

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

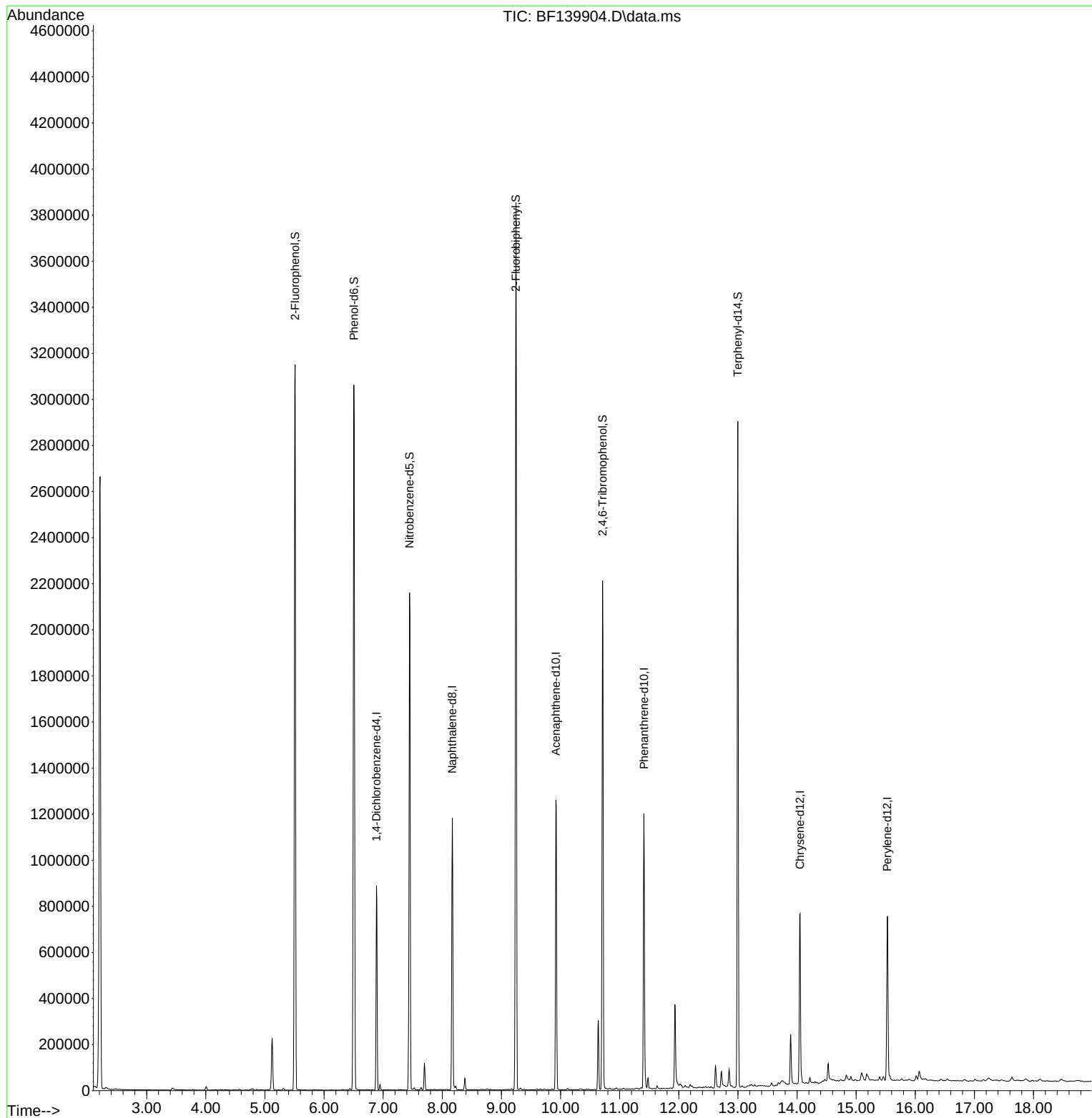
Target Compounds	Qvalue

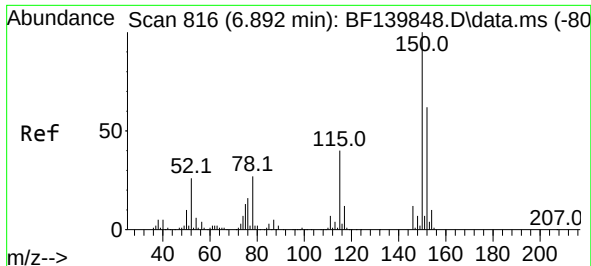
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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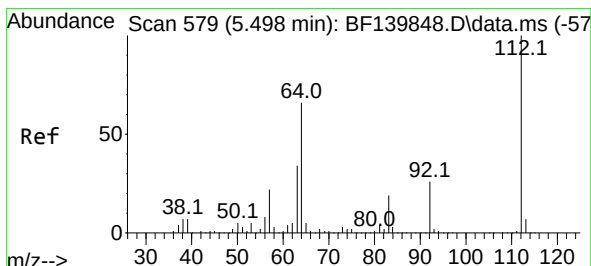
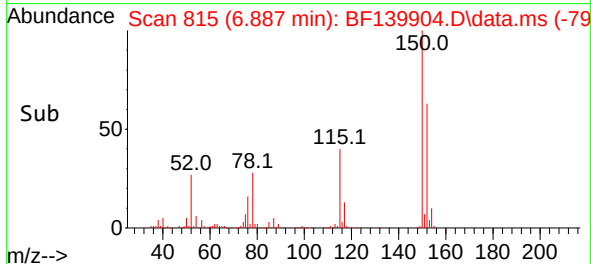
