

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141878.D
 Acq On : 06 Mar 2025 19:58
 Operator : RC/JU
 Sample : Q1494-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 07 00:21:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	164831	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	617220	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	263688	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	410085	20.000	ng	# 0.02
76) Chrysene-d12	14.063	240	421152	20.000	ng	0.01
86) Perylene-d12	15.521	264	438270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	883968	85.644	ng	0.00
7) Phenol-d6	6.504	99	1113960	82.920	ng	0.00
23) Nitrobenzene-d5	7.440	82	715027	74.049	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	341670	138.018	ng	0.01
45) 2-Fluorobiphenyl	9.239	172	1240657	75.442	ng	0.00
79) Terphenyl-d14	13.016	244	1423045	54.668	ng	0.02

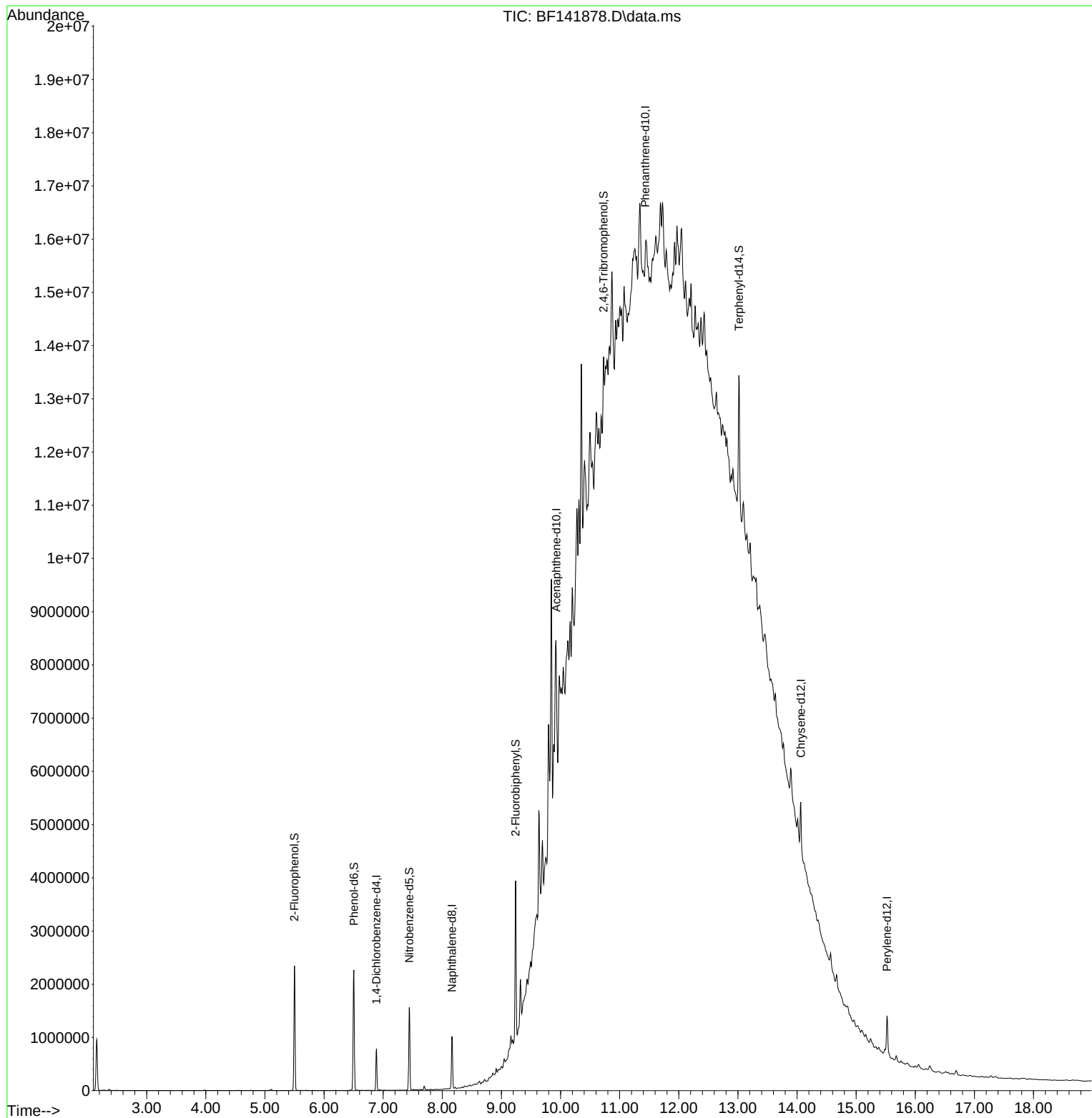
Target Compounds	Qvalue

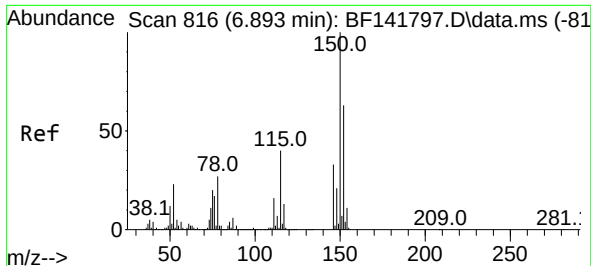
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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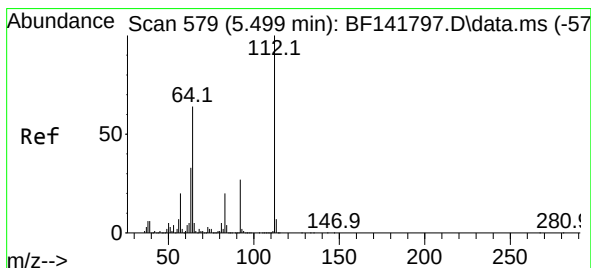
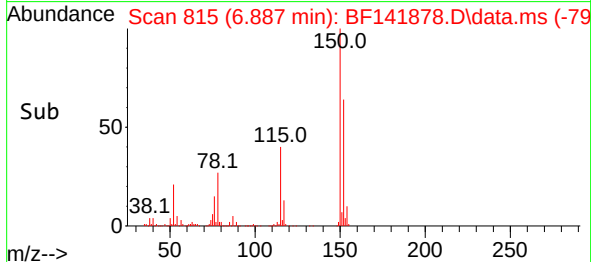
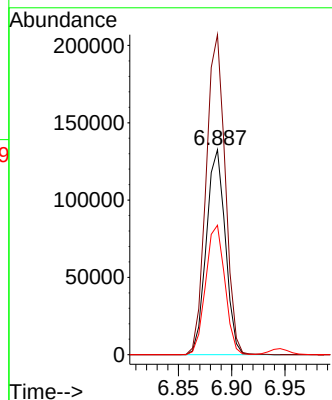
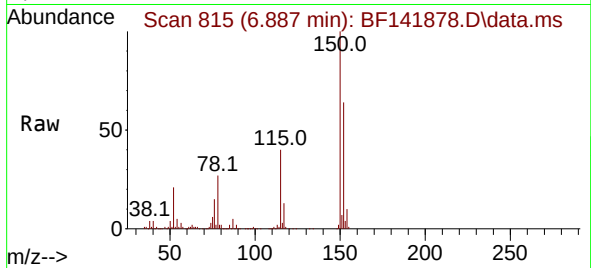




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141878.D
 Acq: 06 Mar 2025 19:58

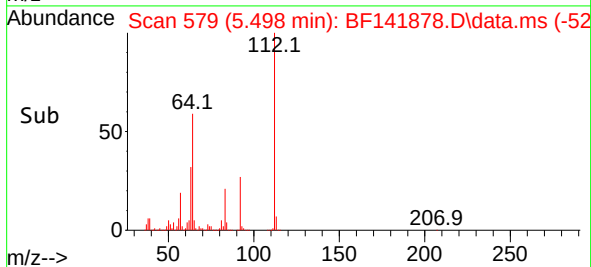
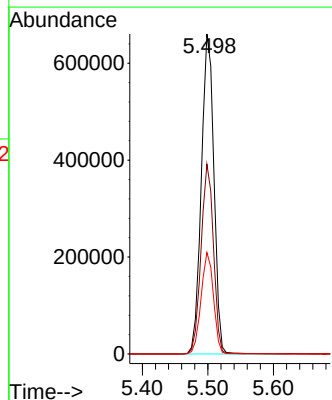
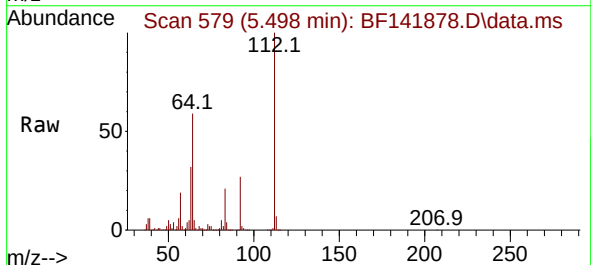
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

