

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)

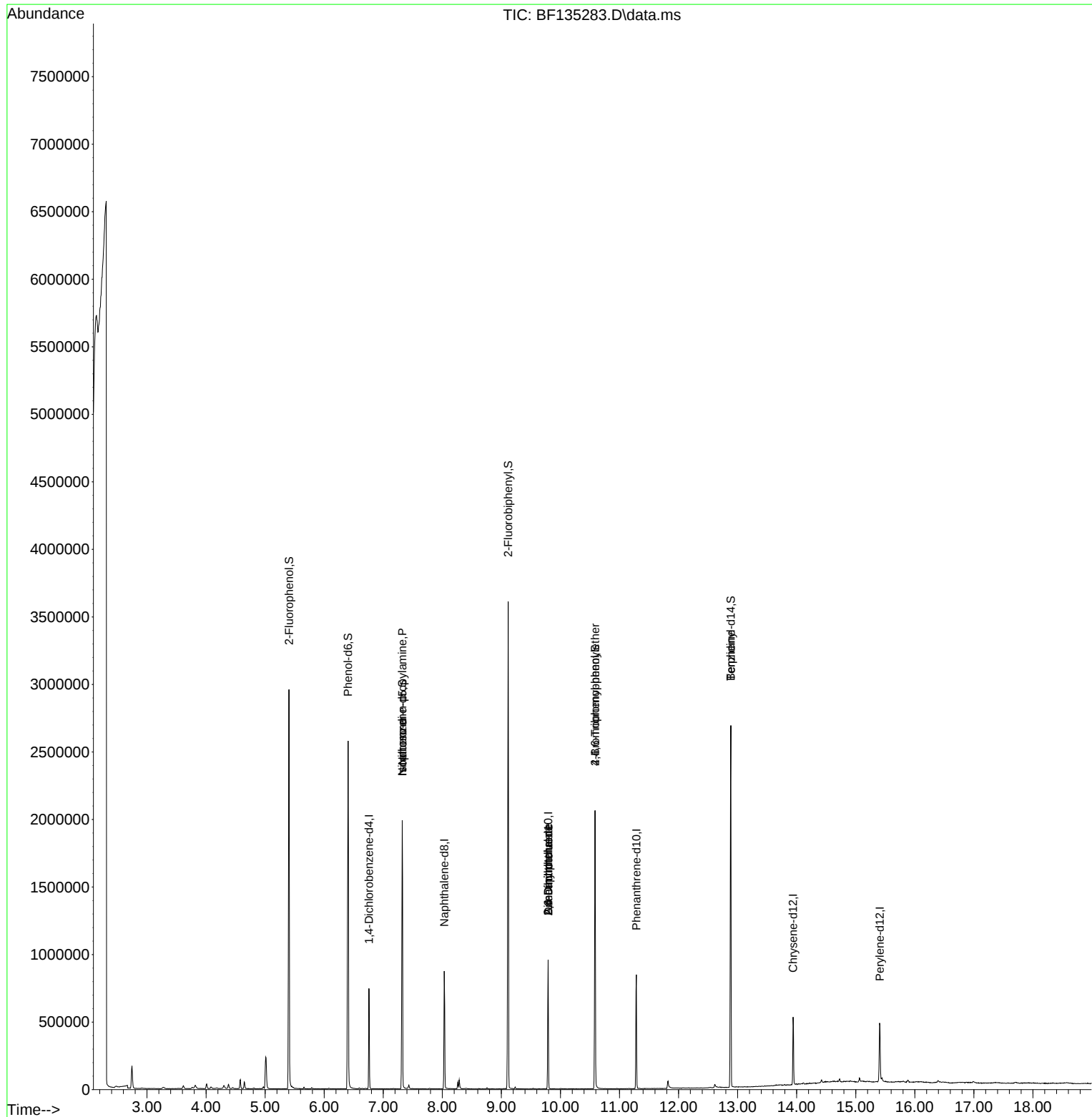
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	96927	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	367580	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	180493	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	308794	20.000	ng	0.00
76) Chrysene-d12	13.939	240	174141	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.322	70	86764	18.485	ng	# 81
25) Isophorone	7.322	82	642104	51.684	ng	# 65
50) Dimethylphthalate	9.792	163	36515	2.992	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	23175	8.669	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	23175	6.925	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	15725	5.120	ng	# 1
77) Benzidine	12.886	184	11972	3.356	ng	# 93