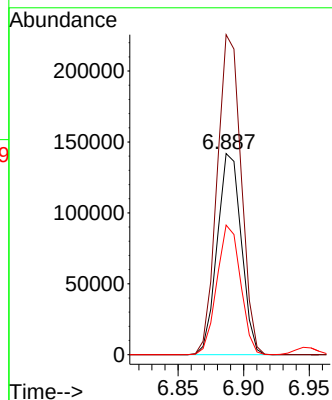
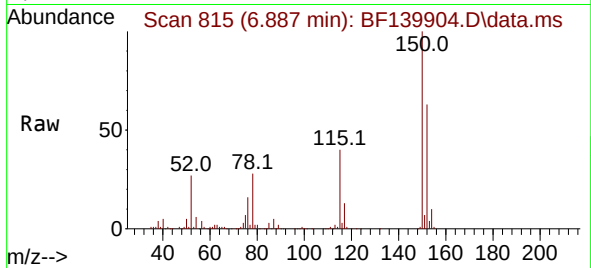




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

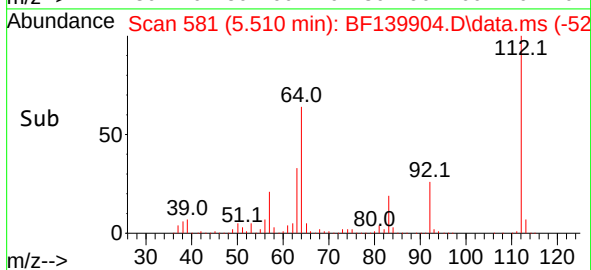
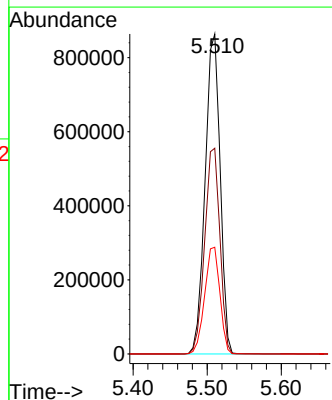
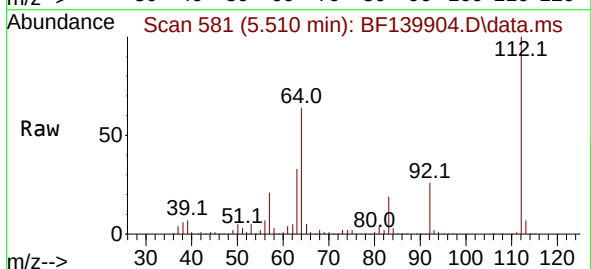
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