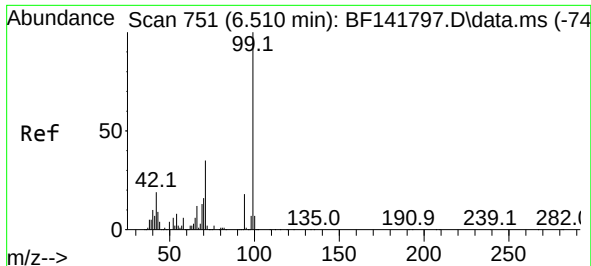
Tgt Ion:152 Resp: 164831
 Ion Ratio Lower Upper
 152 100
 150 156.1 127.5 191.3
 115 63.2 51.4 77.2



#5
 2-Fluorophenol
 Concen: 85.644 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141878.D
 Acq: 06 Mar 2025 19:58

Tgt Ion:112 Resp: 883968
 Ion Ratio Lower Upper
 112 100
 64 59.3 51.3 76.9
 63 31.7 26.2 39.4

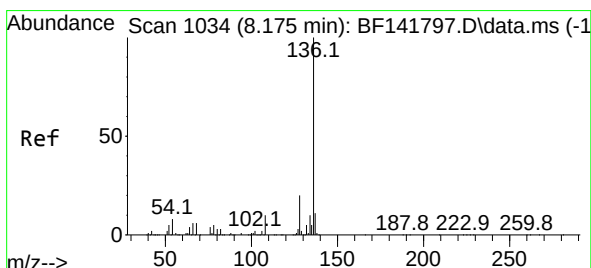
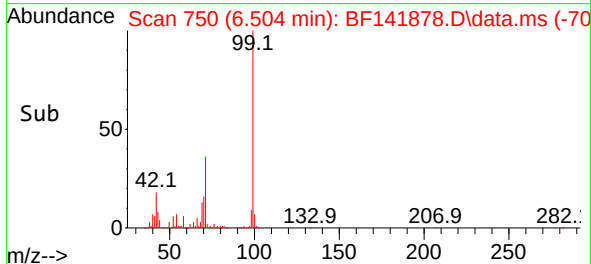
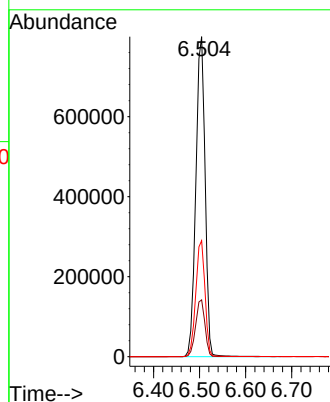
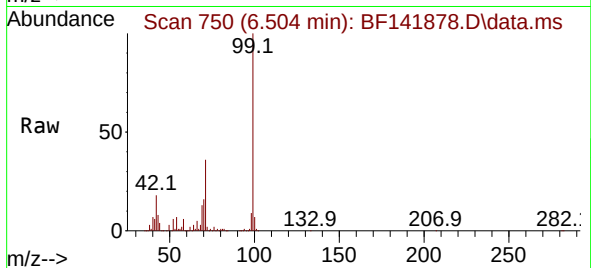




#7
Phenol-d6
Concen: 82.920 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

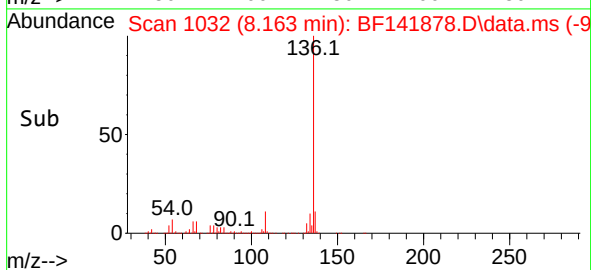
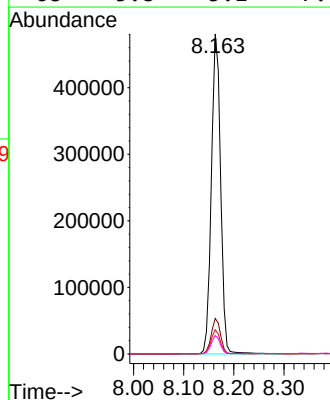
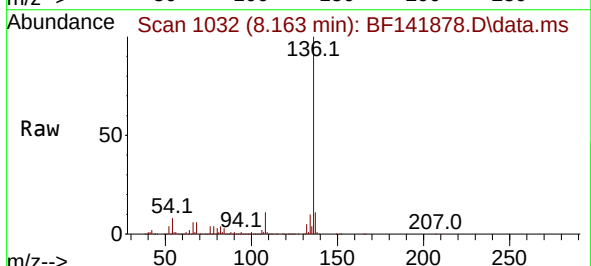
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