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

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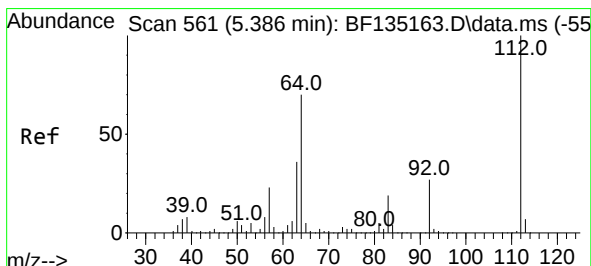
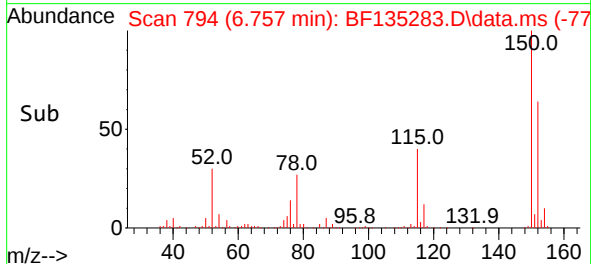
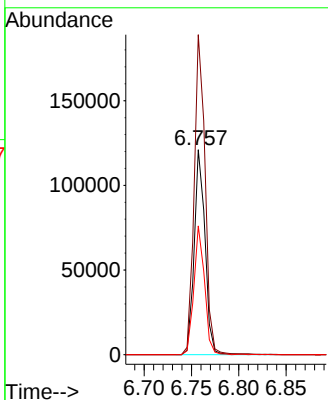
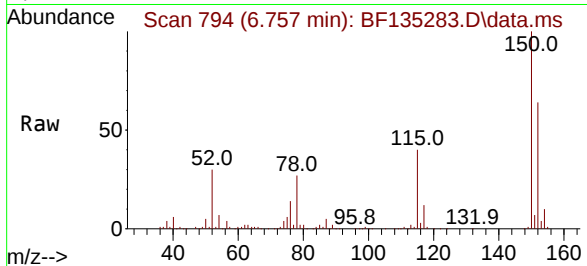




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135283.D
 Acq: 15 Sep 2023 17:14

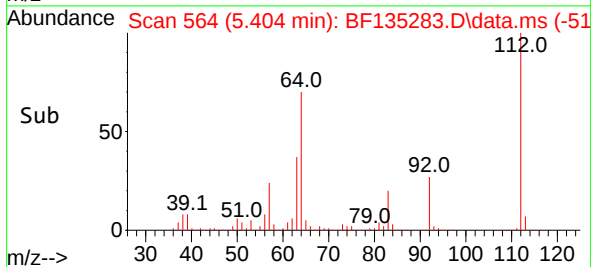
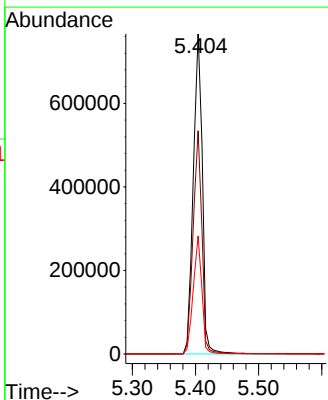
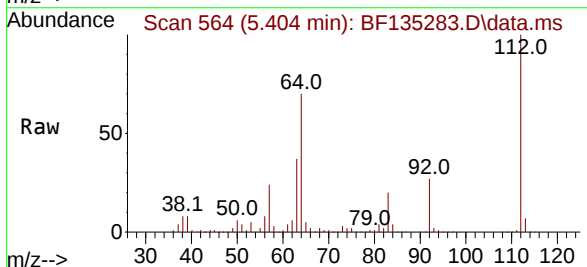
Instrument :
 BNA_F
 ClientSampleId :
 JOYCE-KILMER-SOIL

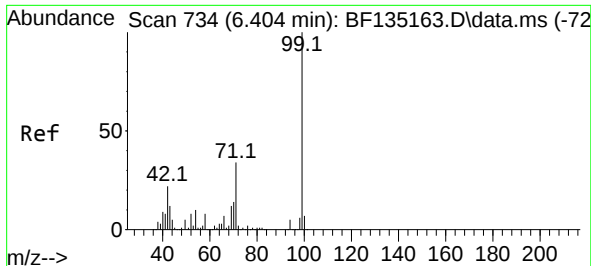
Tgt Ion:152 Resp: 96927
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.8 191.6
 115 62.9 49.8 74.8



#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

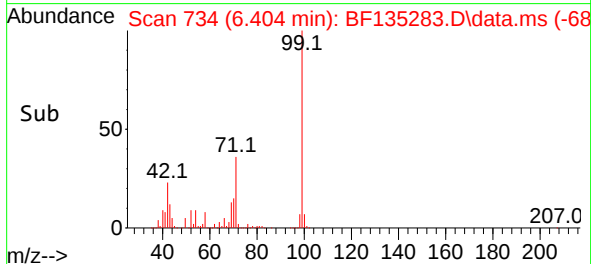
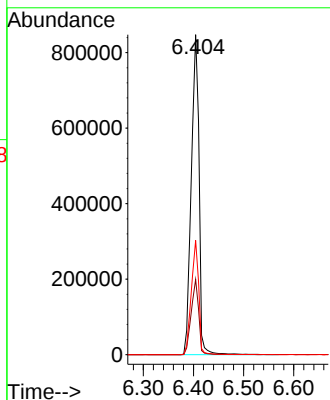
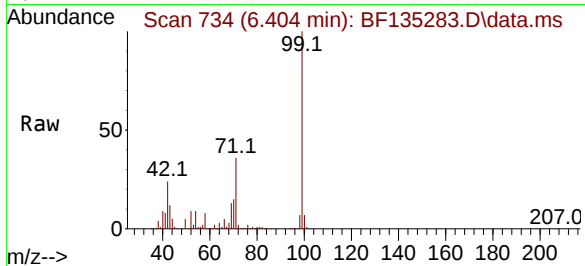




