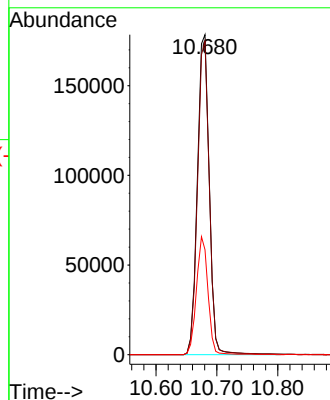


#42
2,4,6-Tribromophenol
Concen: 164.585 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

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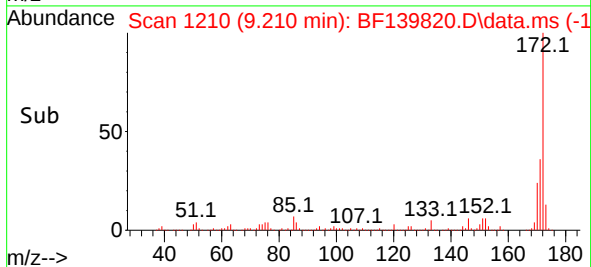
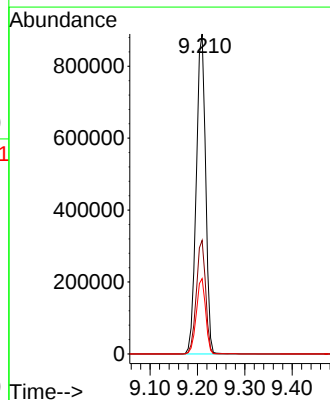
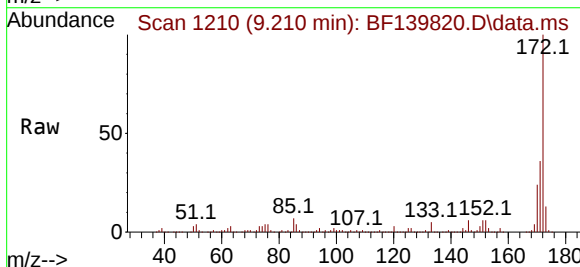


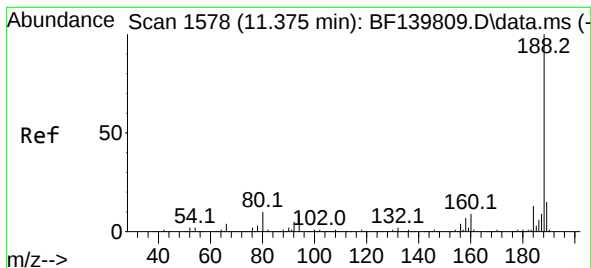
Tgt Ion: 330 Resp: 242296
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 35.9 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 104.725 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.000 min
Lab File: BF139820.D
Acq: 15 Oct 2024 18:59

