

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070224\
 Data File : BF138426.D
 Acq On : 02 Jul 2024 13:48
 Operator : CG\JU
 Sample : P3073-02DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625DL

Quant Time: Jul 02 14:18:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

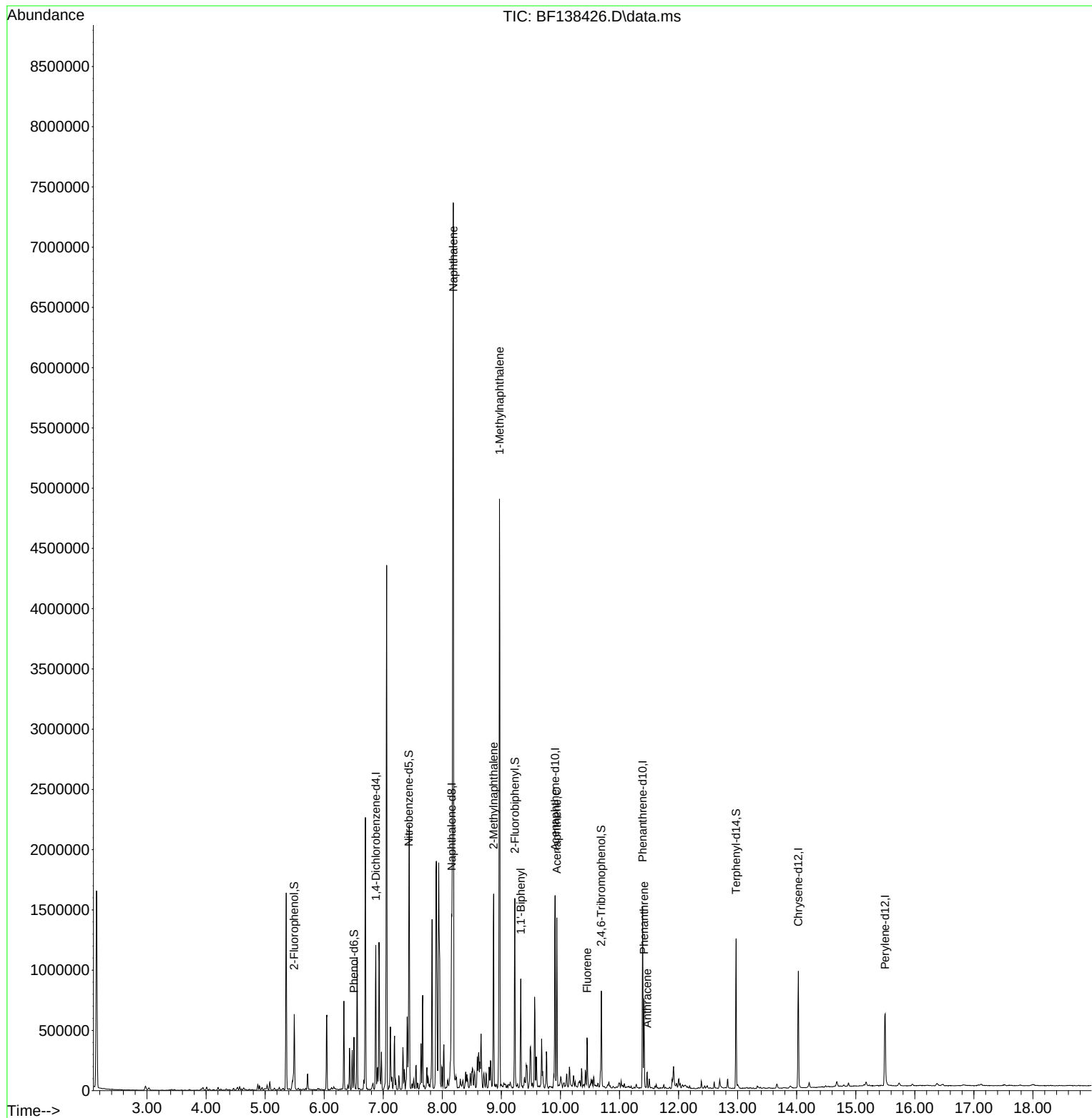
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	155771	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	601463	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	309723	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	491331	20.000	ng	0.00
76) Chrysene-d12	14.027	240	293366	20.000	ng	0.00
86) Perylene-d12	15.498	264	280751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	142758	15.194	ng	0.00
7) Phenol-d6	6.504	99	120640	9.532	ng	-0.01
23) Nitrobenzene-d5	7.434	82	205070	17.712	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	76116	30.080	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	393521	20.220	ng	0.00
79) Terphenyl-d14	12.974	244	374515	17.495	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.186	128	3583168	117.845	ng	98
37) 2-Methylnaphthalene	8.869	142	401567	20.435	ng	100
38) 1-Methylnaphthalene	8.969	142	1300339	68.231	ng	100
46) 1,1'-Biphenyl	9.328	154	234904	10.158	ng	100
52) Acenaphthene	9.939	154	248393	14.629	ng	98
58) Fluorene	10.451	166	110441	5.941	ng	98
71) Phenanthrene	11.416	178	236543	9.860	ng	98
72) Anthracene	11.469	178	50180	2.098	ng	98