#7
Phenol-d6
Concen: 119.660 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

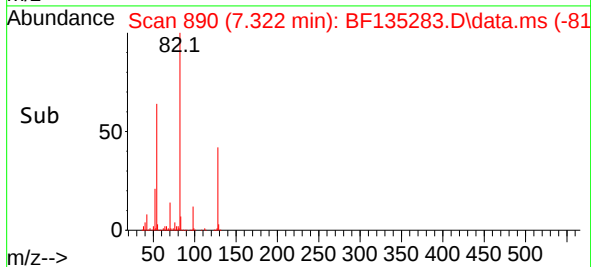
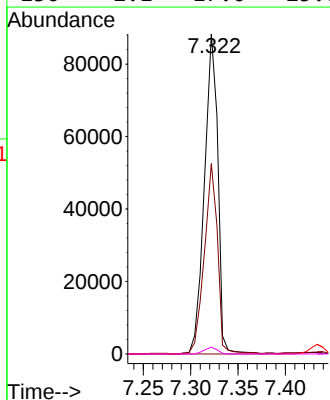
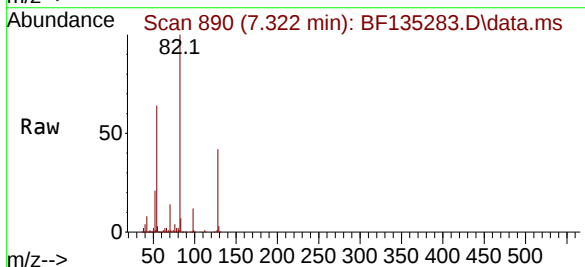
Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

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



#19
n-Nitroso-di-n-propylamine
Concen: 18.485 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

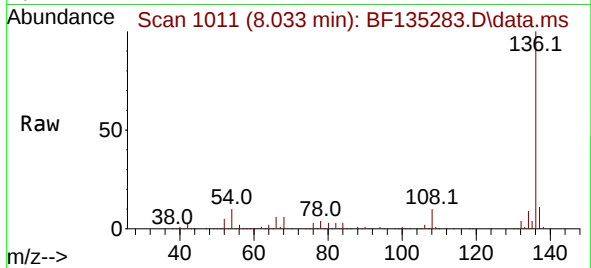
Tgt Ion: 70 Resp: 86764
Ion Ratio Lower Upper
70 100
42 59.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#



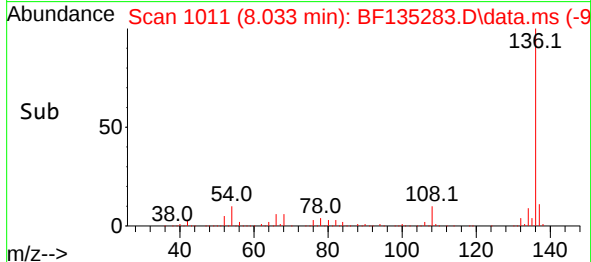
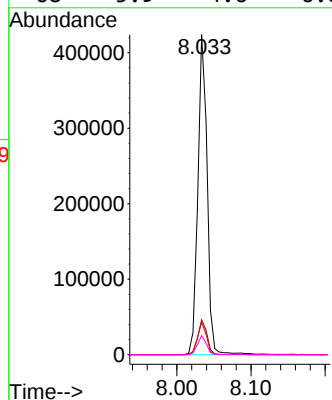


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

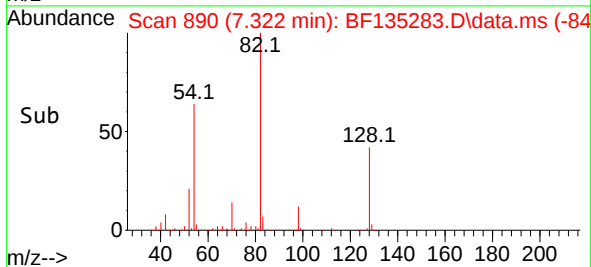
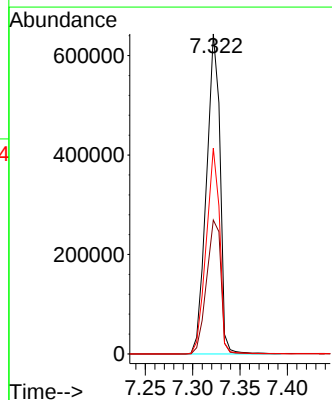
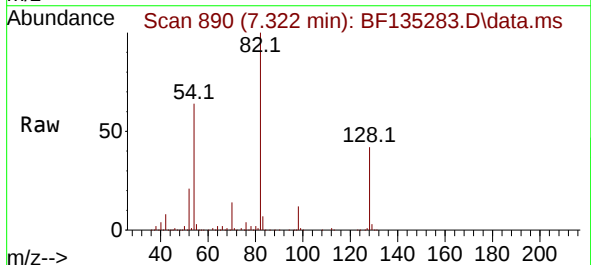


