

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 16:29:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 16:27:59 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	0.00
64) Phenanthrene-d10	11.357	188	411071	20.000	ng	0.00
76) Chrysene-d12	13.998	240	258618	20.000	ng	-0.01
86) Perylene-d12	15.462	264	296749	20.000	ng	0.00
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

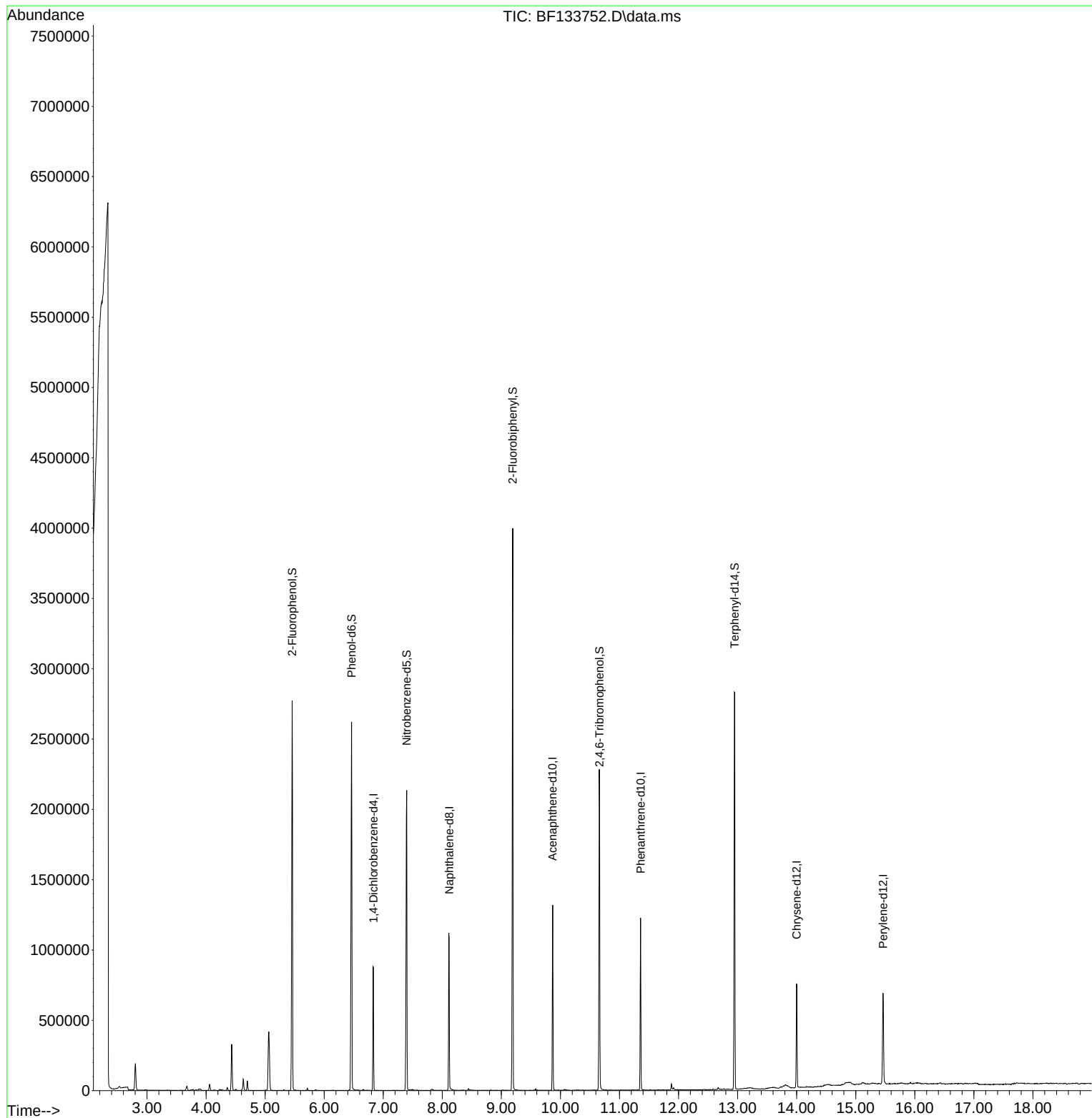
Target Compounds	Qvalue

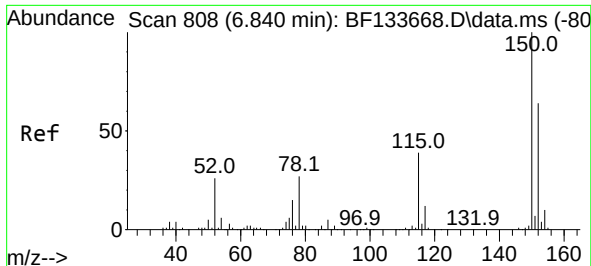
