

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061423\
 Data File : BF133752.D
 Acq On : 14 Jun 2023 15:35
 Operator : CG\JU
 Sample : 03114-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609

Quant Time: Jun 14 16:04:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

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

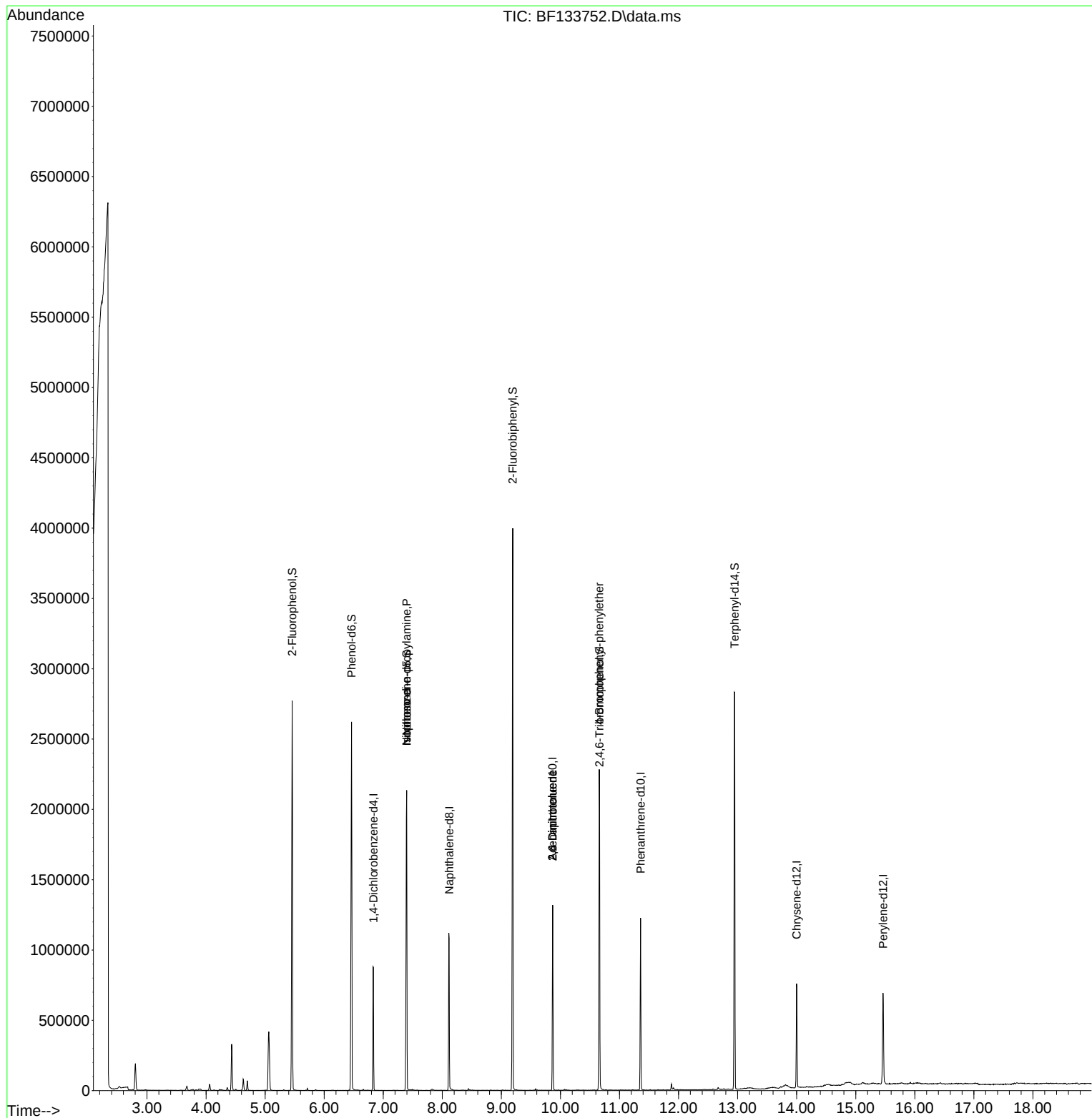
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	129827	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	498841	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	234390	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	411071	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	258618	20.000	ng	-0.02
86) Perylene-d12	15.462	264	296749	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	758778	101.747	ng	0.01
7) Phenol-d6	6.463	99	873536	89.989	ng	0.00
23) Nitrobenzene-d5	7.398	82	670521	73.212	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	284605	95.925	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1155147	70.057	ng	0.00
79) Terphenyl-d14	12.951	244	1059777	63.408	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	95180	15.411	ng	# 76
25) Isophorone	7.398	82	670515	39.878	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	30806	8.531	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	30806	6.708	ng	# 19
67) 4-Bromophenyl-phenylether	10.657	248	16801	3.662	ng	# 1