Tgt Ion:136 Resp: 367580
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.1 7.7 11.5
68 5.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 94.907 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

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

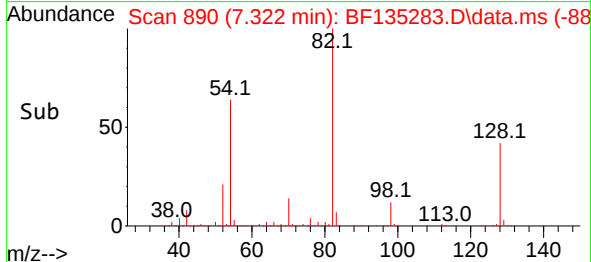
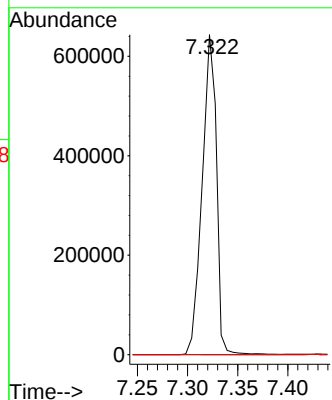
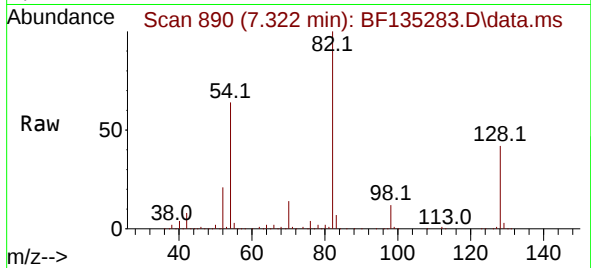




#25
Isophorone
Concen: 51.684 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

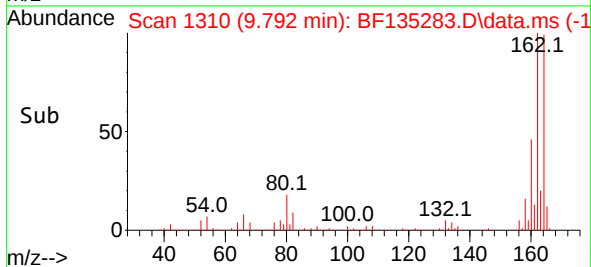
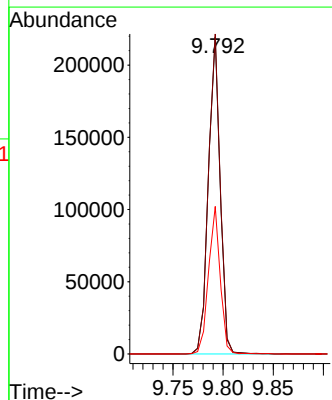
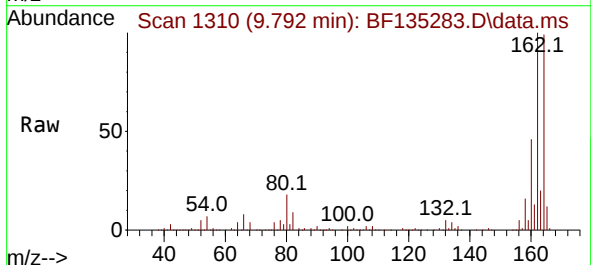
Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

Tgt Ion: 82 Resp: 642104
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#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