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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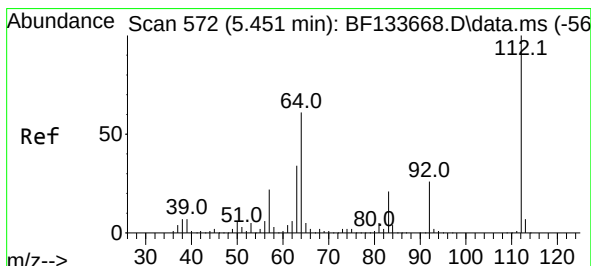
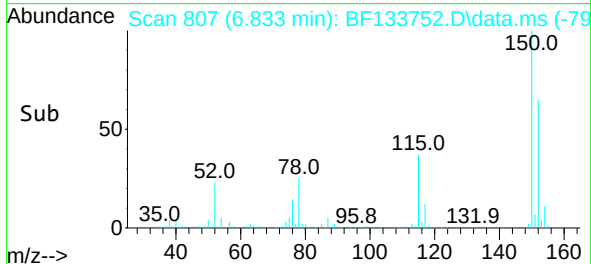
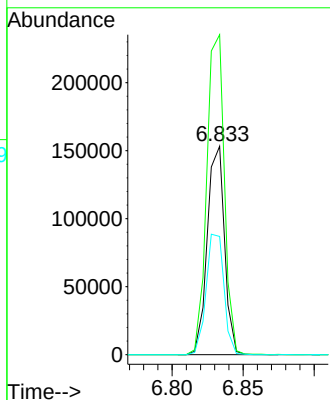
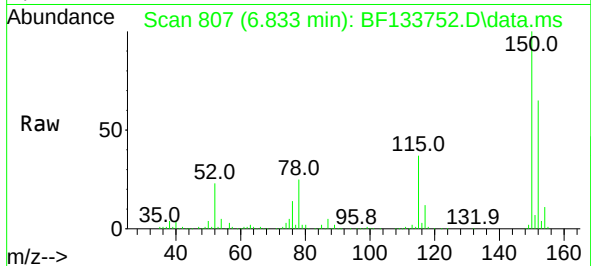




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

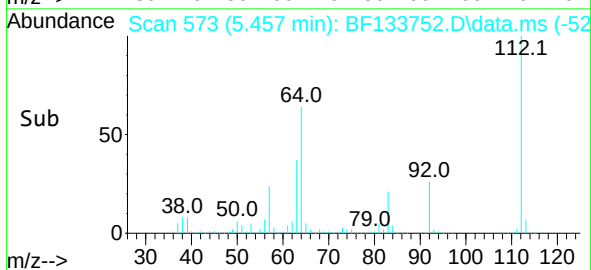
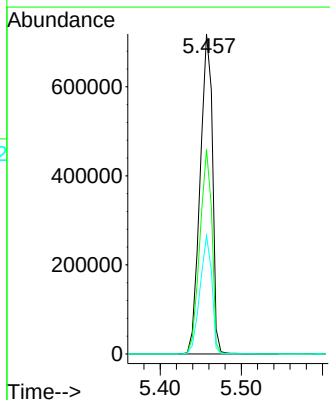
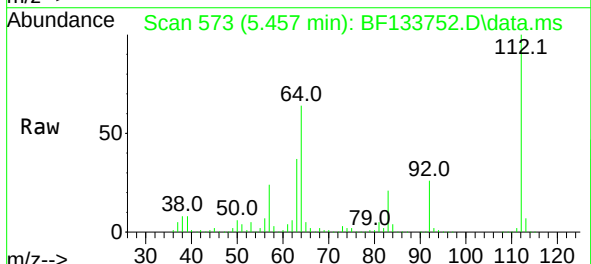
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