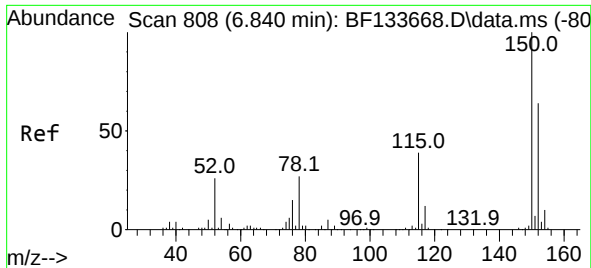
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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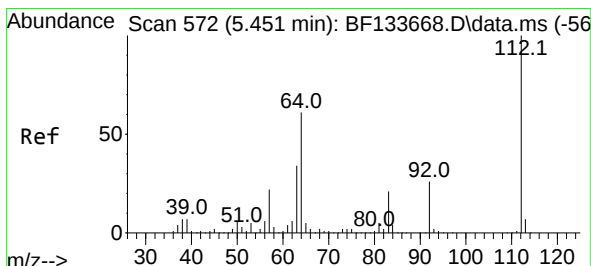
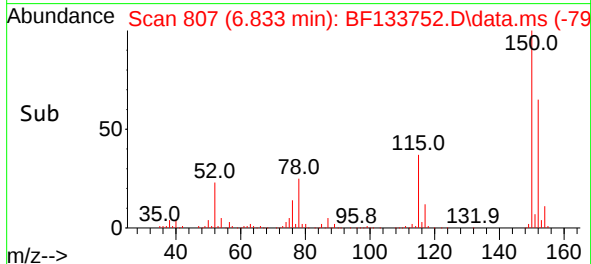
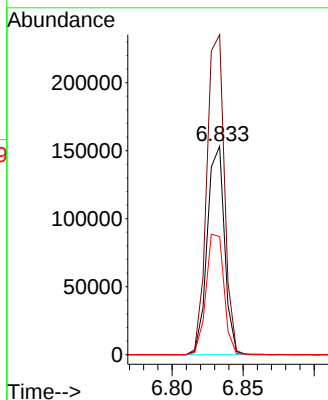
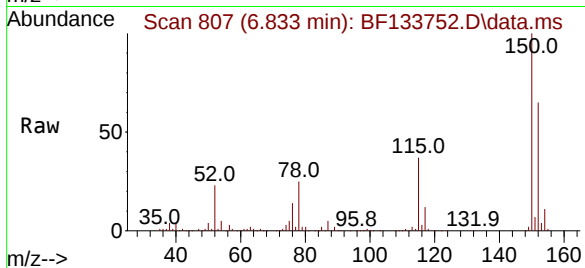




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.833 min Scan# 80
 Delta R.T. -0.001 min
 Lab File: BF133752.D
 Acq: 14 Jun 2023 15:35

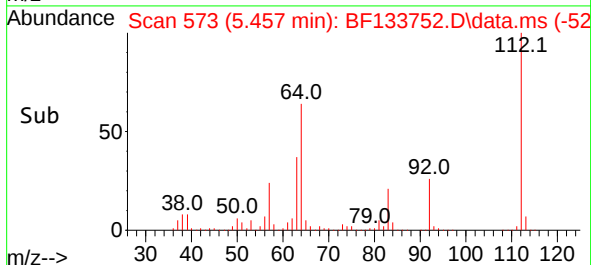
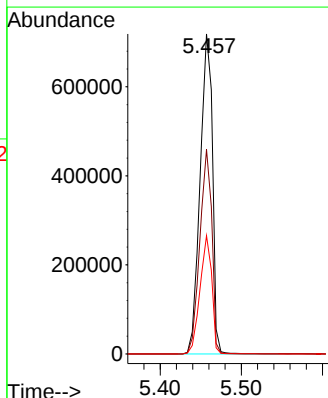
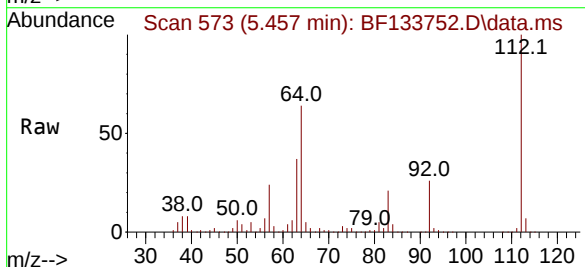
Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609

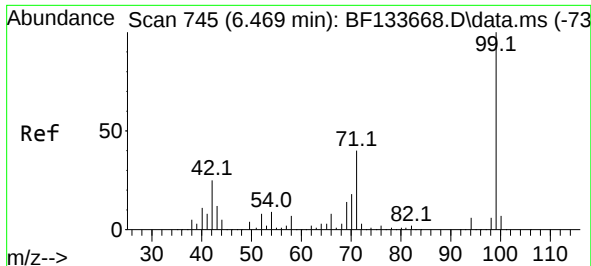
Tgt Ion:152 Resp: 129827
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.3 186.5
 115 56.8 48.5 72.7



#5
 2-Fluorophenol
 Concen: 101.747 ng
 RT: 5.457 min Scan# 573
 Delta R.T. 0.012 min
 Lab File: BF133752.D
 Acq: 14 Jun 2023 15:35

Tgt Ion:112 Resp: 758778
 Ion Ratio Lower Upper
 112 100
 64 63.9 49.0 73.4
 63 36.9 26.8 40.2