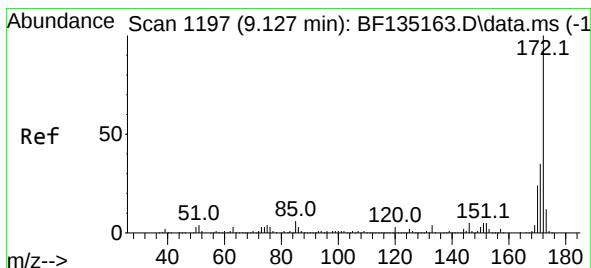
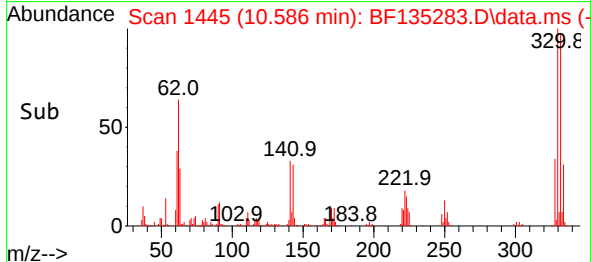
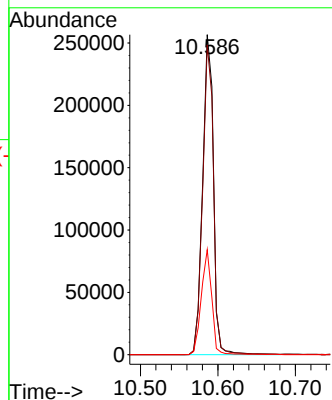
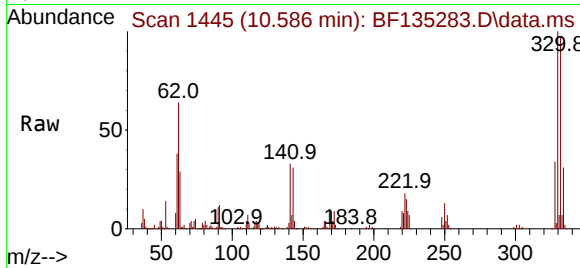




#42
 2,4,6-Tribromophenol
 Concen: 138.645 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135283.D
 Acq: 15 Sep 2023 17:14

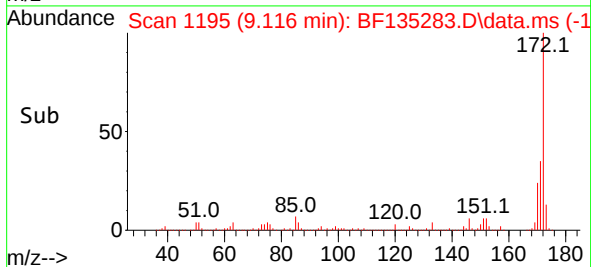
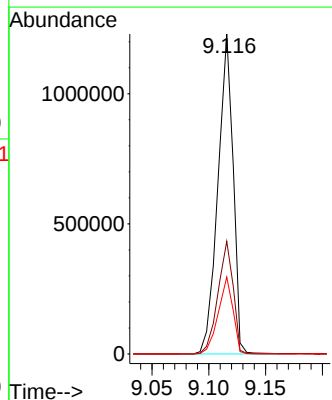
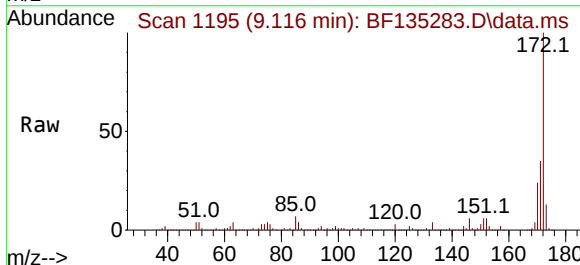
Instrument :
 BNA_F
 ClientSampleId :
 JOYCE-KILMER-SOIL

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

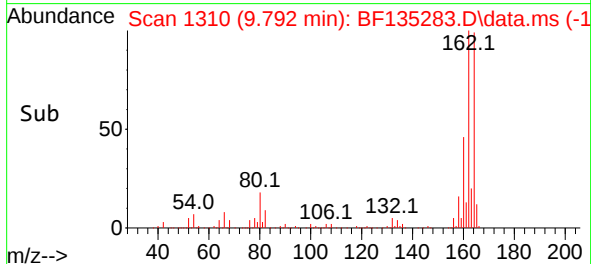
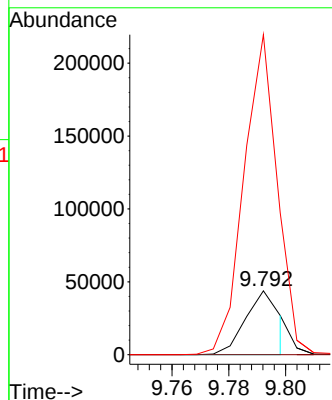
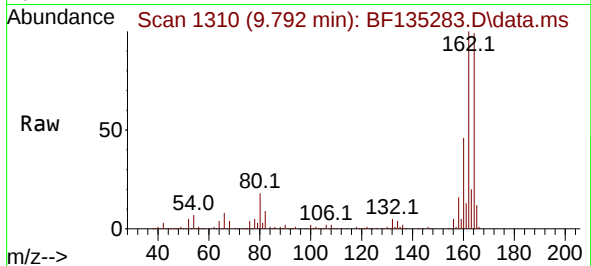




#50
Dimethylphthalate
Concen: 2.992 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

