

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135283.D
 Acq On : 15 Sep 2023 17:14
 Operator : CG\JU
 Sample : 04400-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JOYCE-KILMER-SOIL

Quant Time: Sep 15 17:57:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	96927	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	367580	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	180493	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	308794	20.000	ng	0.00
76) Chrysene-d12	13.939	240	174141	20.000	ng	0.00
86) Perylene-d12	15.409	264	208873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	762784	127.996	ng	0.02
7) Phenol-d6	6.404	99	906755	119.660	ng	0.00
23) Nitrobenzene-d5	7.322	82	642116	94.907	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	248683	138.645	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1146103	95.802	ng	-0.01
79) Terphenyl-d14	12.886	244	945146	84.136	ng	0.00

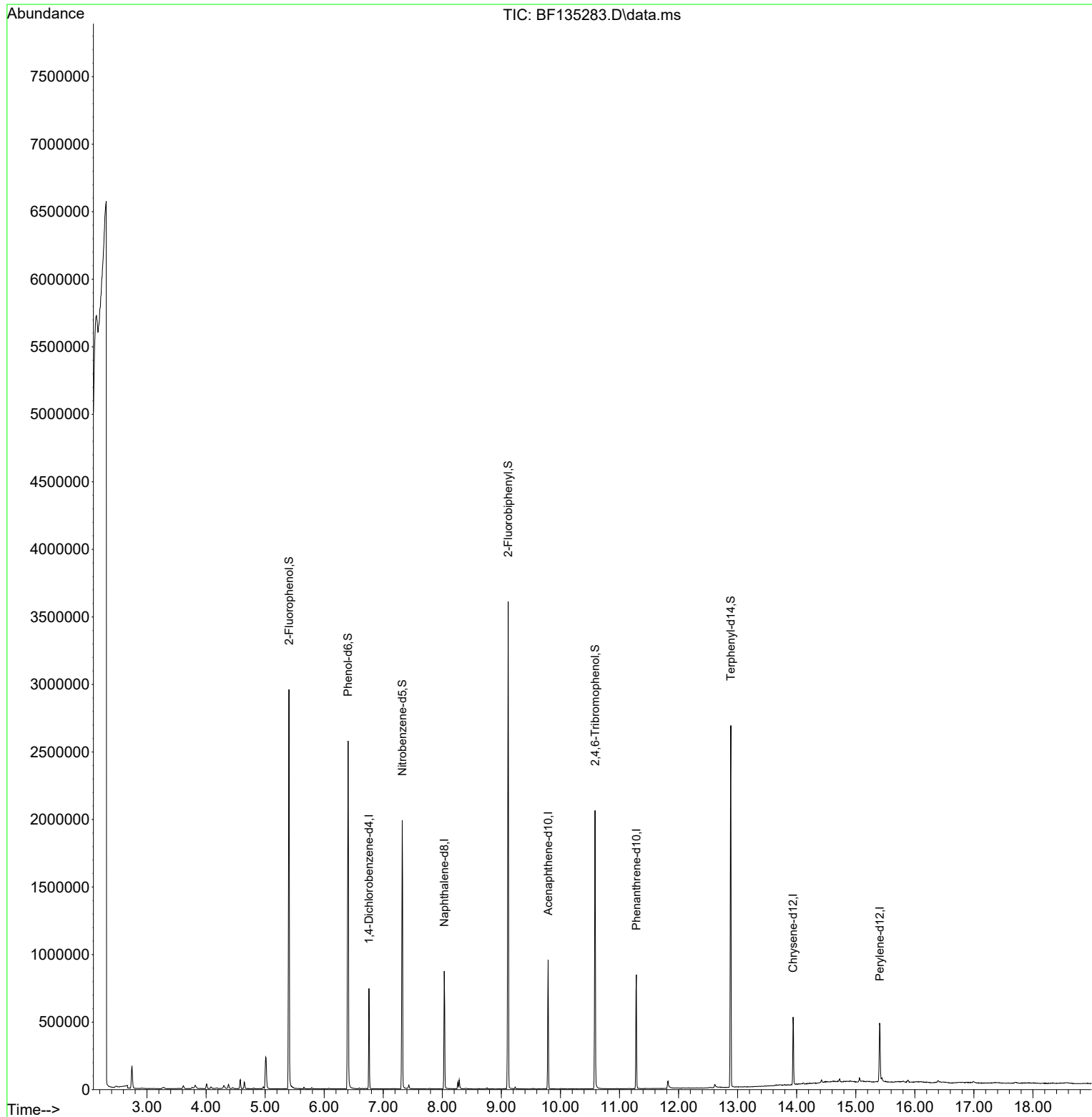
Target Compounds	Qvalue

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

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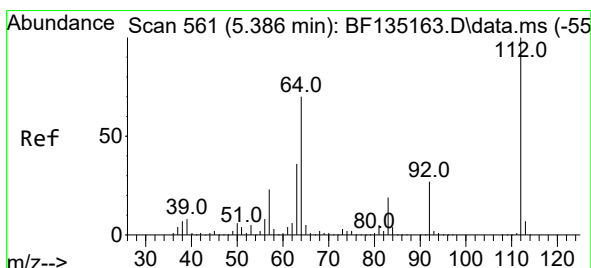
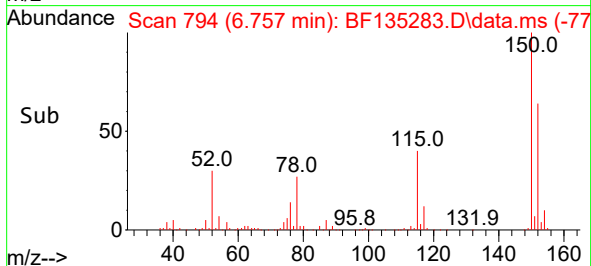
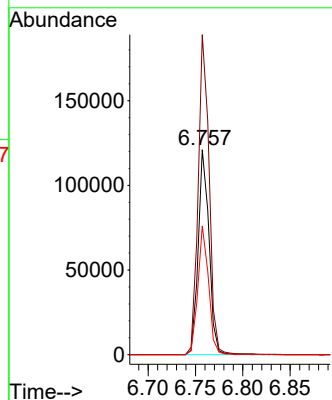
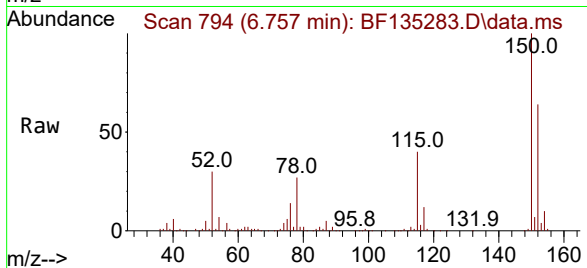




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

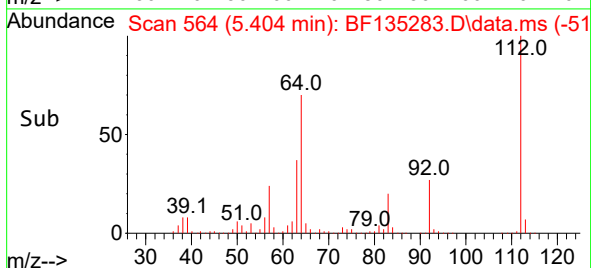
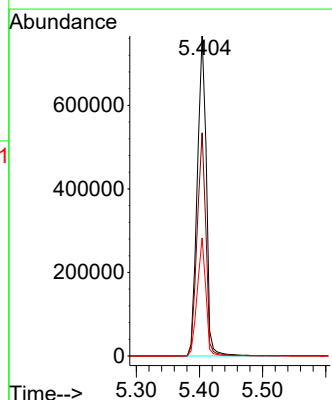
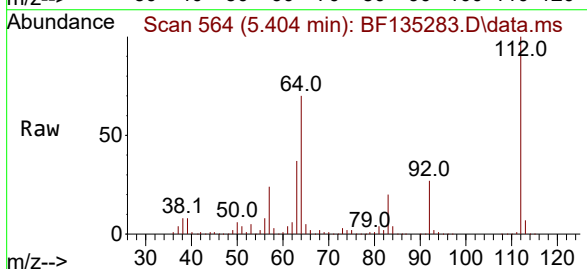
Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