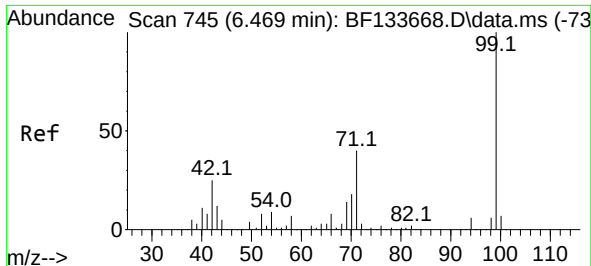
Tgt Ion:152 Resp: 129827
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 56.8 48.5 72.7



#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

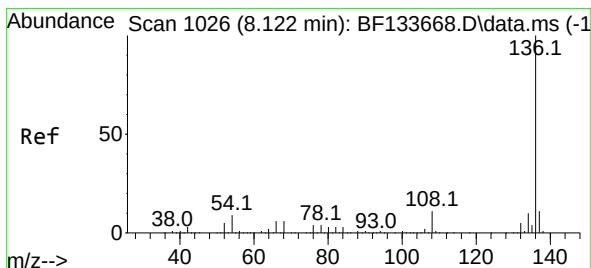
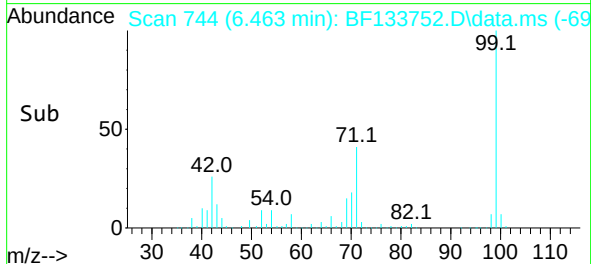
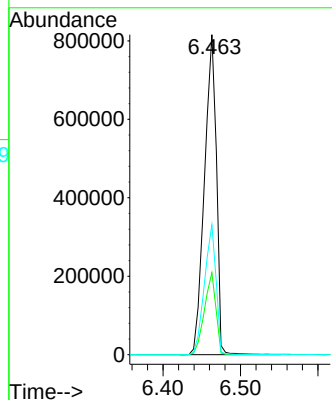
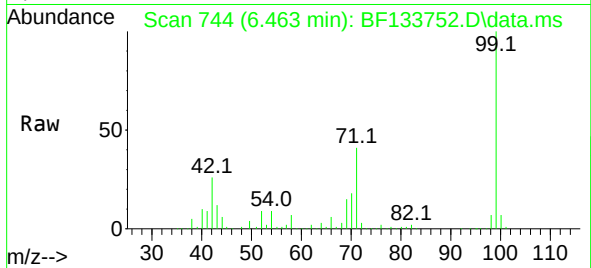




#7
Phenol-d6
Concen: 89.989 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

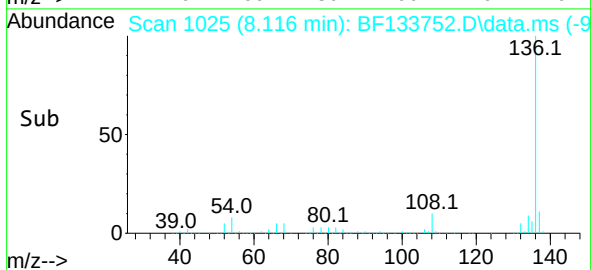
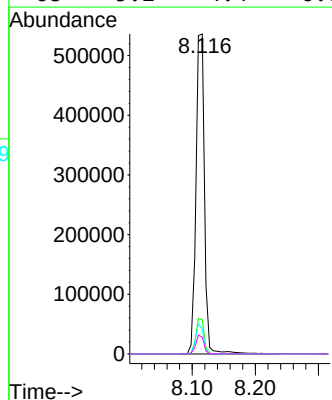
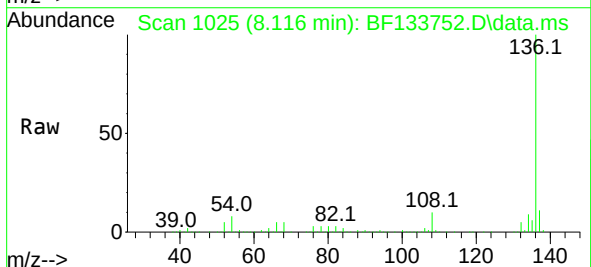
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