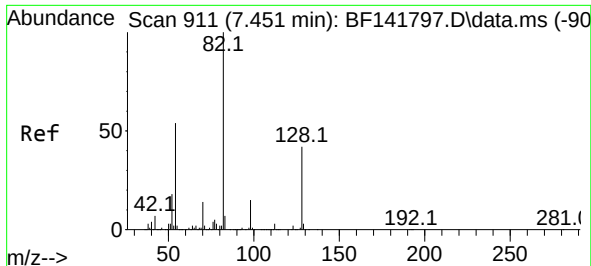
Tgt Ion: 99 Resp: 1113960
Ion Ratio Lower Upper
99 100
42 17.8 15.2 22.8
71 36.3 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion: 136 Resp: 617220
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 6.9 10.3
68 5.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 74.049 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

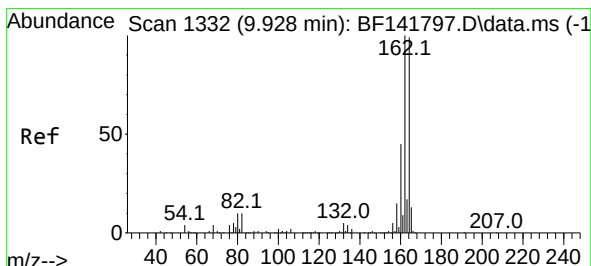
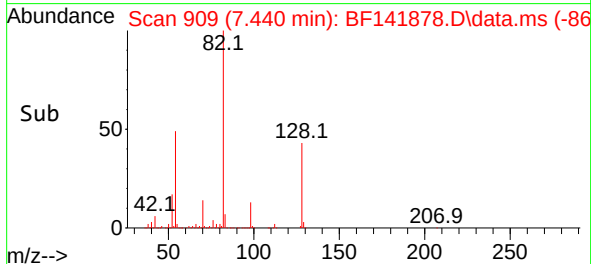
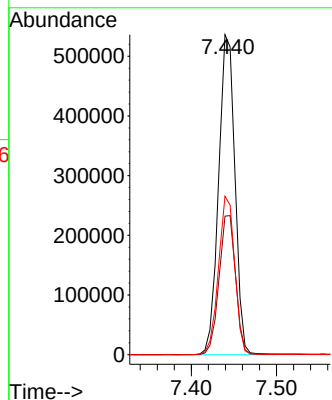
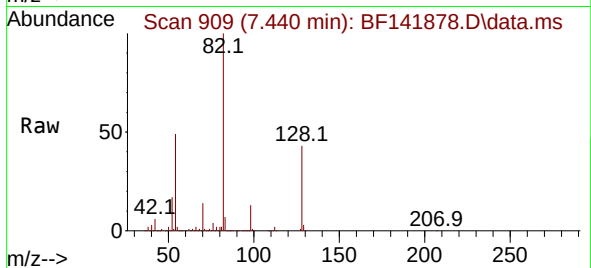
Tgt Ion: 82 Resp: 715027