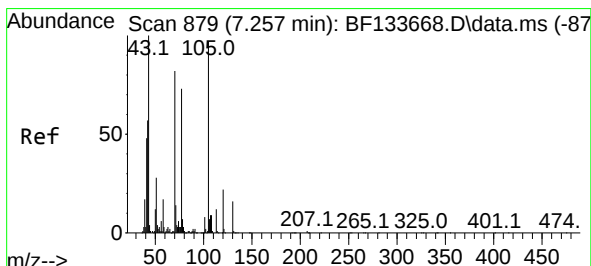
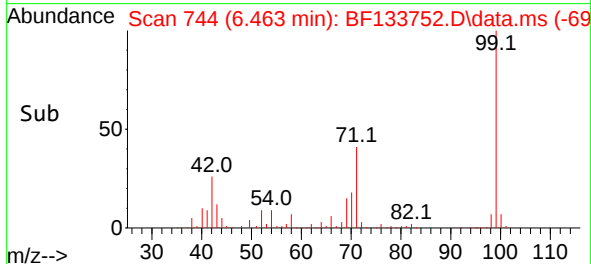
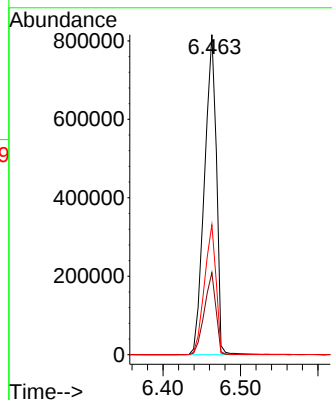
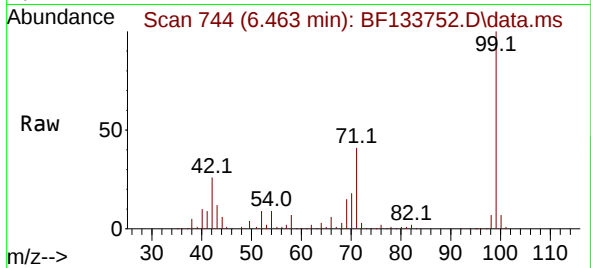




#7
Phenol-d6
Concen: 89.989 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

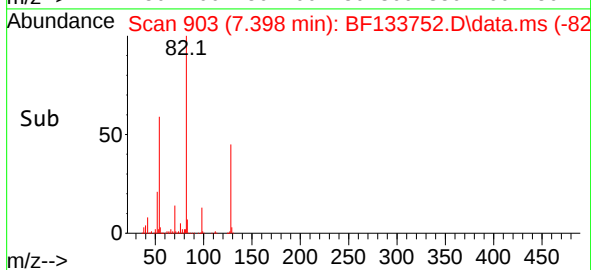
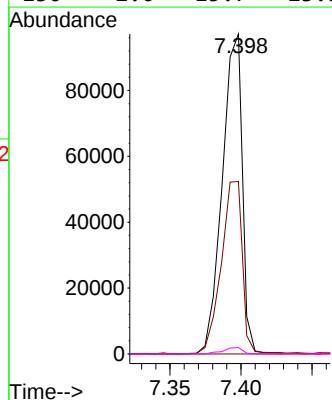
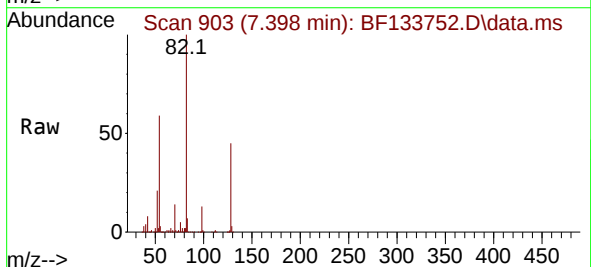
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

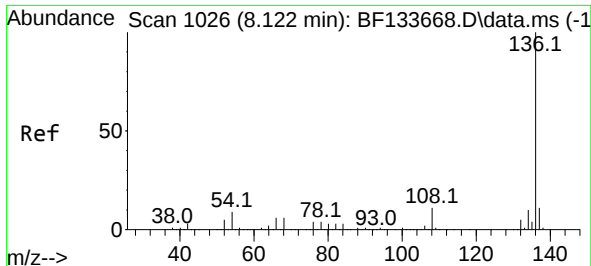
Tgt Ion: 99 Resp: 873536
Ion Ratio Lower Upper
99 100
42 25.7 19.9 29.9
71 40.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.411 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

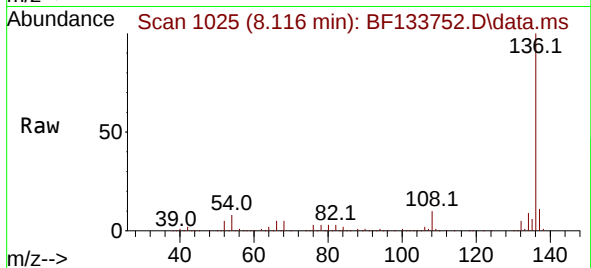
Tgt Ion: 70 Resp: 95180
Ion Ratio Lower Upper
70 100
42 53.9 55.8 83.8#
101 0.0 8.1 12.1#
130 2.0 15.7 23.5#



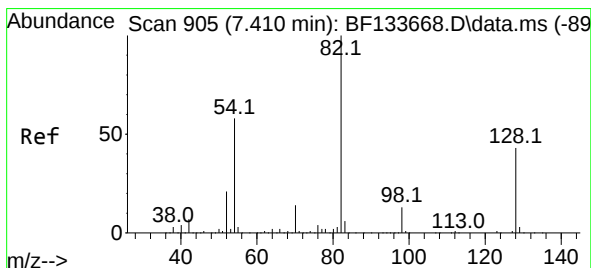
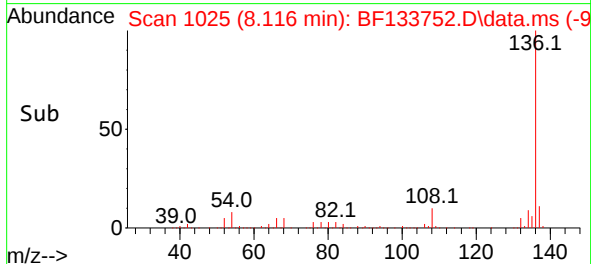
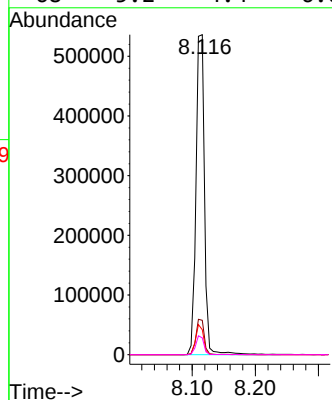