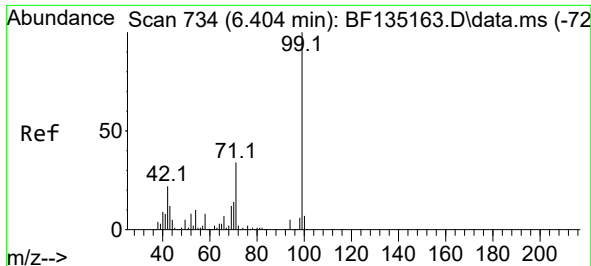
Tgt Ion:152 Resp: 96927
Ion Ratio Lower Upper
152 100
150 156.2 127.8 191.6
115 62.9 49.8 74.8



#5
2-Fluorophenol
Concen: 127.996 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

Tgt Ion:112 Resp: 762784
Ion Ratio Lower Upper
112 100
64 69.7 55.9 83.9
63 36.9 29.0 43.6

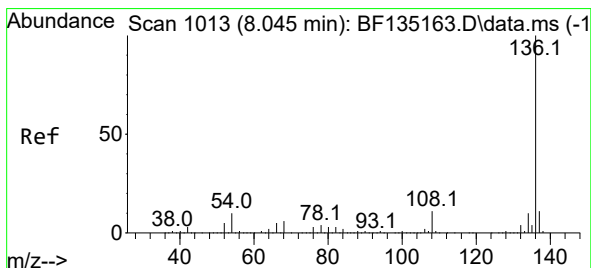
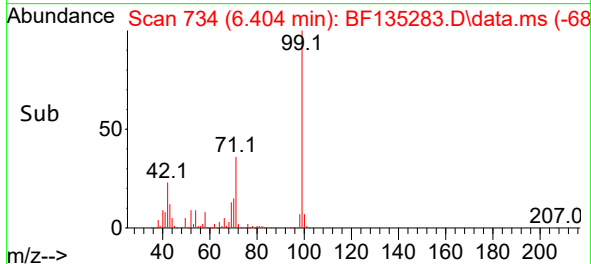
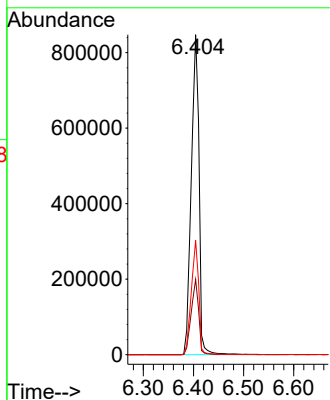
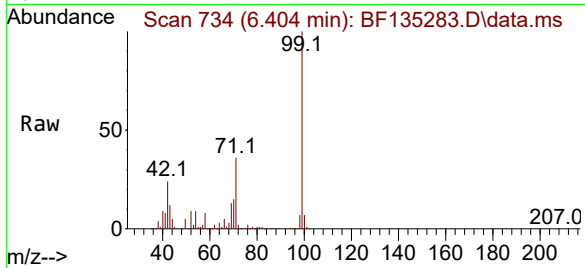




#7
Phenol-d6
Concen: 119.660 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

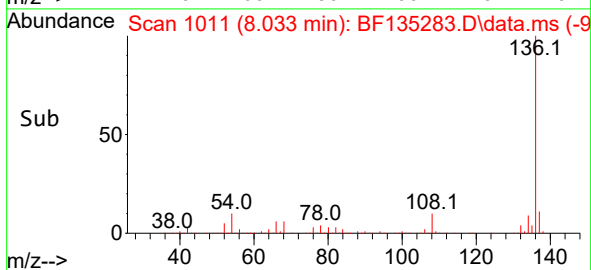
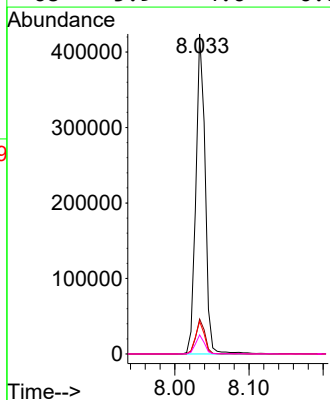
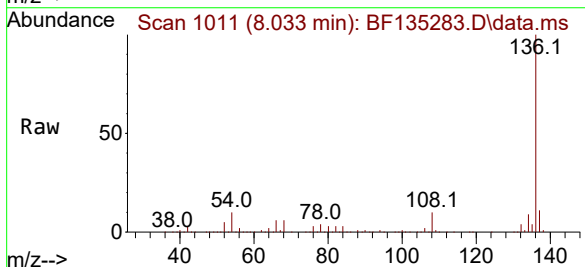
Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