Ion Ratio Lower Upper

82 100

128 43.3 33.5 50.3

54 49.5 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

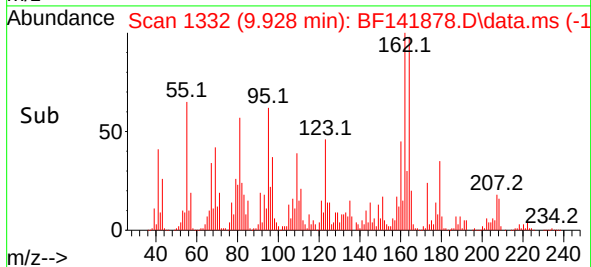
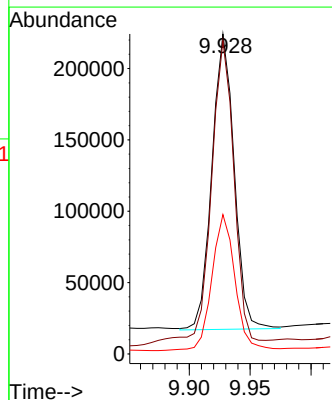
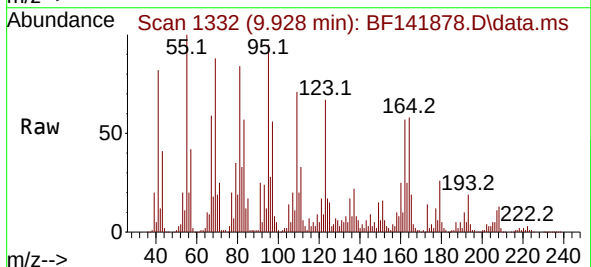
Tgt Ion: 164 Resp: 263688

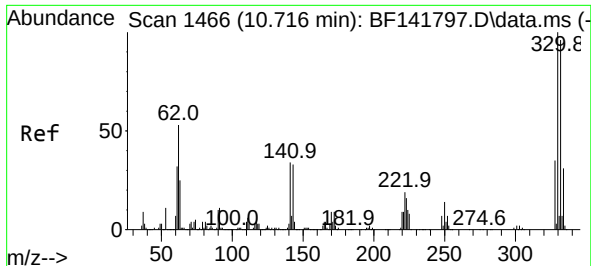
Ion Ratio Lower Upper

164 100

162 97.9 80.6 120.8

160 43.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 138.018 ng

RT: 10.728 min Scan# 1468

Delta R.T. 0.012 min

Lab File: BF141878.D

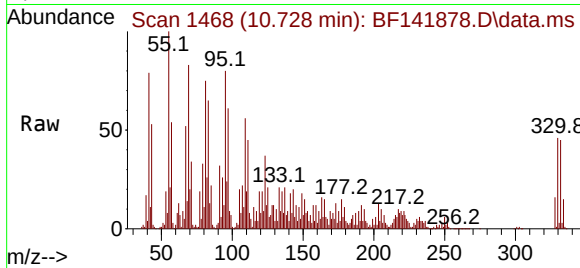
Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP



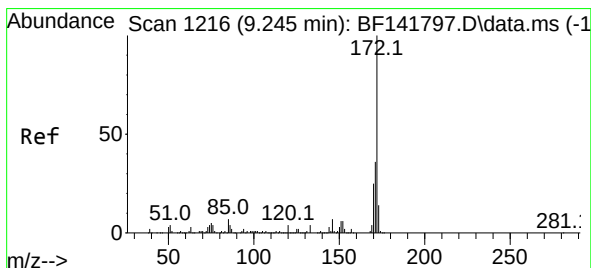
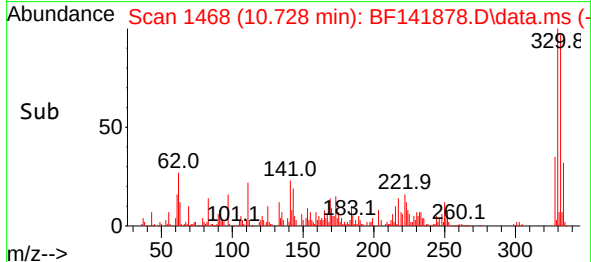
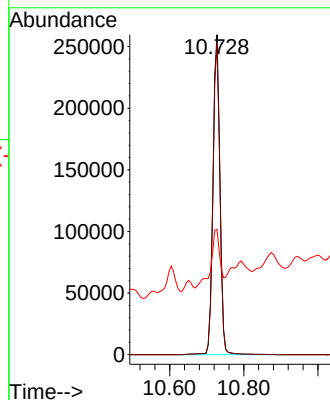
Tgt Ion:330 Resp: 341670