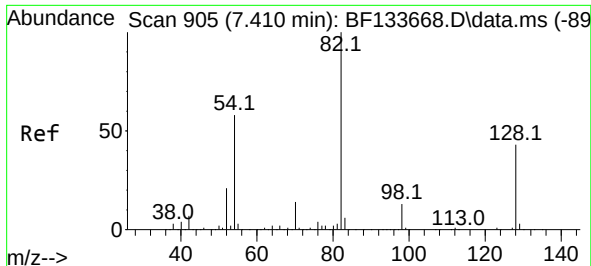
Tgt Ion: 99 Resp: 873536
Ion Ratio Lower Upper
99 100
42 25.7 19.9 29.9
71 40.6 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

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# 905

Delta R.T. -0.006 min

Lab File: BF133752.D

Acq: 14 Jun 2023 15:35

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609

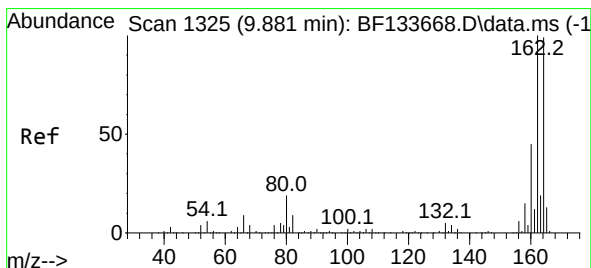
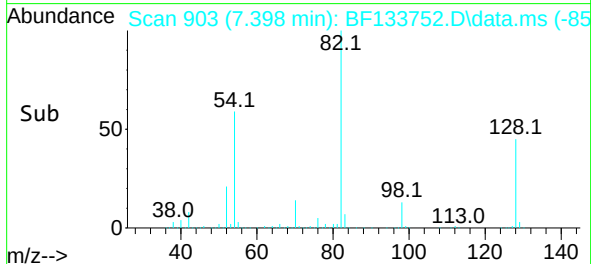
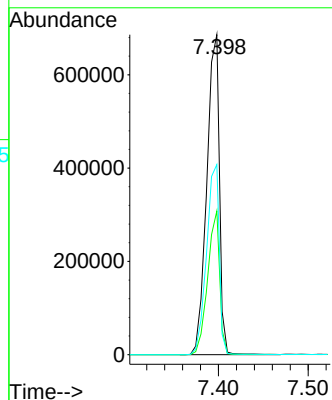
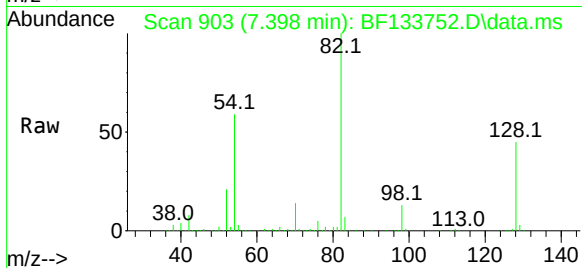
Tgt Ion: 82 Resp: 670521

Ion Ratio Lower Upper

82 100

128 44.9 34.2 51.2

54 59.4 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF133752.D

Acq: 14 Jun 2023 15:35

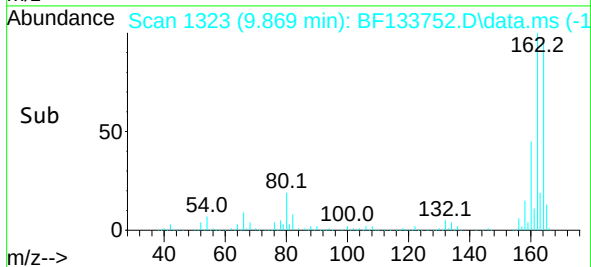
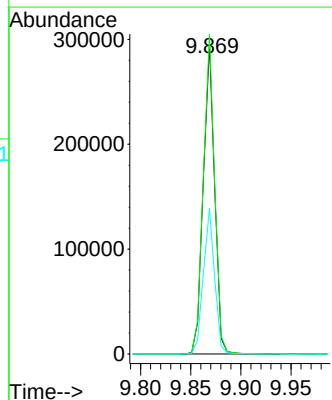
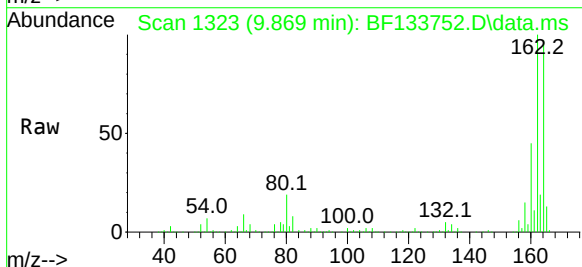
Tgt Ion:164 Resp: 234390