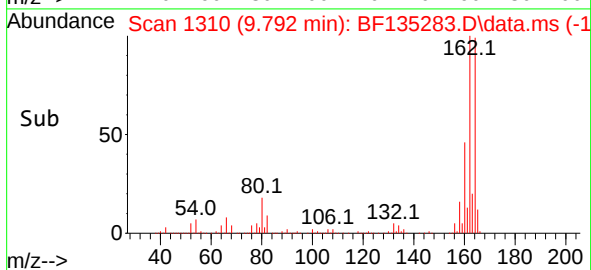
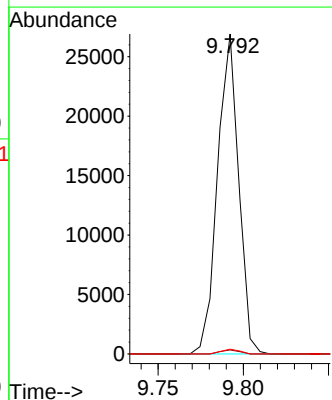
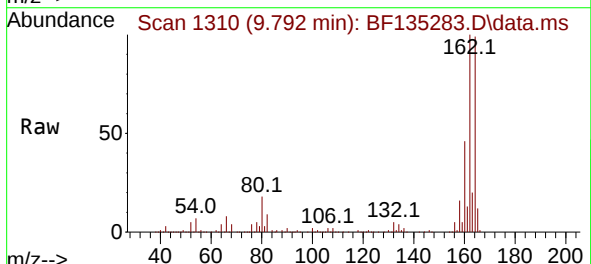
Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

Tgt Ion:163 Resp: 36515
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 501.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.669 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

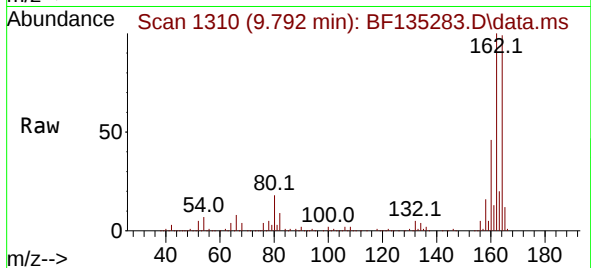
Tgt Ion:165 Resp: 23175
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.2#
89 1.5 49.8 74.8#



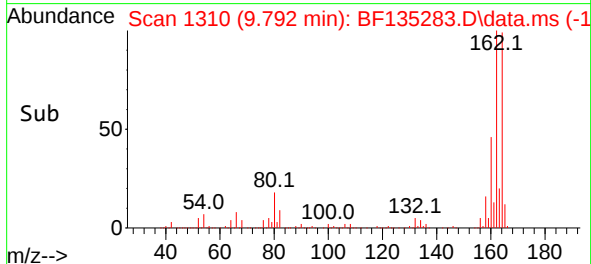
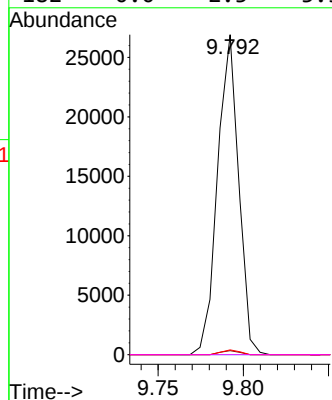


#57
2,4-Dinitrotoluene
Concen: 6.925 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

Instrument :
BNA_F
ClientSampleId :
JOYCE-KILMER-SOIL

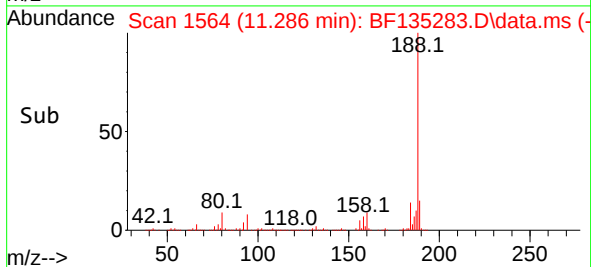
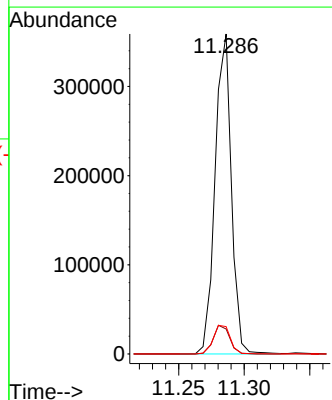
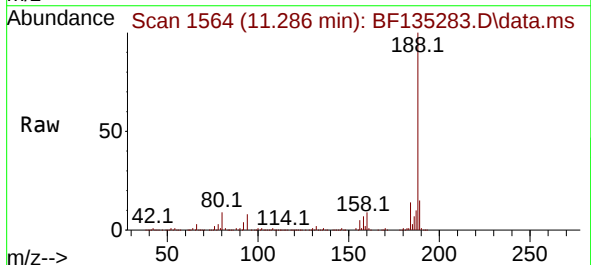


Tgt Ion:165 Resp: 23175
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135283.D
Acq: 15 Sep 2023 17:14

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





#67

4-Bromophenyl-phenylether

Concen: 5.120 ng

RT: 10.586 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF135283.D

Acq: 15 Sep 2023 17:14

Instrument :