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

141 23.4 29.0 43.4#



#45

2-Fluorobiphenyl

Concen: 75.442 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

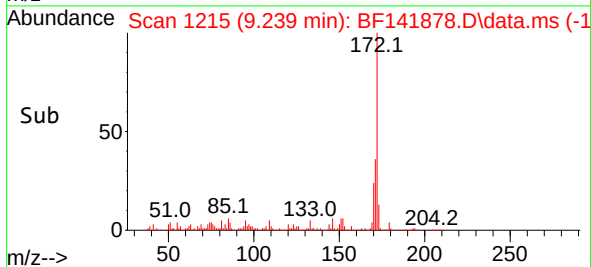
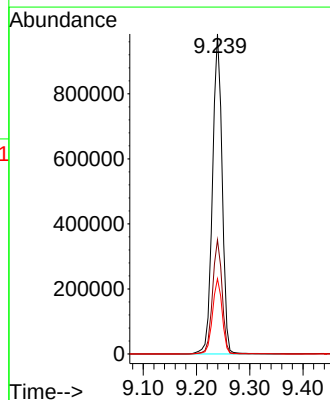
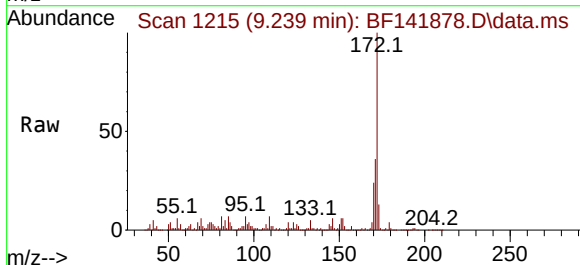
Tgt Ion:172 Resp: 1240657

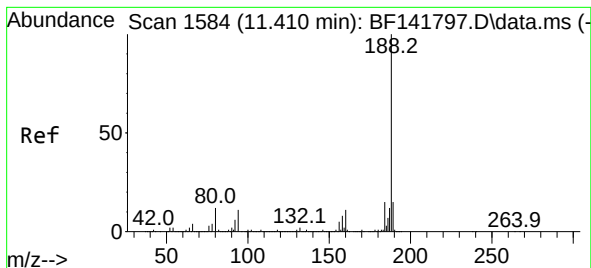
Ion Ratio Lower Upper

172 100

171 35.6 29.2 43.8

170 23.5 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

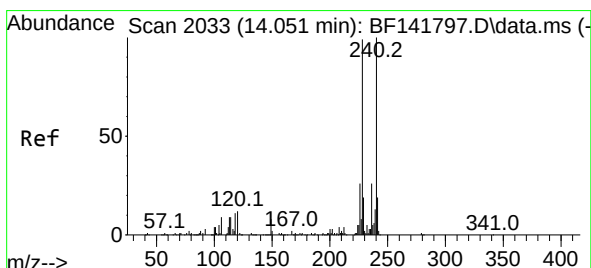
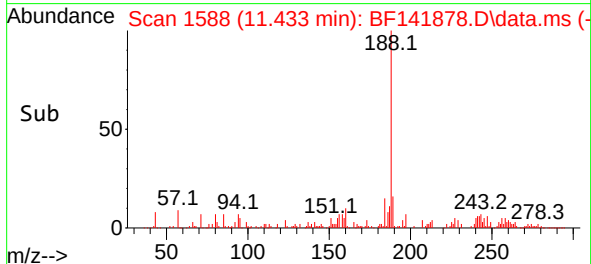
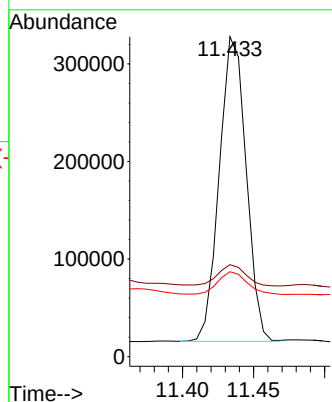
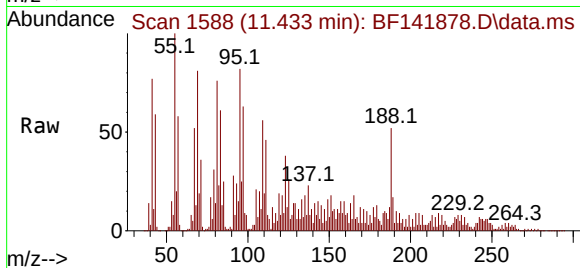
Tgt Ion:188 Resp: 410085