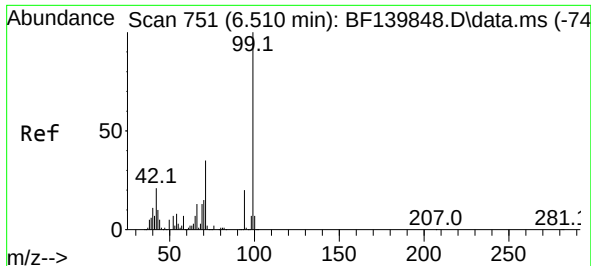
Tgt Ion:152 Resp: 180620
Ion Ratio Lower Upper
152 100
150 159.1 130.2 195.2
115 64.4 51.4 77.2



#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

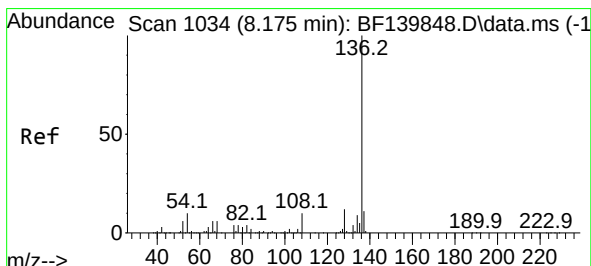
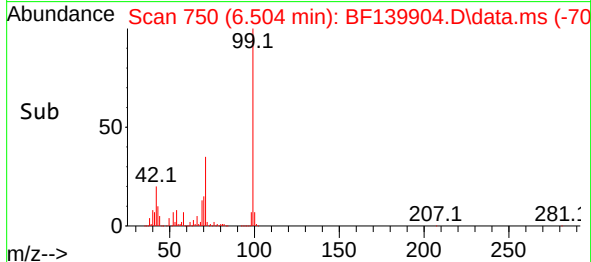
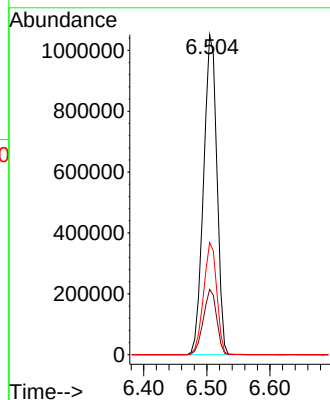
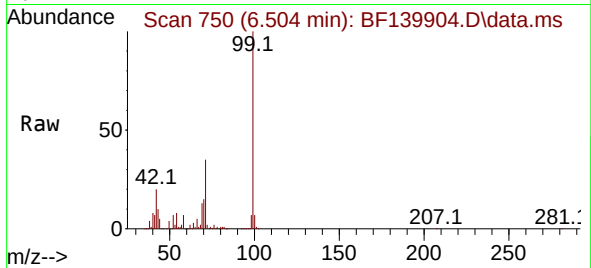




#7
Phenol-d6
Concen: 103.334 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

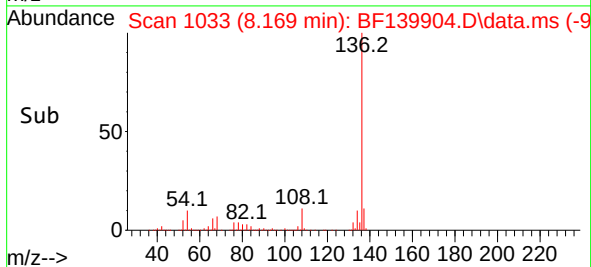
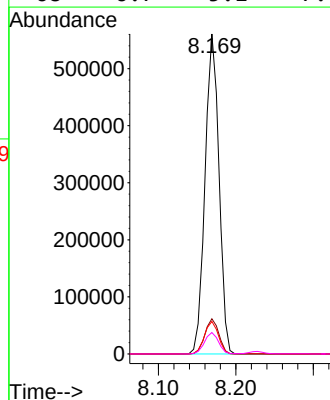
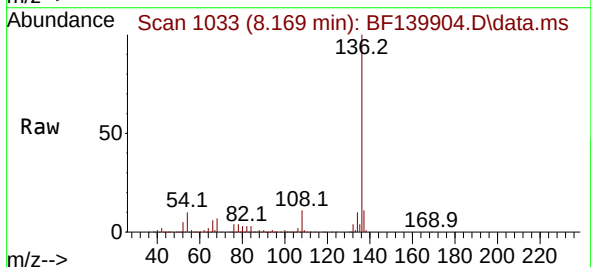
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