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139820.D

Acq: 15 Oct 2024 18:59

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP Soil

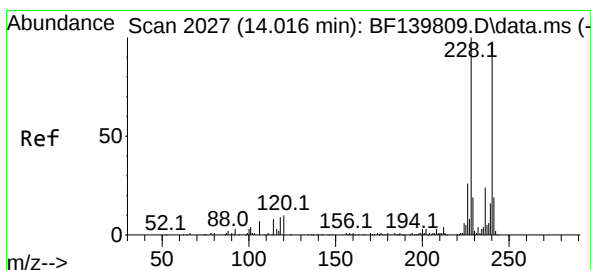
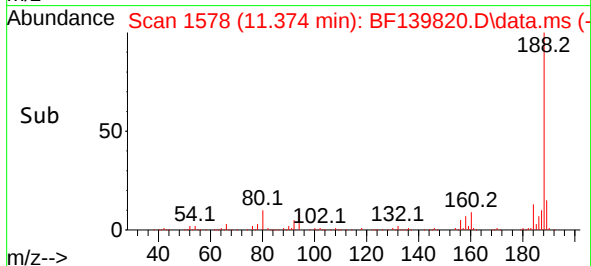
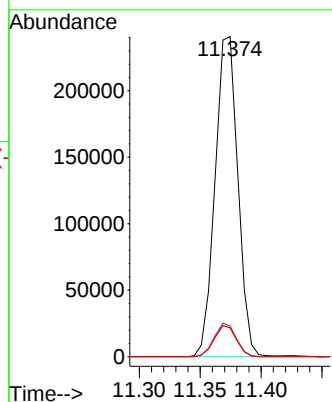
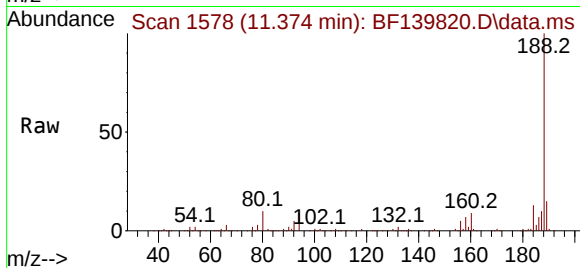
Tgt Ion:188 Resp: 313512

Ion Ratio Lower Upper

188 100

94 9.0 7.3 10.9

80 9.6 7.8 11.8



#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

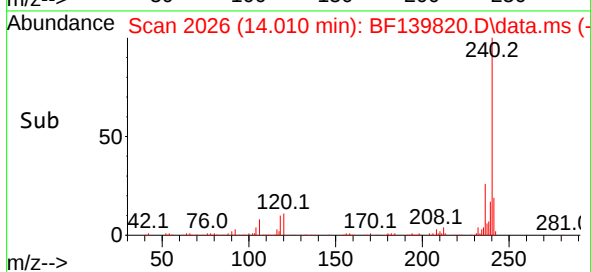
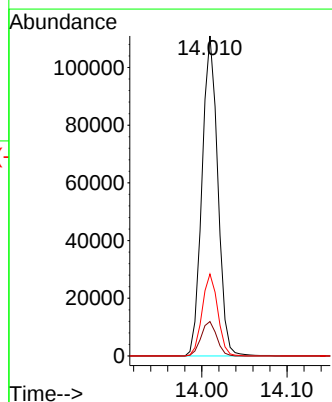
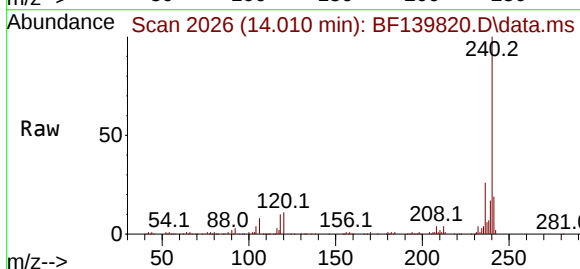
Tgt Ion:240 Resp: 142467