Tgt Ion: 99 Resp: 906755
Ion Ratio Lower Upper
99 100
42 23.5 17.9 26.9
71 35.7 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

Tgt Ion:136 Resp: 367580
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.1 7.7 11.5
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 94.907 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135283.D

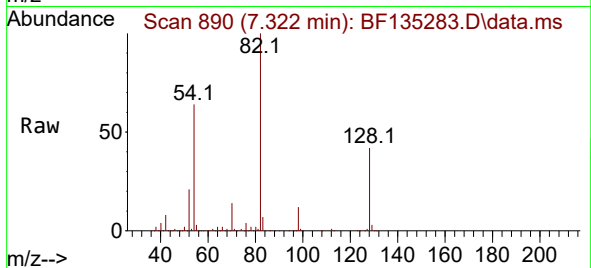
Acq: 15 Sep 2023 17:14

Instrument :

BNA_F

ClientSampleId :

JOYCE-KILMER-SOIL



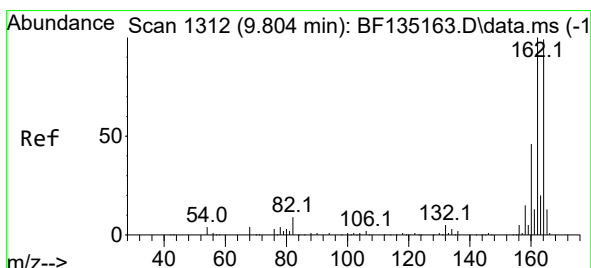
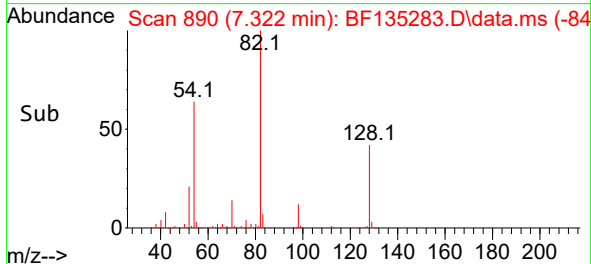
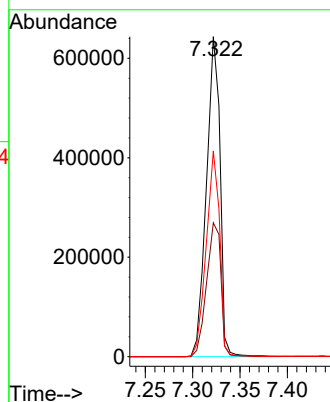
Tgt Ion: 82 Resp: 642116

Ion Ratio Lower Upper

82 100

128 41.9 35.8 53.6

54 64.3 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF135283.D

Acq: 15 Sep 2023 17:14

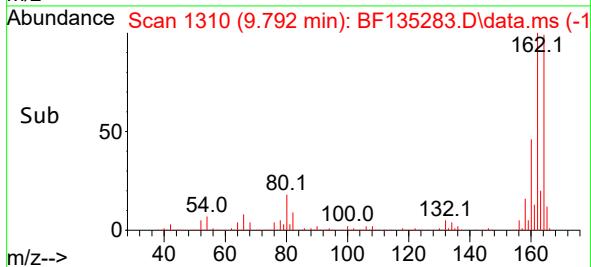
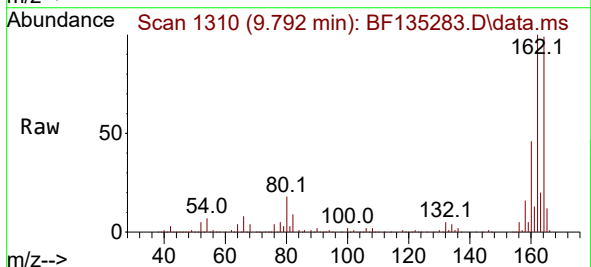
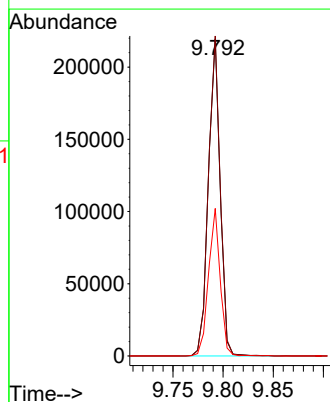
Tgt Ion: 164 Resp: 180493