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

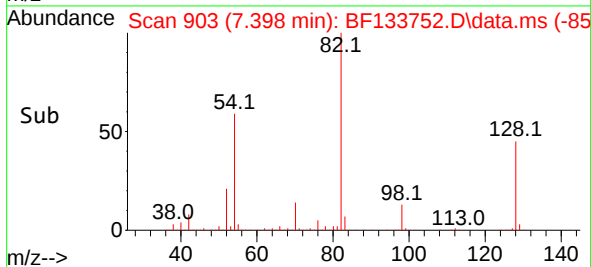
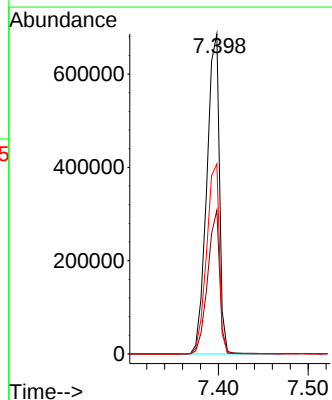
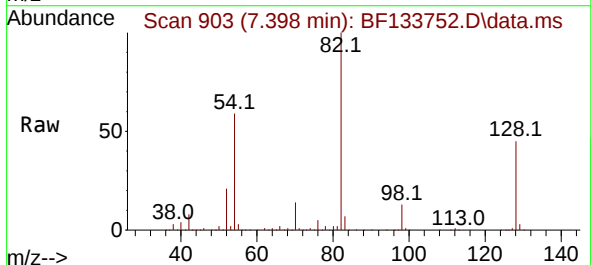


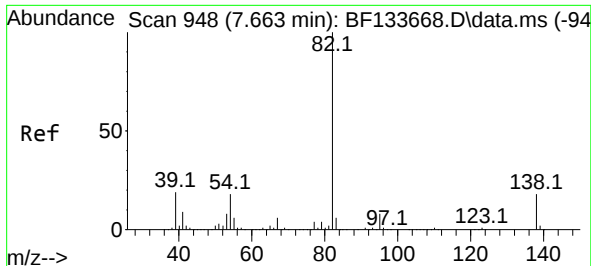
Tgt Ion:136 Resp: 498841
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.4 11.0
68 5.2 4.4 6.6



#23
Nitrobenzene-d5
Concen: 73.212 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

Tgt Ion: 82 Resp: 670521
Ion Ratio Lower Upper
82 100
128 44.9 34.2 51.2
54 59.4 46.5 69.7

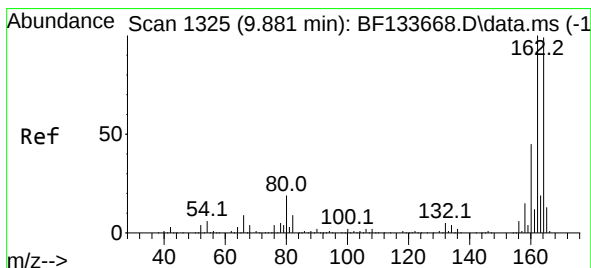
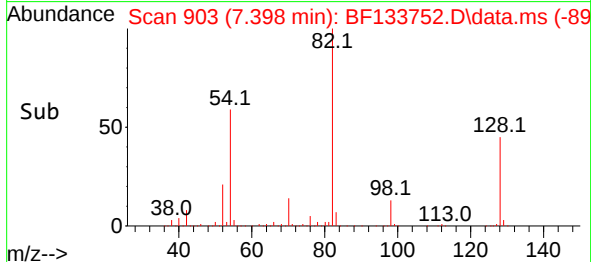
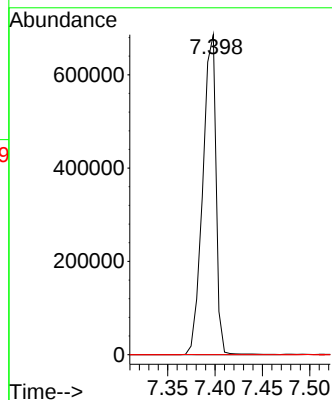
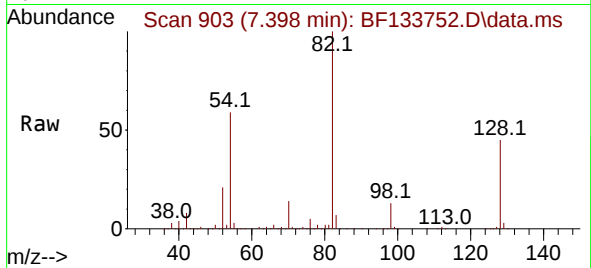




#25
Isophorone
Concen: 39.878 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