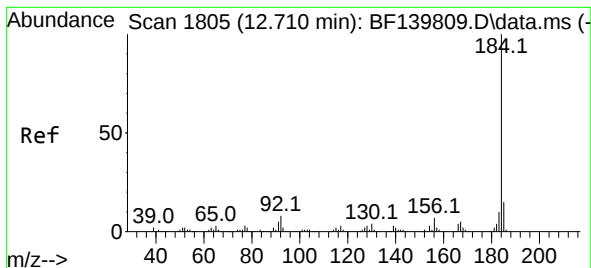
Ion Ratio Lower Upper

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

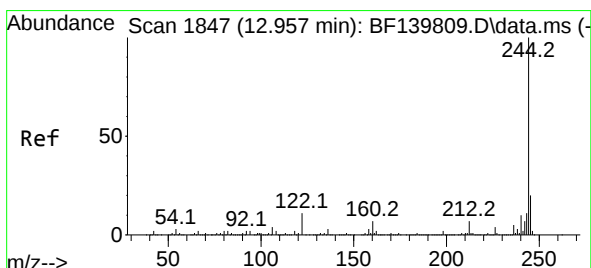
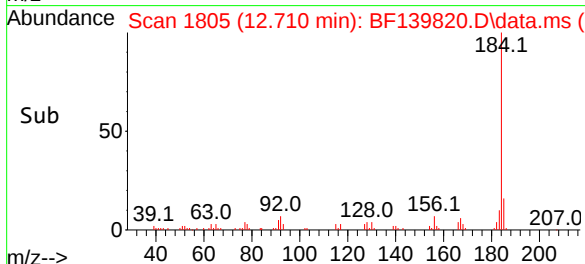
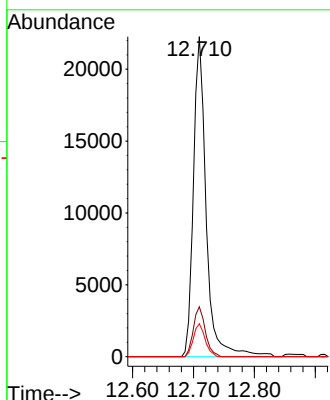
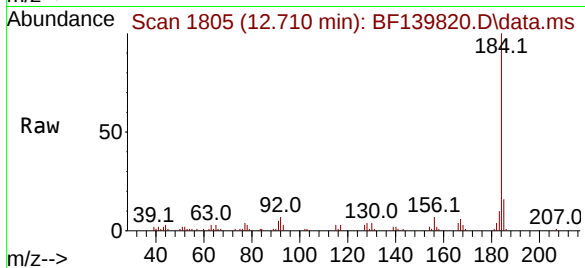
Tgt Ion:184 Resp: 32409

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

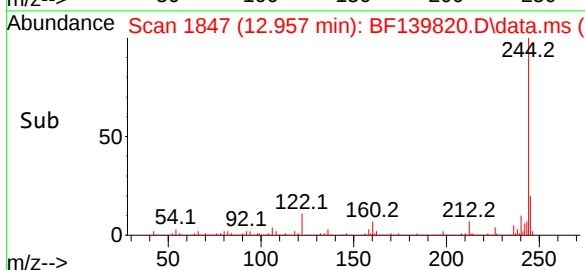
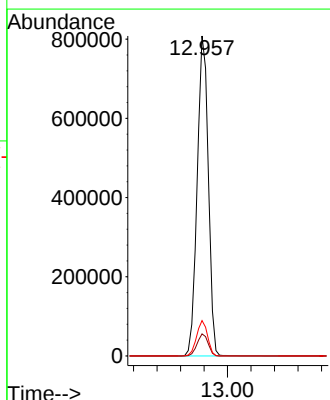
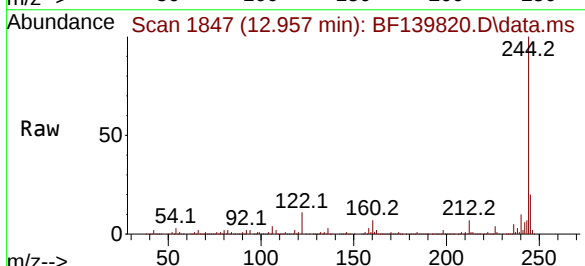
Tgt Ion:244 Resp: 1059842

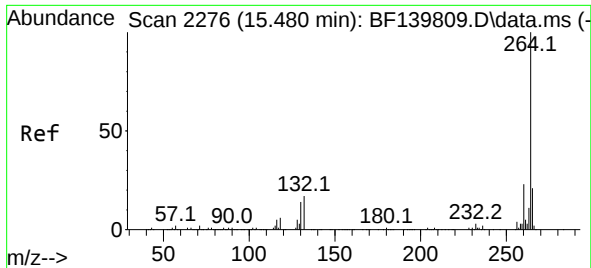
Ion Ratio Lower Upper

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
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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