Ion Ratio Lower Upper

188 100

94 28.8 8.9 13.3#

80 26.6 9.7 14.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

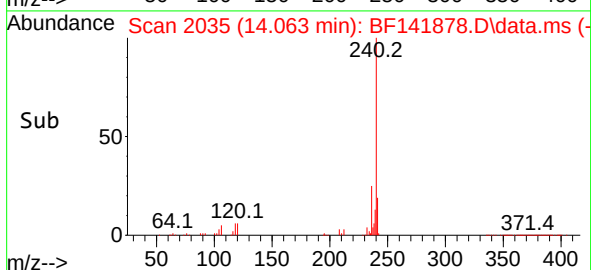
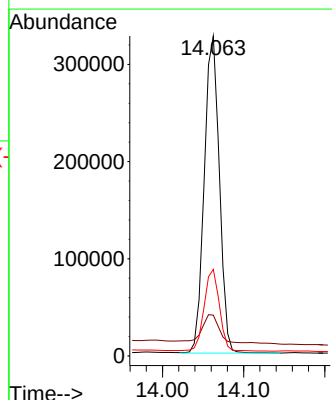
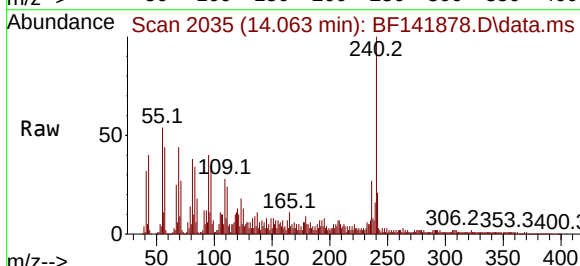
Tgt Ion:240 Resp: 421152

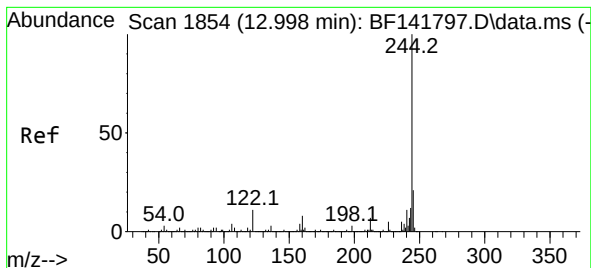
Ion Ratio Lower Upper

240 100

120 12.8 9.7 14.5

236 27.0 21.0 31.4





#79

Terphenyl-d14

Concen: 54.668 ng

RT: 13.016 min Scan# 1857

Delta R.T. 0.018 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

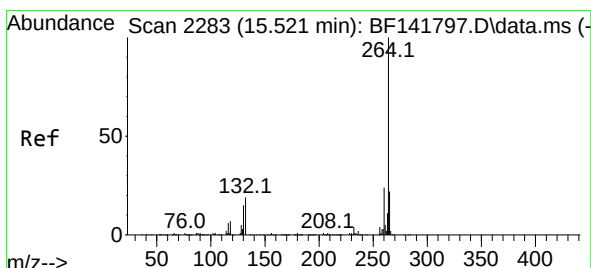
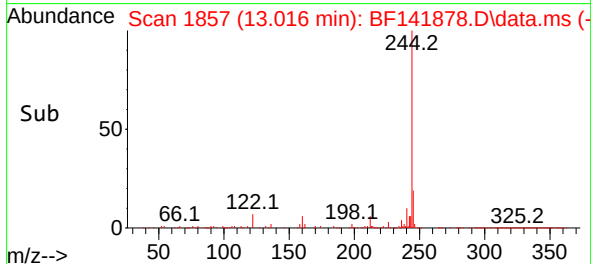
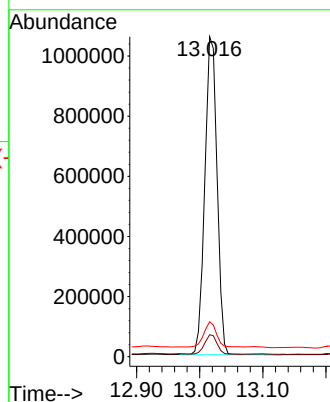
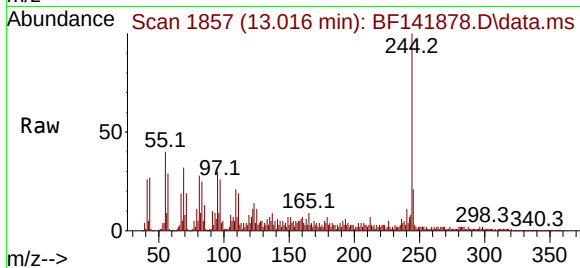
Tgt Ion:244 Resp: 1423045

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 10.9 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.000 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Tgt Ion:264 Resp: 438270

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.0 17.4 26.0