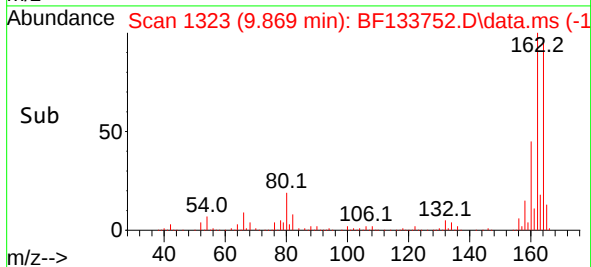
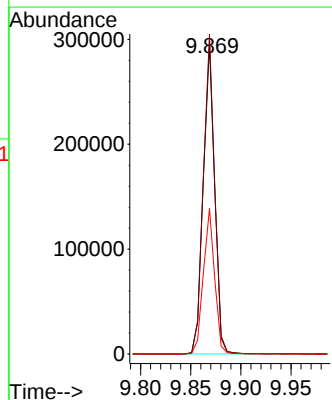
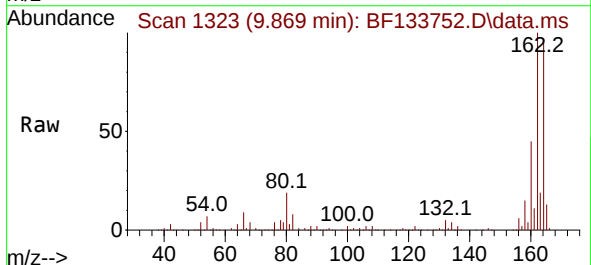
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

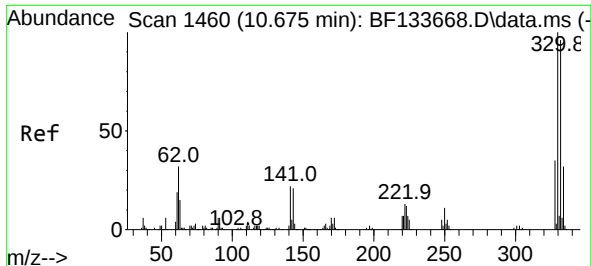
Tgt Ion: 82 Resp: 670515
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

Tgt Ion: 164 Resp: 234390
Ion Ratio Lower Upper
164 100
162 103.4 80.8 121.2
160 47.0 36.7 55.1

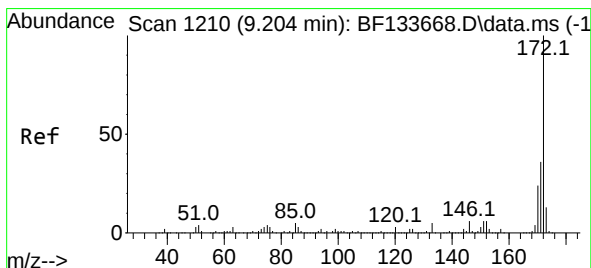
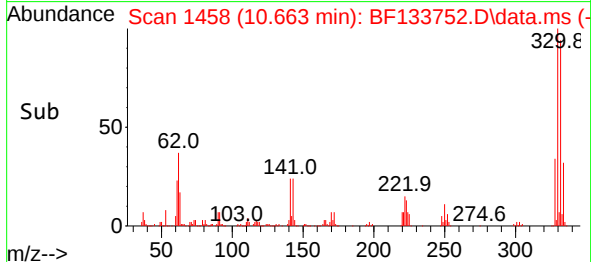
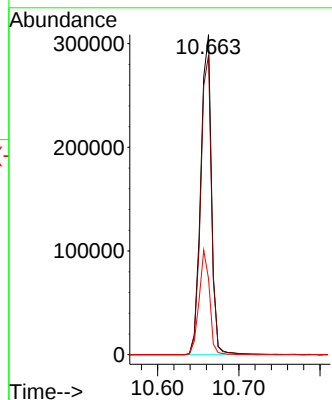
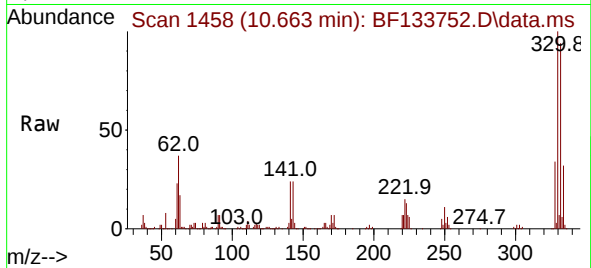




#42
 2,4,6-Tribromophenol
 Concen: 95.925 ng
 RT: 10.663 min Scan# 1460
 Delta R.T. -0.006 min
 Lab File: BF133752.D
 Acq: 14 Jun 2023 15:35