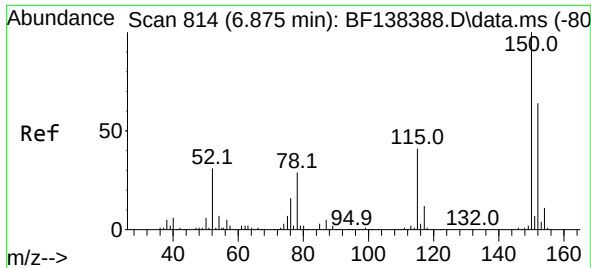
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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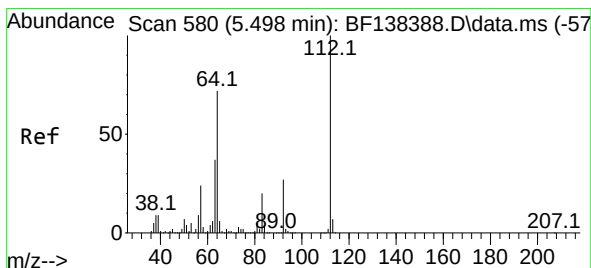
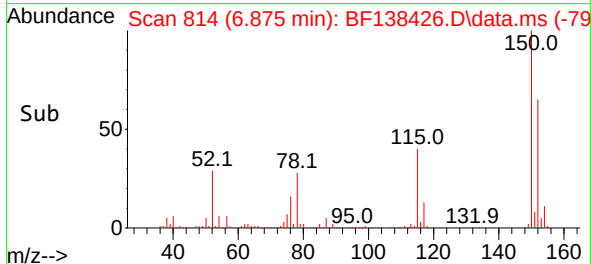
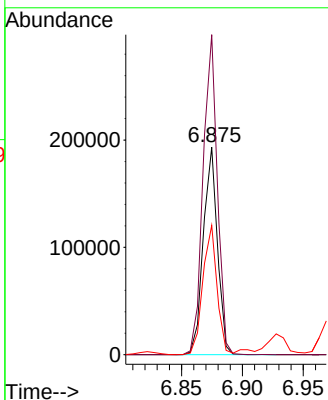
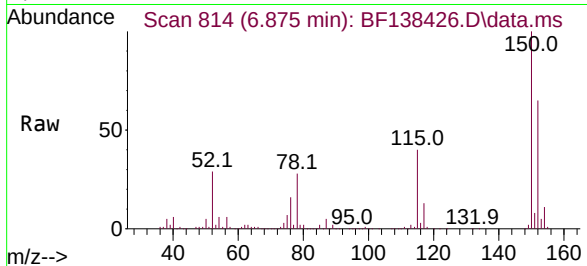




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

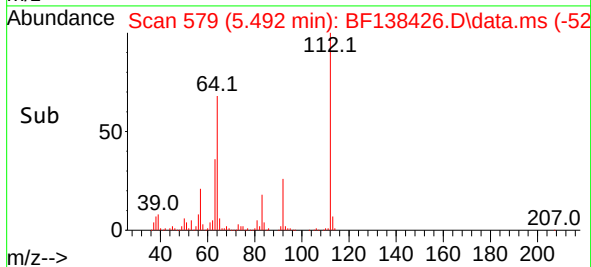
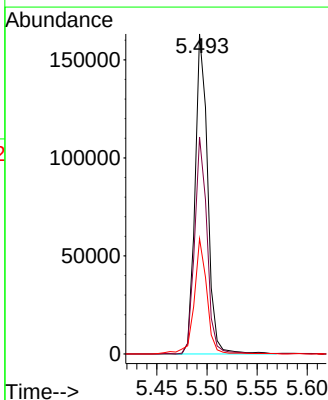
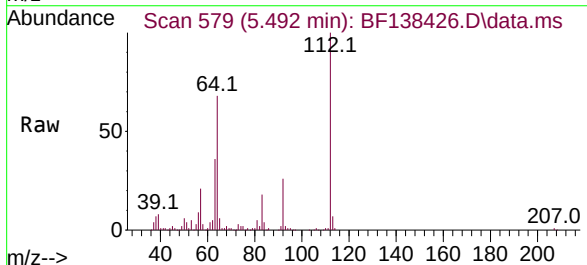
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