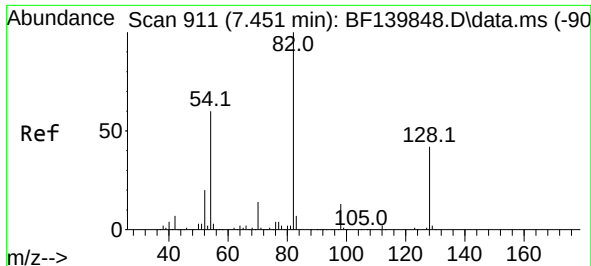
Tgt Ion: 99 Resp: 1544130
Ion Ratio Lower Upper
99 100
42 20.4 16.7 25.1
71 35.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

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

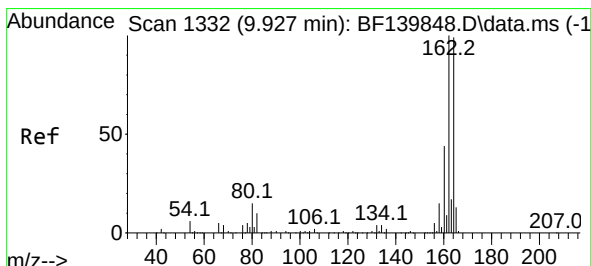
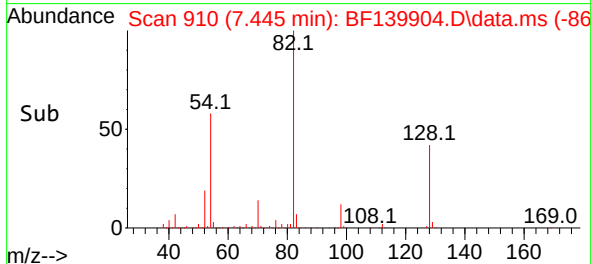
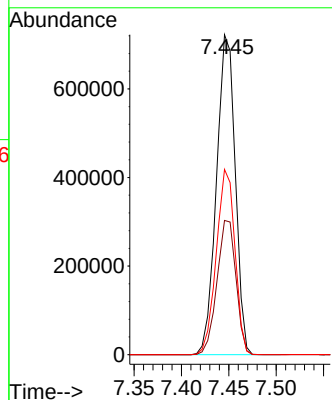
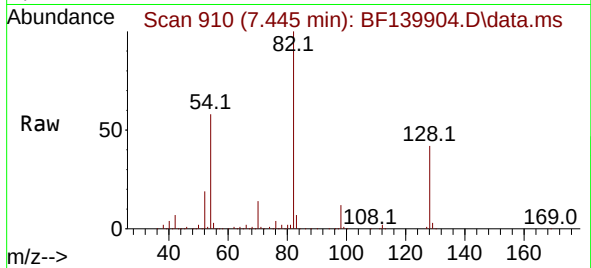




#23
Nitrobenzene-d5
Concen: 78.916 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139904.D
Acq: 21 Oct 2024 15:44

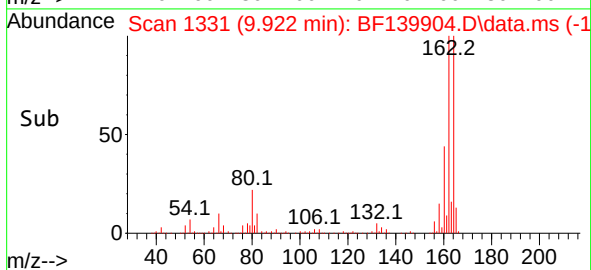
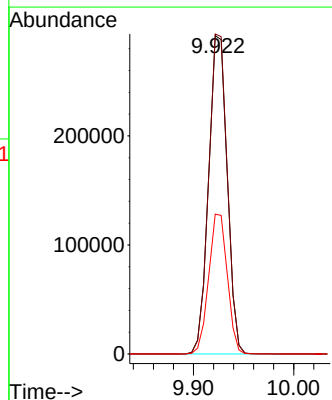
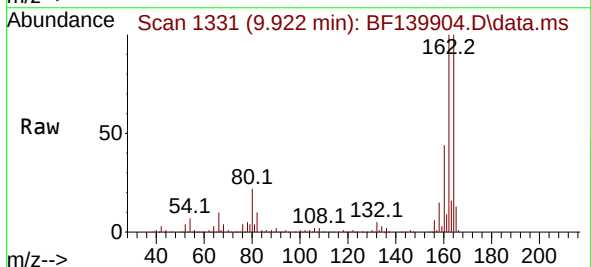
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilRE

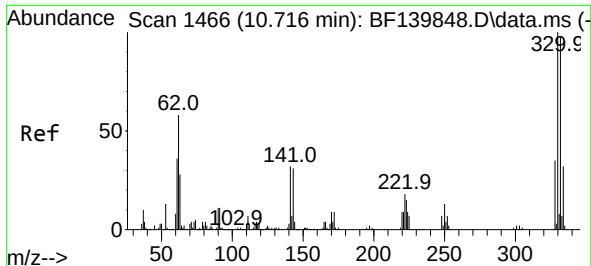
Tgt Ion: 82 Resp: 996700
Ion Ratio Lower Upper
82 100
128 41.9 33.4 50.0
54 57.9 47.8 71.8



#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

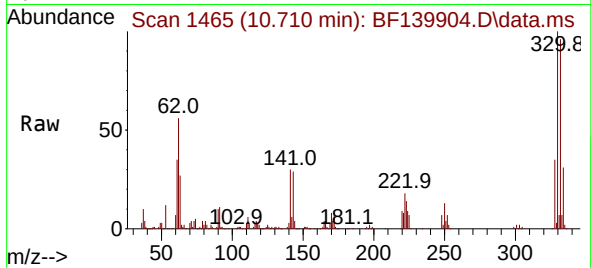
Acq: 21 Oct 2024 15:44

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilRE



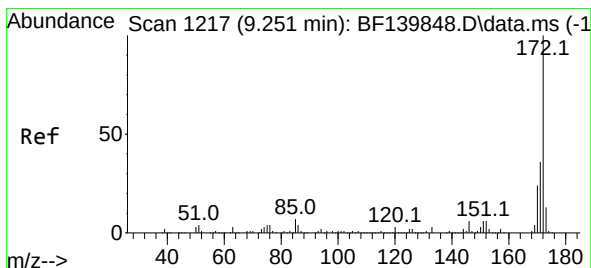
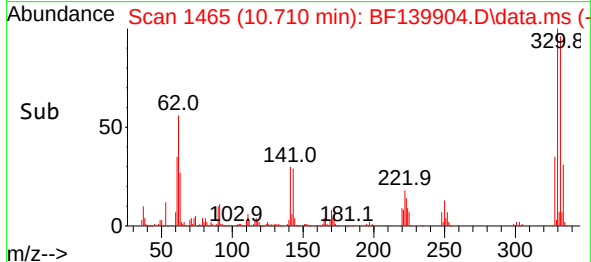
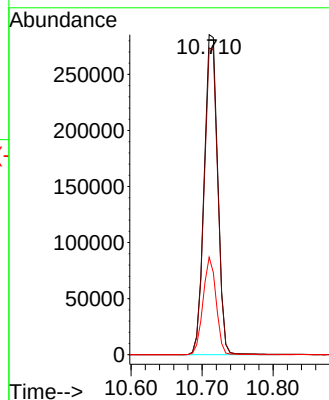
Tgt Ion:330 Resp: 380419