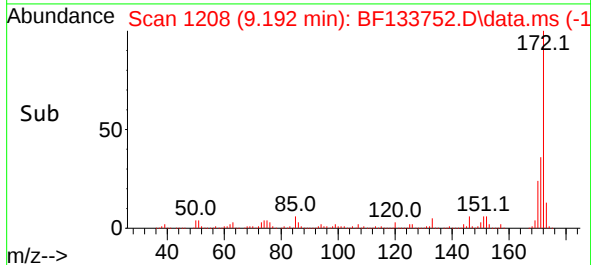
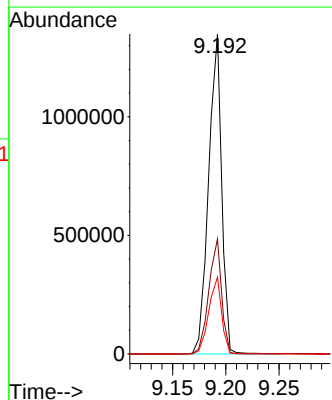
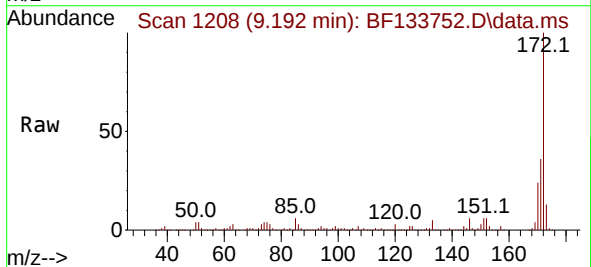
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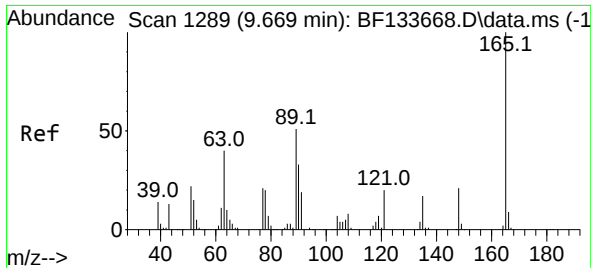
Tgt Ion:330 Resp: 284605
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.2 115.8
 141 31.7 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 70.057 ng
 RT: 9.192 min Scan# 1208
 Delta R.T. -0.006 min
 Lab File: BF133752.D
 Acq: 14 Jun 2023 15:35

Tgt Ion:172 Resp: 1155147
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 24.0 19.1 28.7

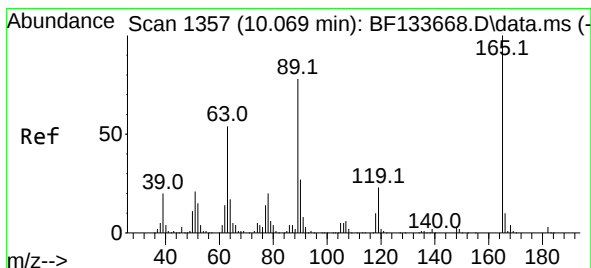
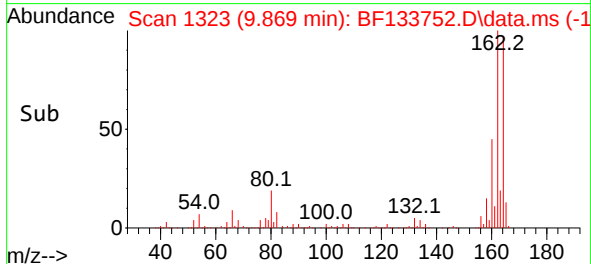
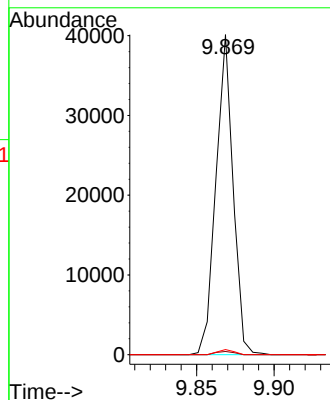
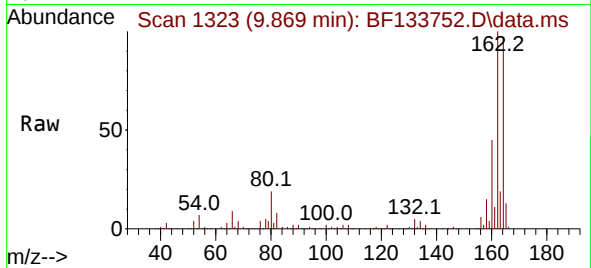




#51
2,6-Dinitrotoluene
Concen: 8.531 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

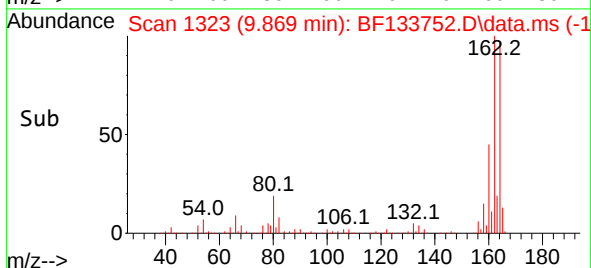
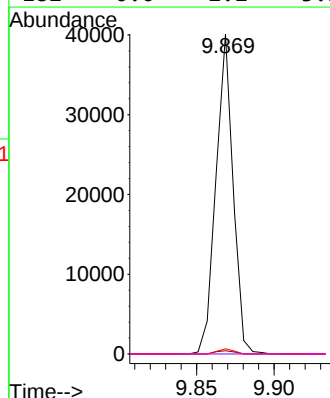
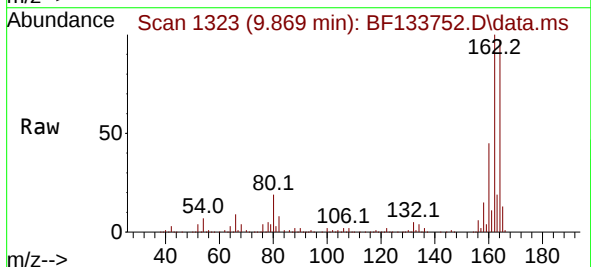
Instrument :
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MARION-SOIL-0609