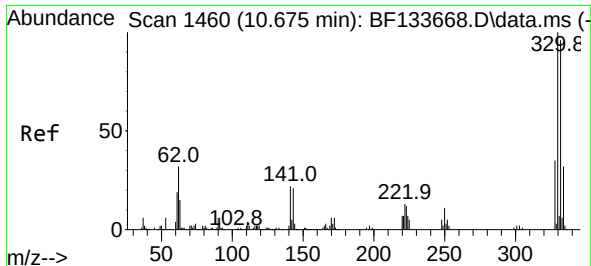
Ion Ratio Lower Upper

164 100

162 103.4 80.8 121.2

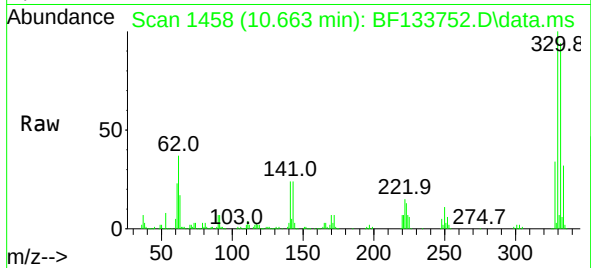
160 47.0 36.7 55.1



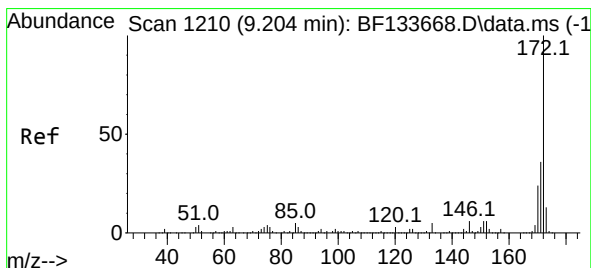
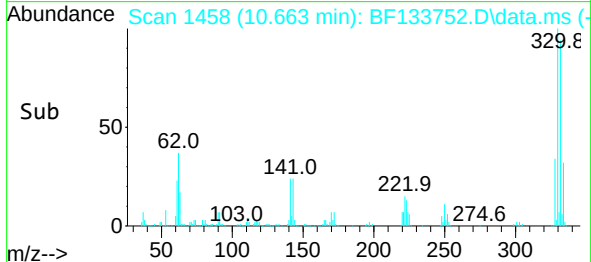
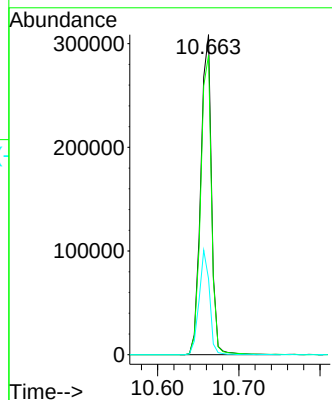


#42
2,4,6-Tribromophenol
Concen: 95.925 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133752.D
Acq: 14 Jun 2023 15:35

Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

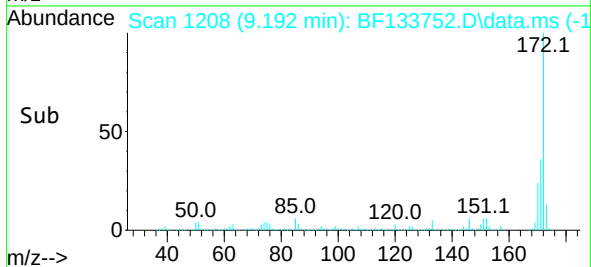
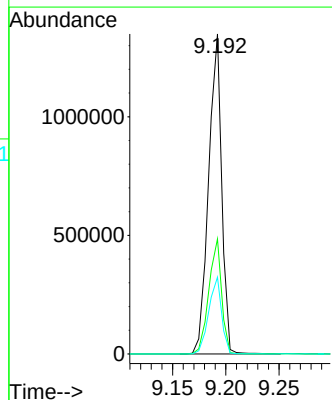
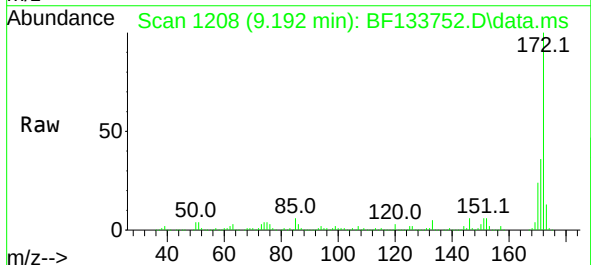


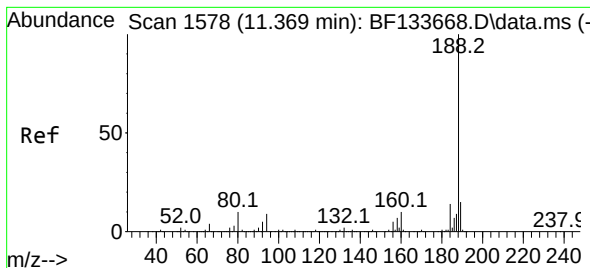
Tgt Ion:330 Resp: 284605
Ion Ratio Lower Upper
330 100
332 94.5 77.2 115.8
141 31.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 70.057 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.000 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 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

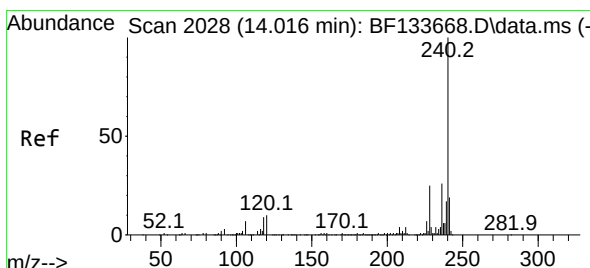
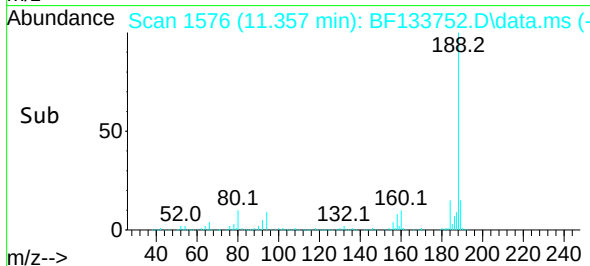
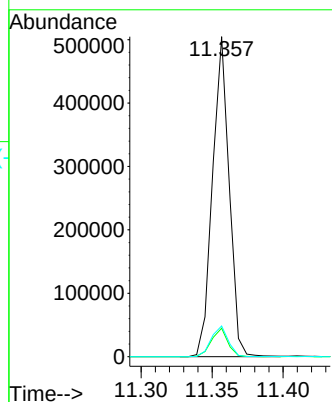
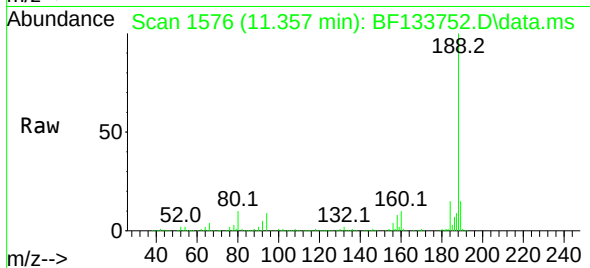
Tgt Ion:188 Resp: 411071