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

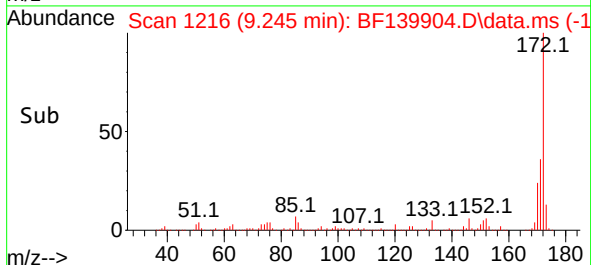
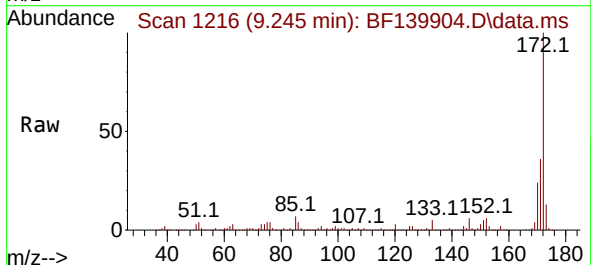
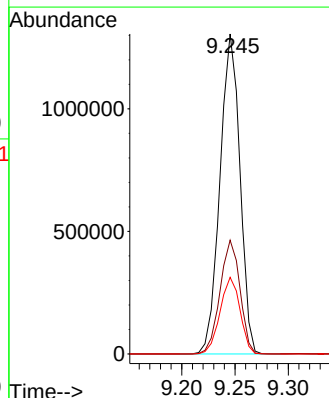
Tgt Ion:172 Resp: 1698880

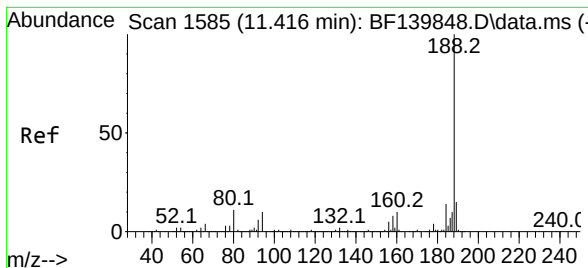
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.9 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139904.D

Acq: 21 Oct 2024 15:44

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilRE

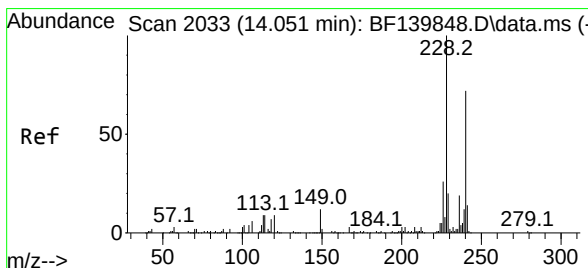
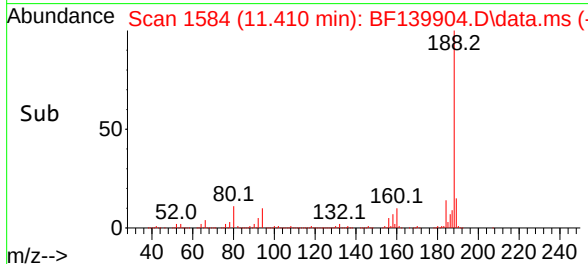
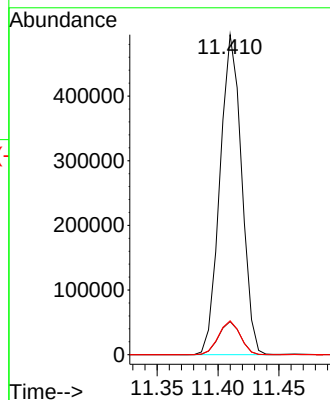
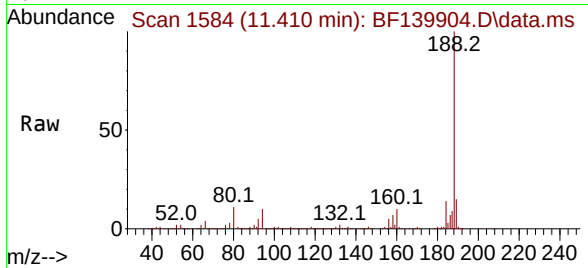
Tgt Ion:188 Resp: 613880

Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 10.6 9.0 13.4



#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

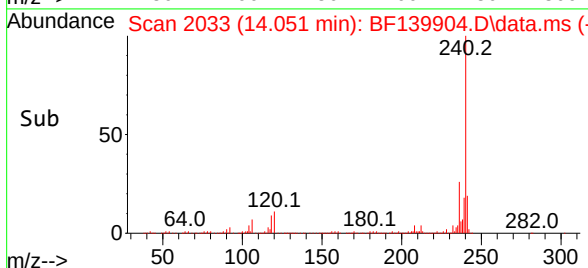
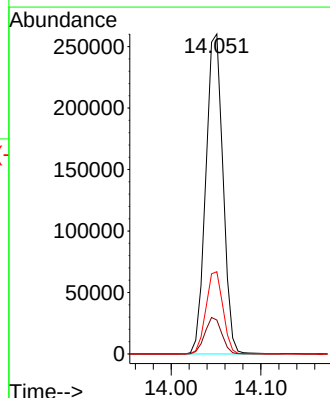
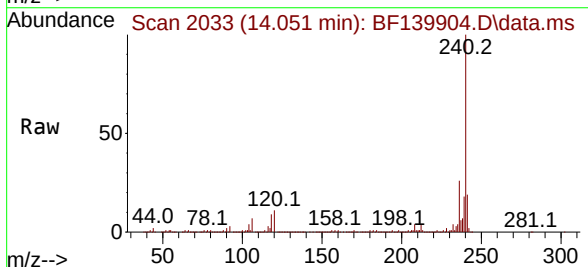
Tgt Ion:240 Resp: 346134

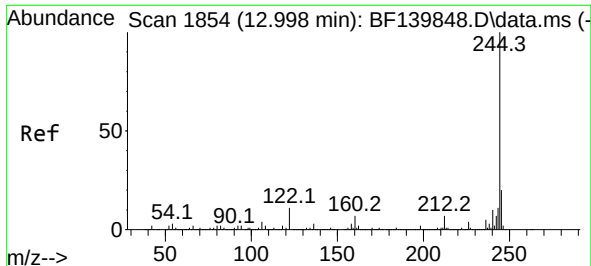
Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 25.7 20.9 31.3

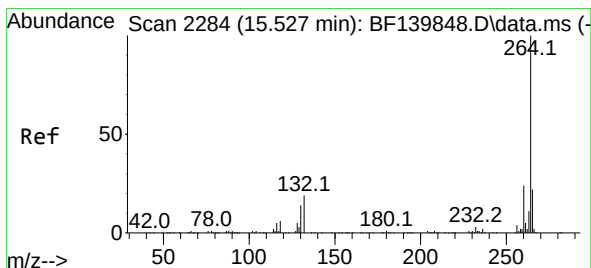
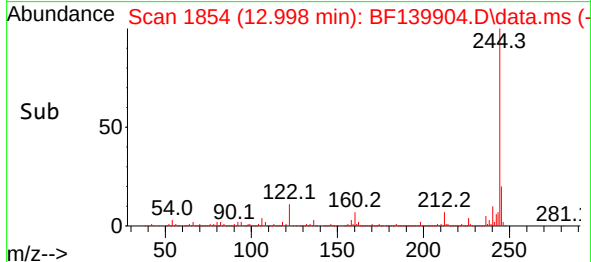
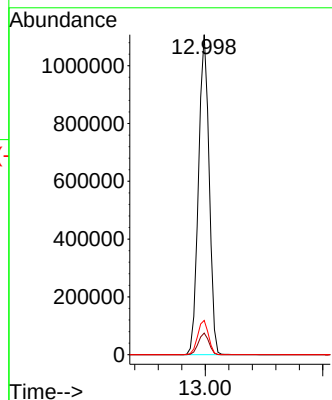
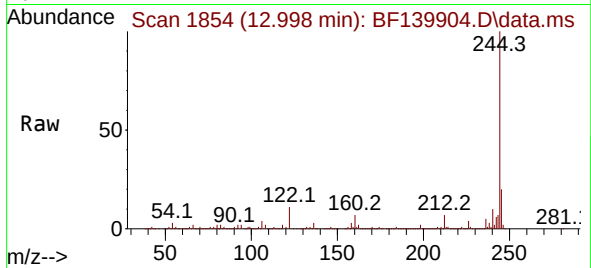




#79
 Terphenyl-d14
 Concen: 65.369 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139904.D
 Acq: 21 Oct 2024 15:44

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilRE

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# 2284
 Delta R.T. 0.000 min
 Lab File: BF139904.D
 Acq: 21 Oct 2024 15:44

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