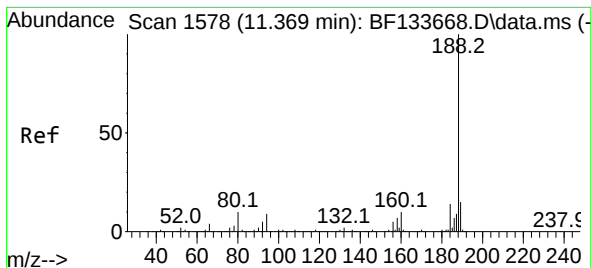
Tgt Ion:165 Resp: 30806
Ion Ratio Lower Upper
165 100
63 1.0 42.1 63.1#
89 1.6 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.708 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

Tgt Ion:165 Resp: 30806
Ion Ratio Lower Upper
165 100
63 1.0 43.0 64.6#
89 1.6 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133752.D

Acq: 14 Jun 2023 15:35

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609

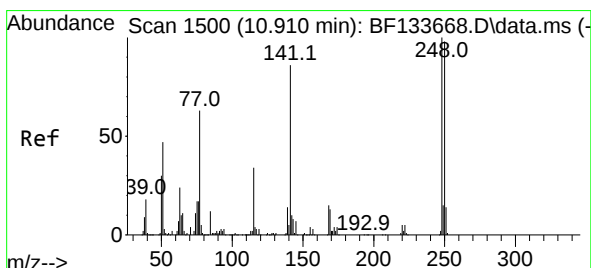
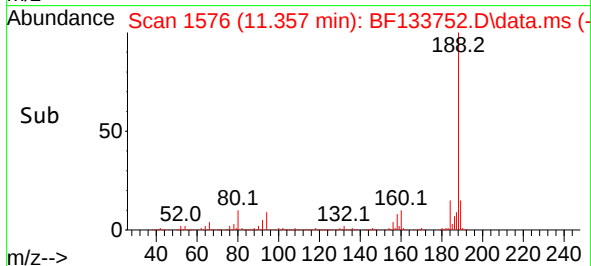
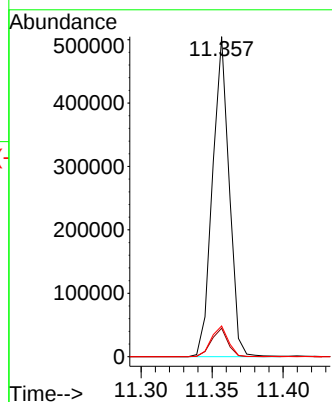
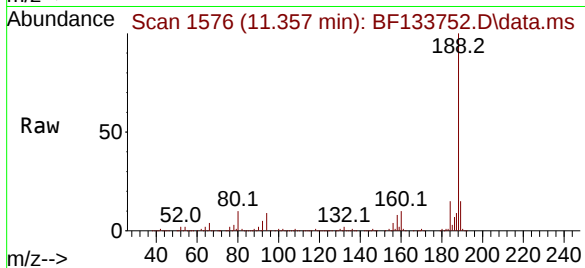
Tgt Ion:188 Resp: 411071

Ion Ratio Lower Upper

188 100

94 8.9 6.8 10.2

80 9.6 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 3.662 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.253 min

Lab File: BF133752.D

Acq: 14 Jun 2023 15:35

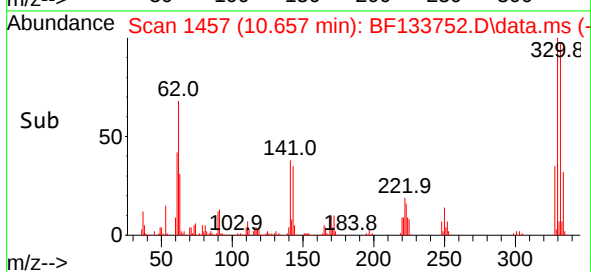
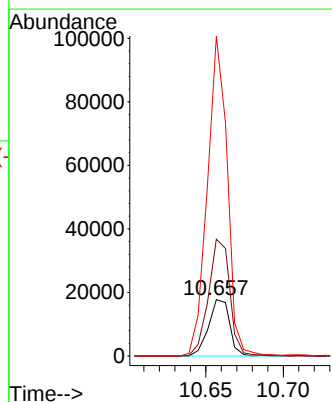
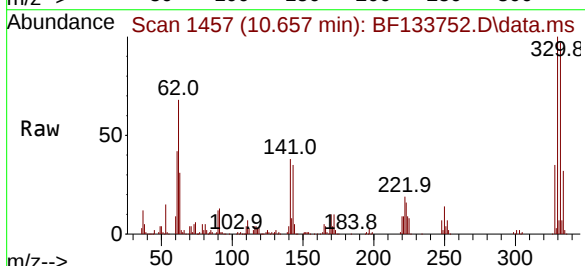
Tgt Ion:248 Resp: 16801