BNA_F

ClientSampleId :

JOYCE-KILMER-SOIL

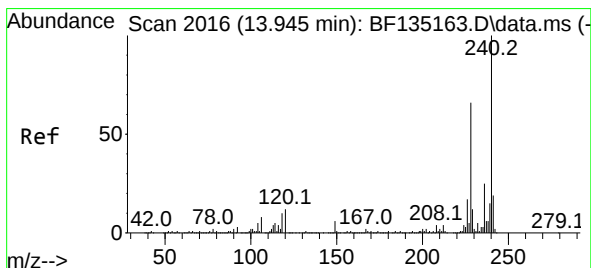
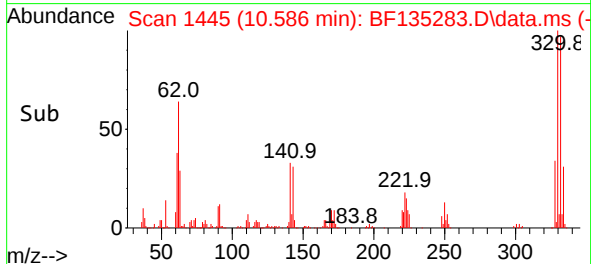
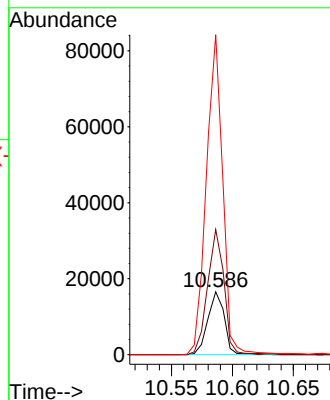
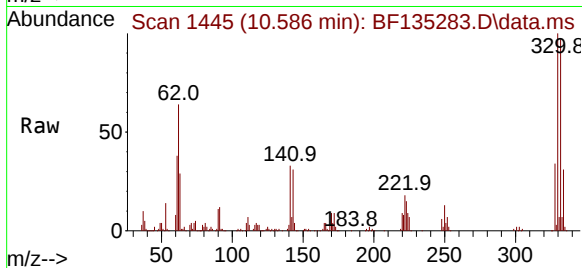
Tgt Ion:248 Resp: 15725

Ion Ratio Lower Upper

248 100

250 199.0 78.6 117.8#

141 509.1 54.2 81.2#



#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

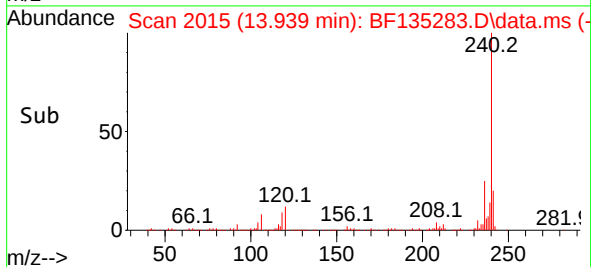
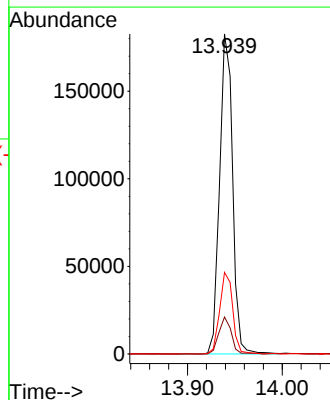
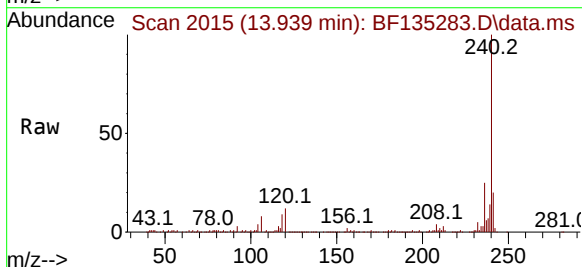
Tgt Ion:240 Resp: 174141

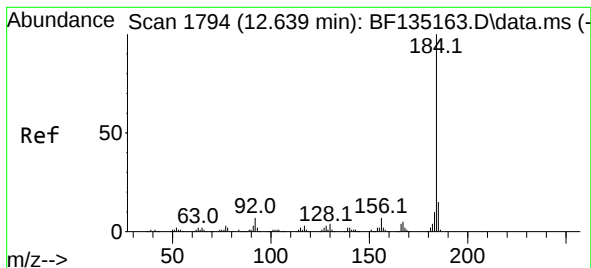
Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 25.5 19.8 29.8





#77

Benzidine

Concen: 3.356 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF135283.D

Acq: 15 Sep 2023 17:14

Instrument :

BNA_F

ClientSampleId :