Ion Ratio Lower Upper

188 100

94 8.9 6.8 10.2

80 9.6 7.8 11.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF133752.D

Acq: 14 Jun 2023 15:35

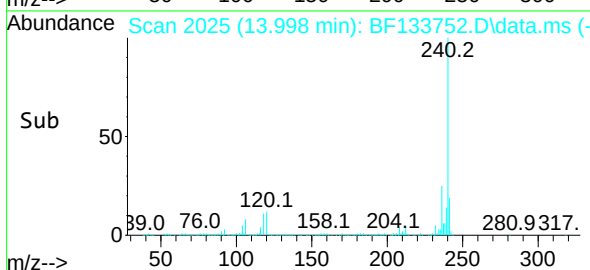
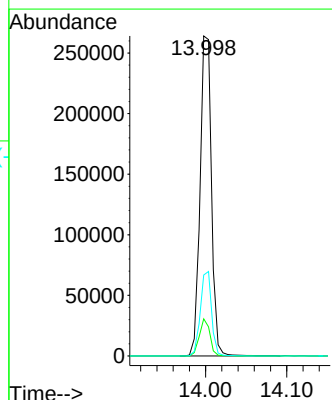
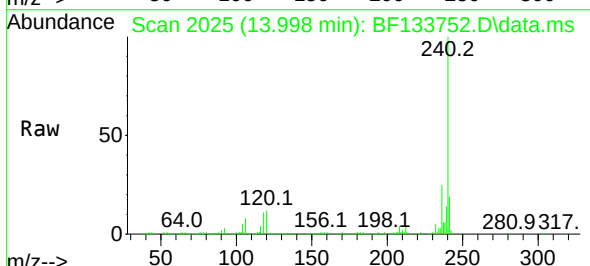
Tgt Ion:240 Resp: 258618

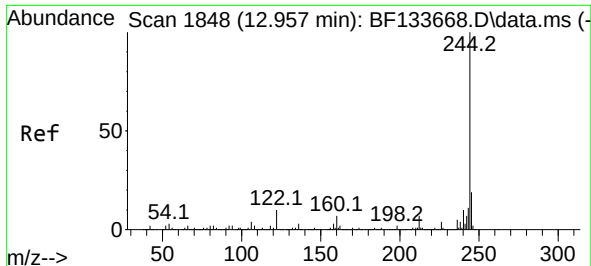
Ion Ratio Lower Upper

240 100

120 11.6 8.1 12.1

236 25.3 20.5 30.7

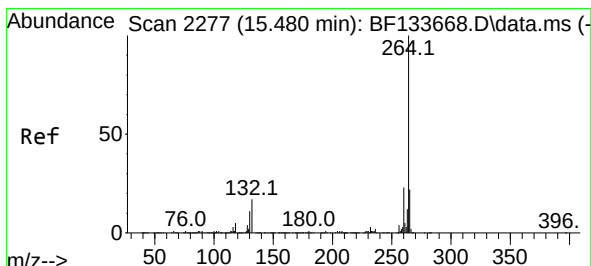
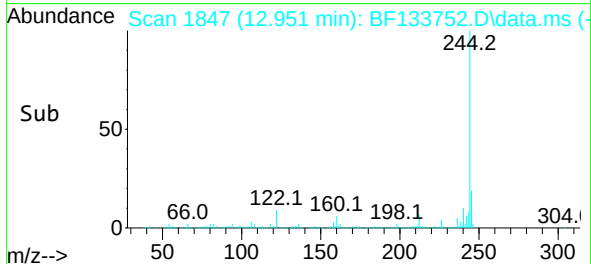
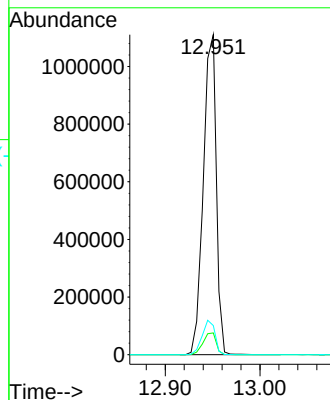
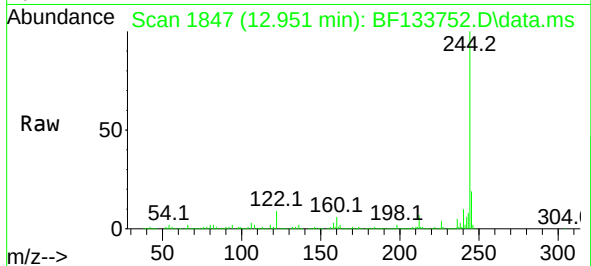




#79
 Terphenyl-d14
 Concen: 63.408 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133752.D
 Acq: 14 Jun 2023 15:35

Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609

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# 2274
 Delta R.T. -0.006 min
 Lab File: BF133752.D
 Acq: 14 Jun 2023 15:35

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