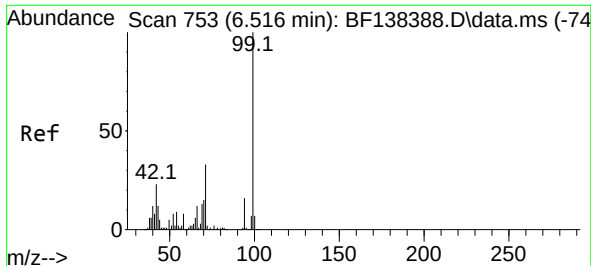
Tgt Ion:152 Resp: 155771
Ion Ratio Lower Upper
152 100
150 154.2 124.9 187.3
115 62.3 50.8 76.2



#5
2-Fluorophenol
Concen: 15.194 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:112 Resp: 142758
Ion Ratio Lower Upper
112 100
64 67.8 57.2 85.8
63 36.0 29.4 44.0

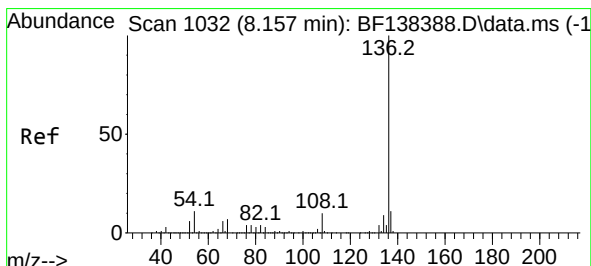
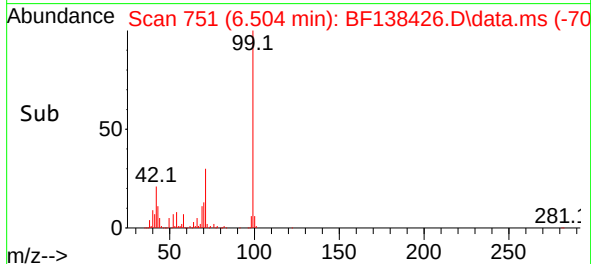
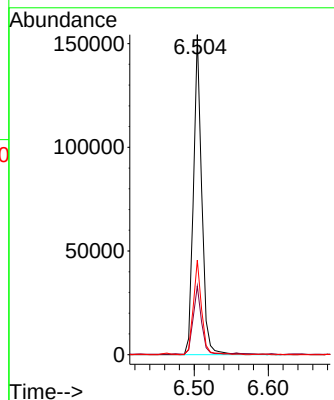
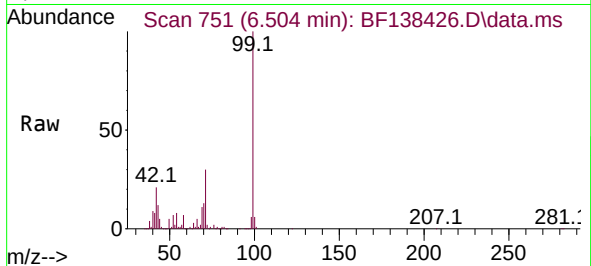




#7
Phenol-d6
Concen: 9.532 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

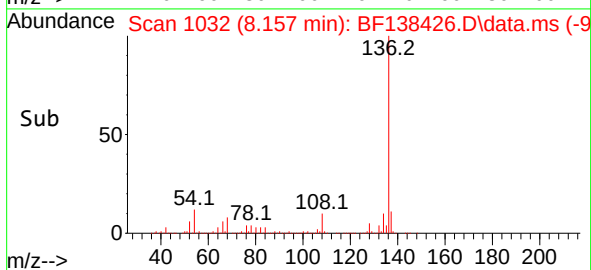
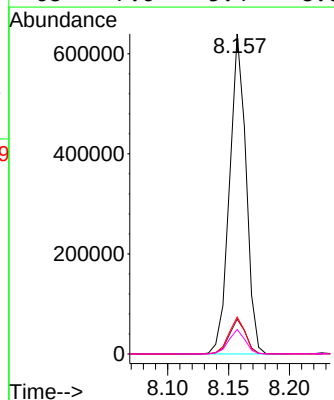
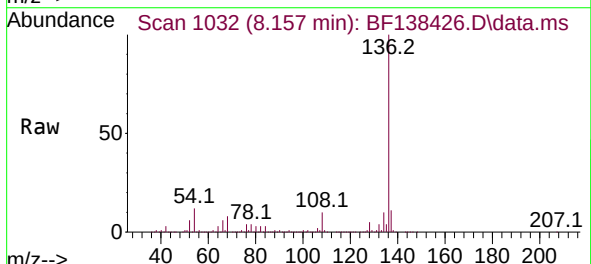
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