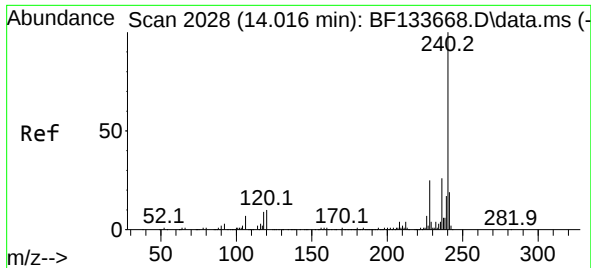
Ion Ratio Lower Upper

248 100

250 207.2 78.3 117.5#

141 567.7 69.0 103.6#

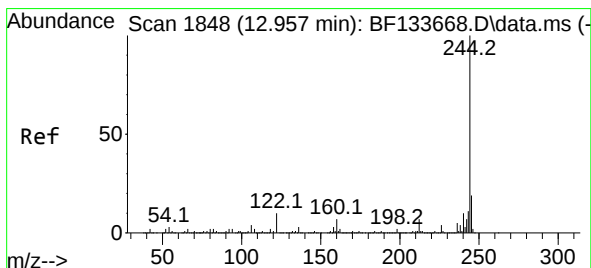
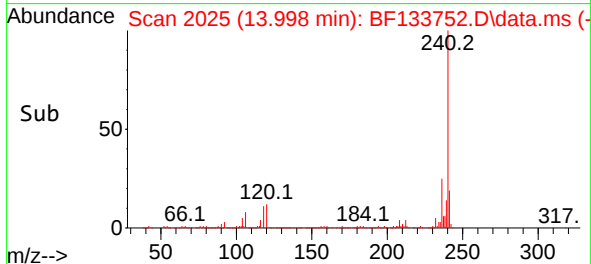
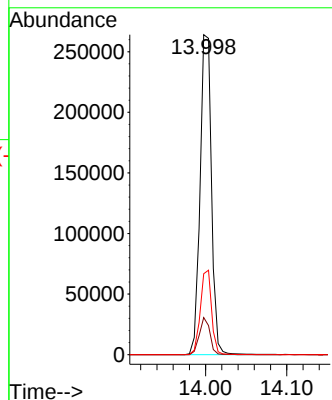
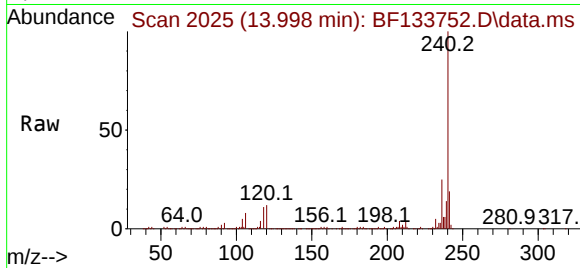




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

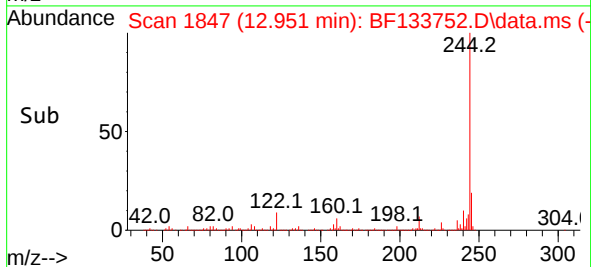
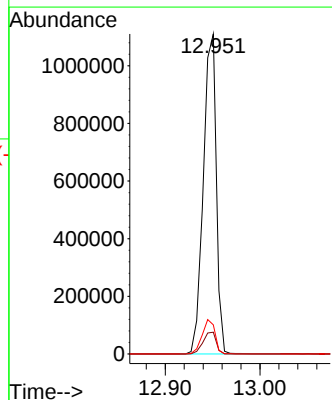
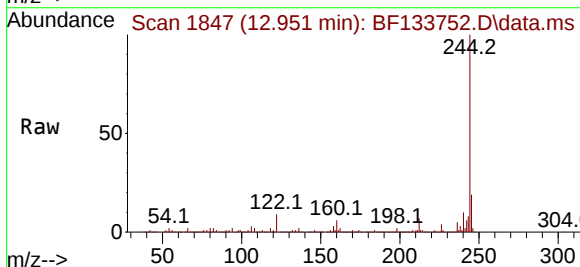
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

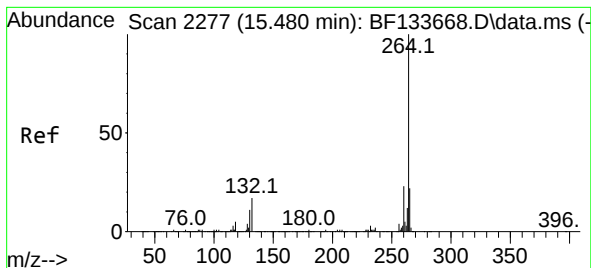
Tgt Ion:240 Resp: 258618
Ion Ratio Lower Upper
240 100
120 11.6 8.1 12.1
236 25.3 20.5 30.7



#79
Terphenyl-d14
Concen: 63.408 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

Tgt Ion:244 Resp: 1059777
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 9.1 8.1 12.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133752.D

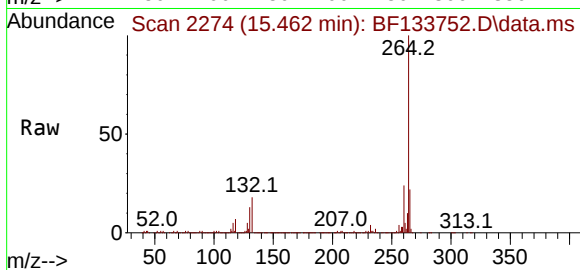
Acq: 14 Jun 2023 15:35

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609



Tgt Ion:264 Resp: 296749

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 21.9 17.8 26.6