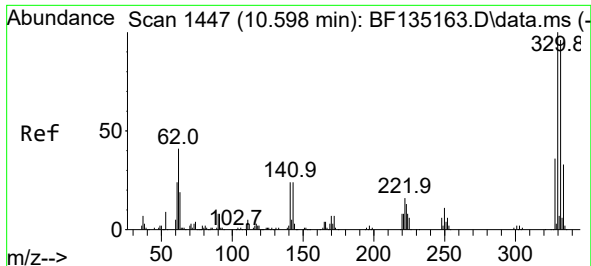
Ion Ratio Lower Upper

164 100

162 100.9 81.0 121.4

160 46.5 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 138.645 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135283.D

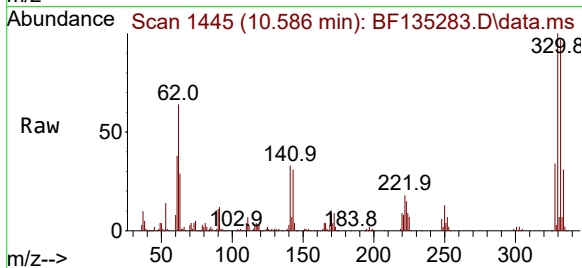
Acq: 15 Sep 2023 17:14

Instrument :

BNA_F

ClientSampleId :

JOYCE-KILMER-SOIL



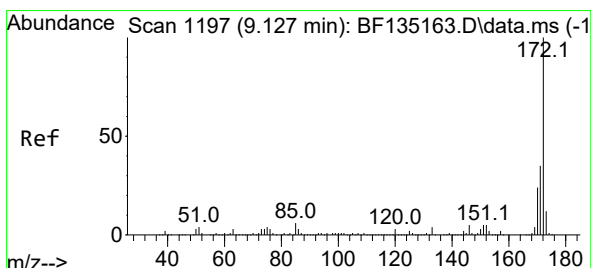
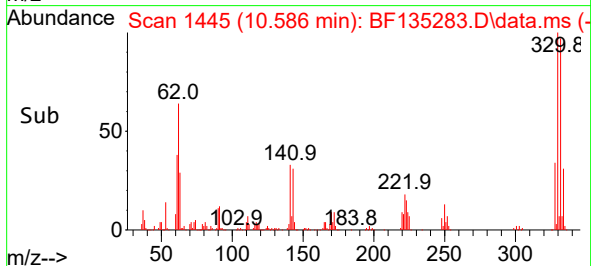
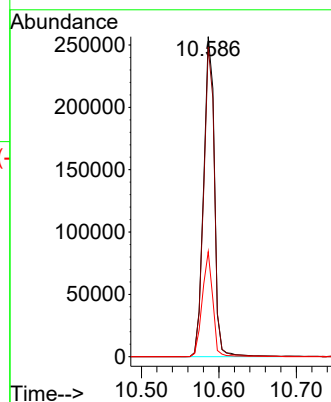
Tgt Ion:330 Resp: 248683

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 31.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 95.802 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135283.D

Acq: 15 Sep 2023 17:14

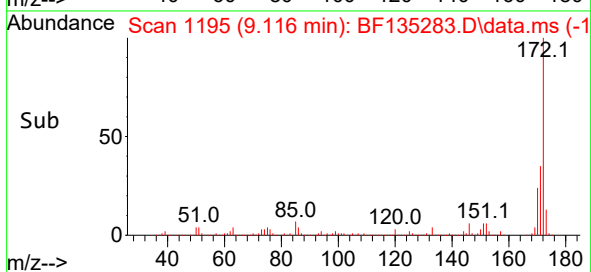
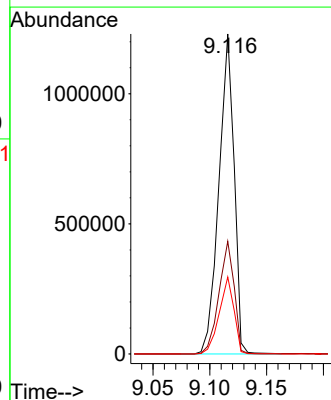
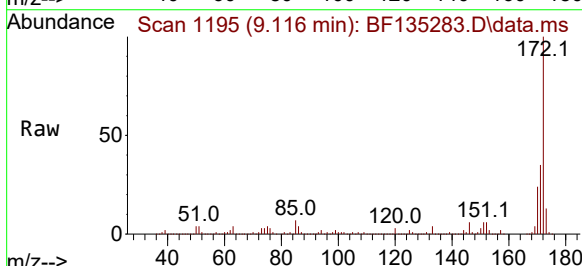
Tgt Ion:172 Resp: 1146103