JOYCE-KILMER-SOIL

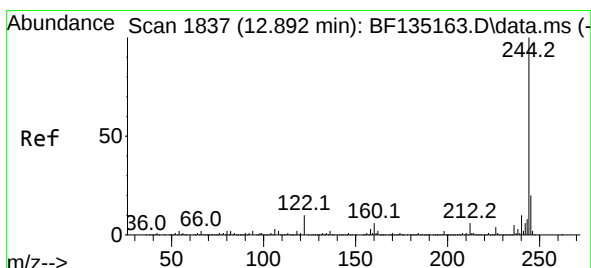
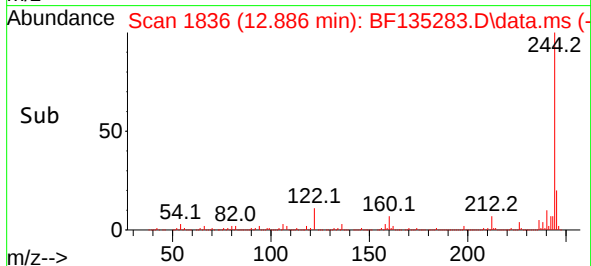
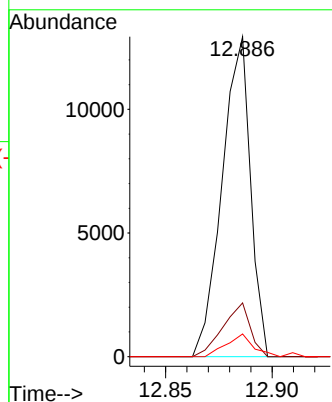
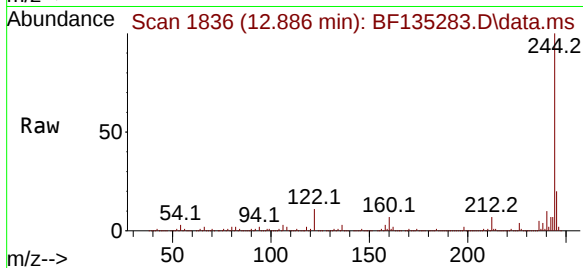
Tgt Ion:184 Resp: 11972

Ion Ratio Lower Upper

184 100

185 16.8 11.7 17.5

183 7.1 8.2 12.4#



#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

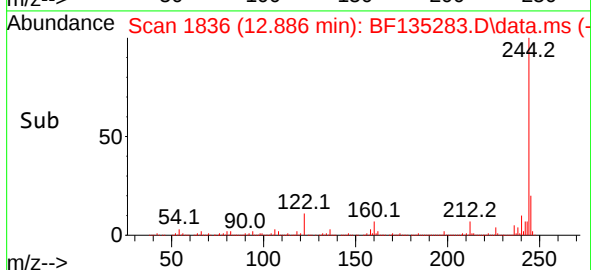
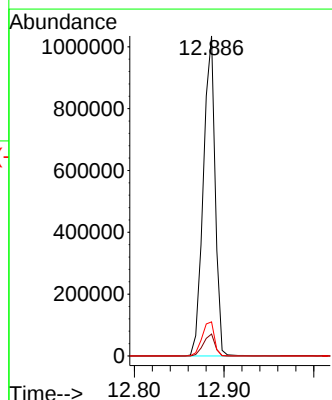
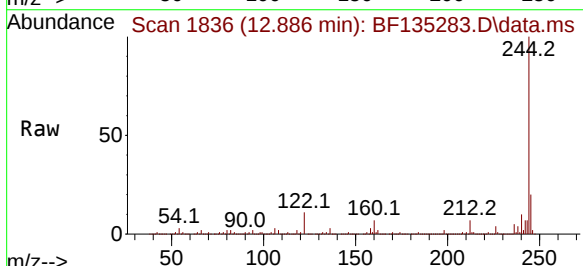
Tgt Ion:244 Resp: 945146

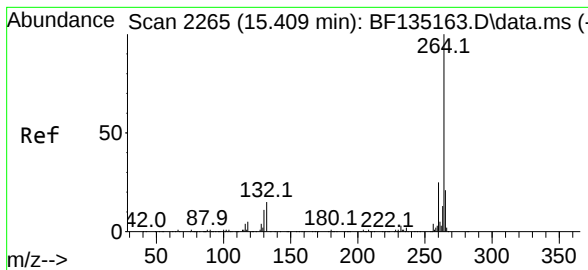
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

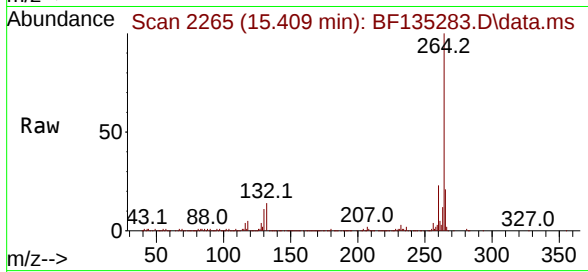
122 10.7 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 21
 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:264 Resp: 208873

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.6
265	20.7	17.0	25.4