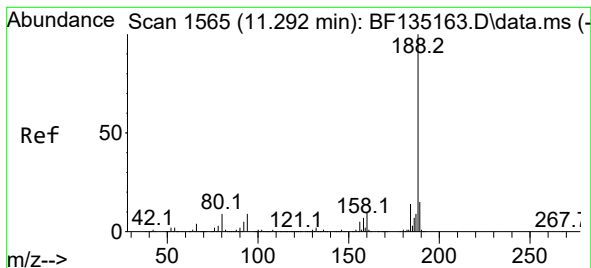
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 24.0 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135283.D

Acq: 15 Sep 2023 17:14

Instrument :

BNA_F

ClientSampleId :

JOYCE-KILMER-SOIL

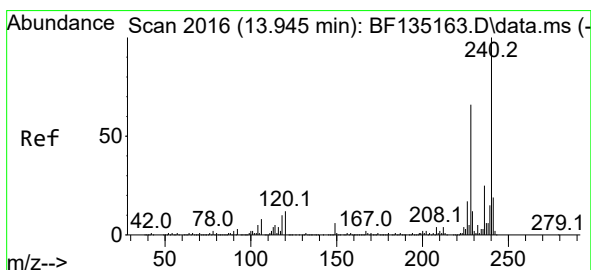
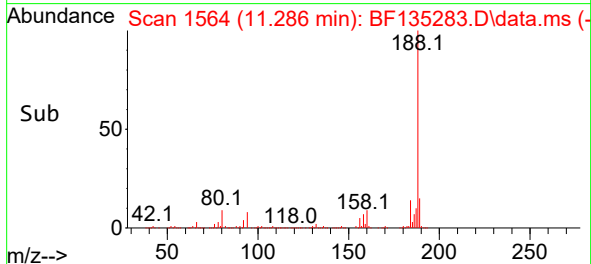
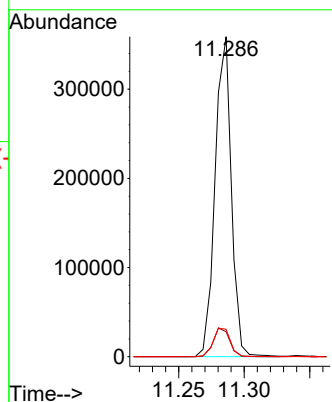
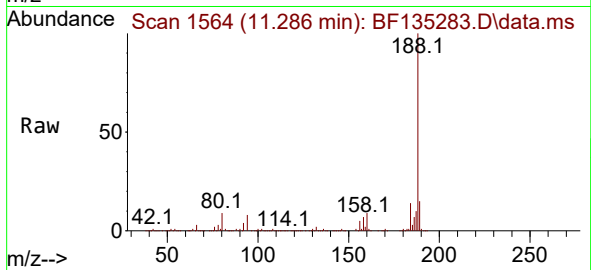
Tgt Ion:188 Resp: 308794

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

80 8.5 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF135283.D

Acq: 15 Sep 2023 17:14

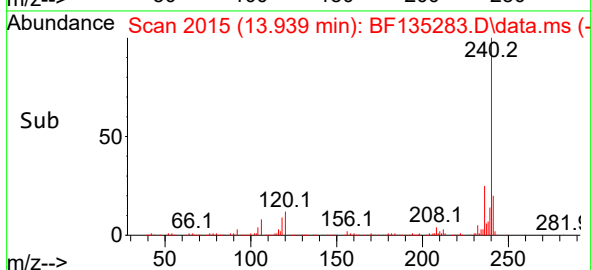
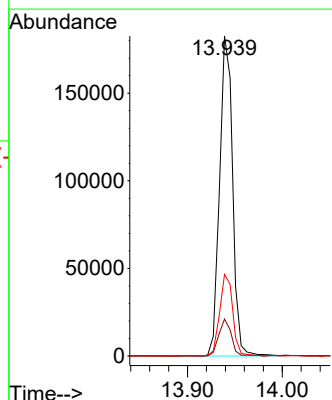
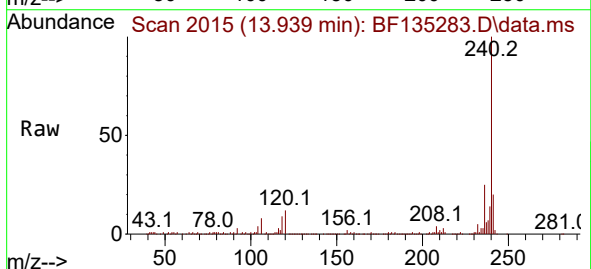
Tgt Ion:240 Resp: 174141

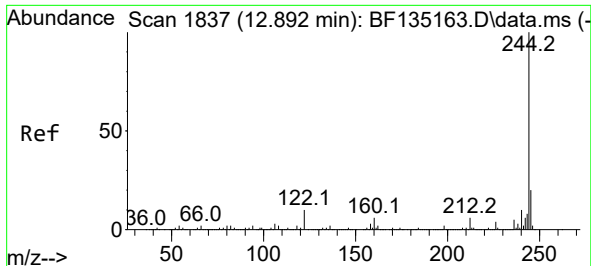
Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

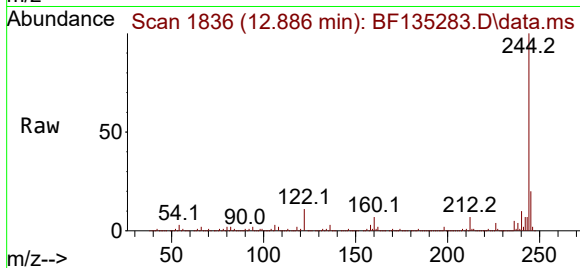
236 25.5 19.8 29.8



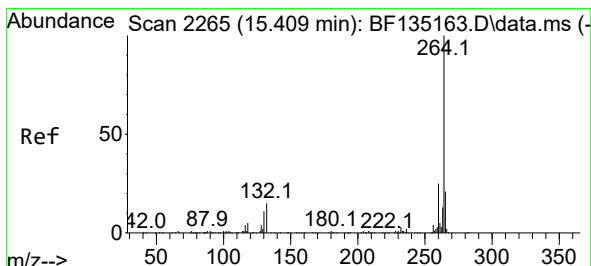
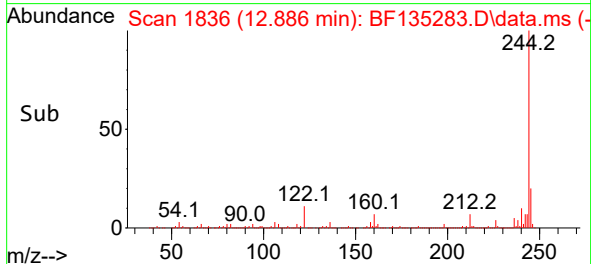
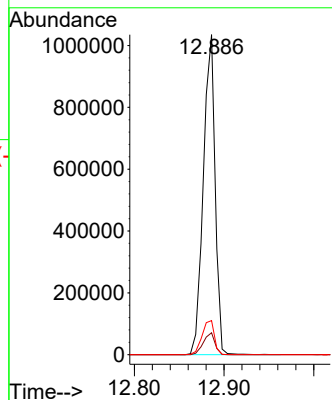


#79
 Terphenyl-d14
 Concen: 84.136 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135283.D
 Acq: 15 Sep 2023 17:14

Instrument :
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 JOYCE-KILMER-SOIL



Tgt Ion:244 Resp: 945146
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 10.7 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: BF135283.D
 Acq: 15 Sep 2023 17:14

Tgt Ion:264 Resp: 208873
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.8 29.6
 265 20.7 17.0 25.4