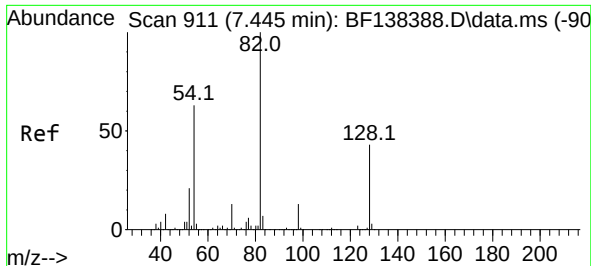
Tgt Ion: 99 Resp: 120640
Ion Ratio Lower Upper
99 100
42 21.5 18.5 27.7
71 29.6 26.1 39.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion: 136 Resp: 601463
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.5 9.0 13.4
68 7.6 5.4 8.0

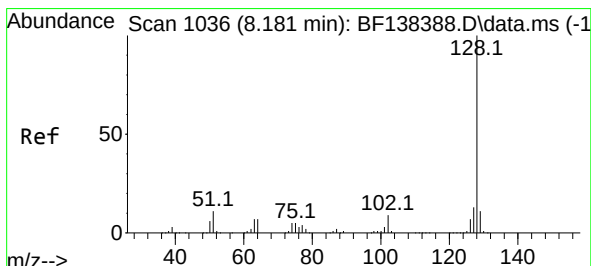
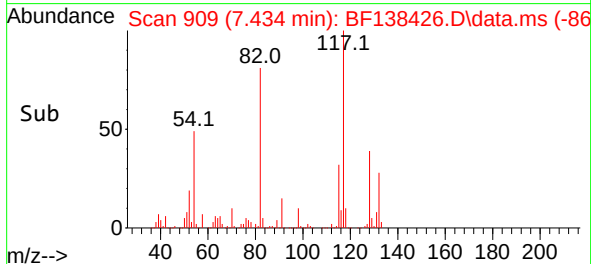
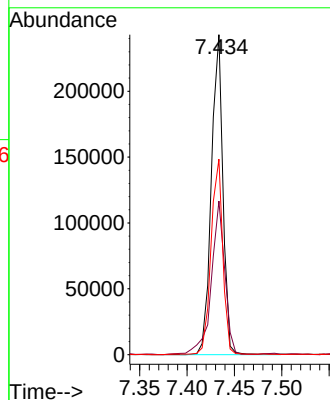
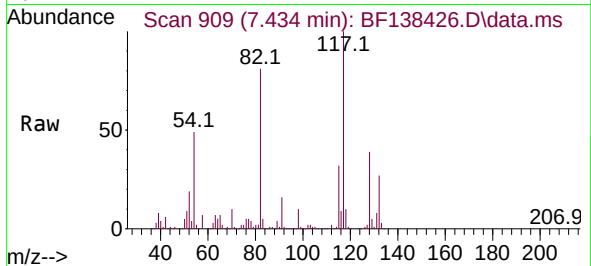




#23
Nitrobenzene-d5
Concen: 17.712 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

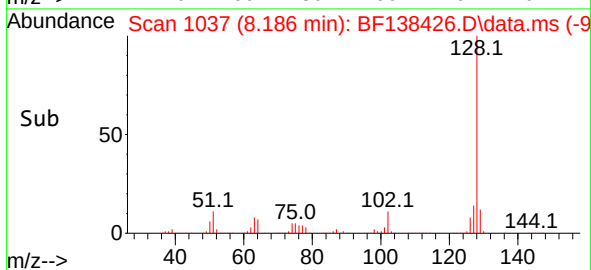
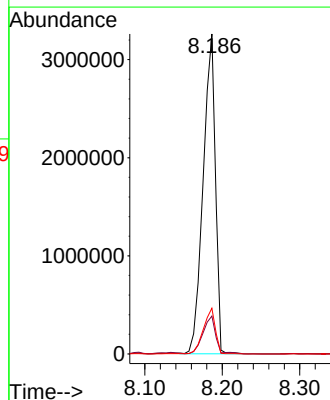
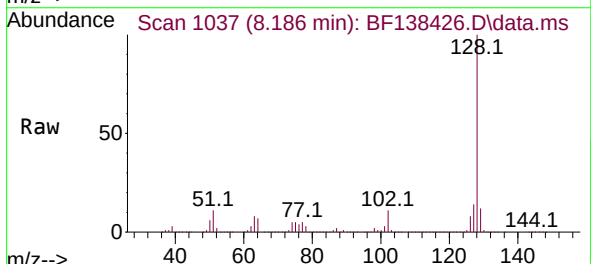
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

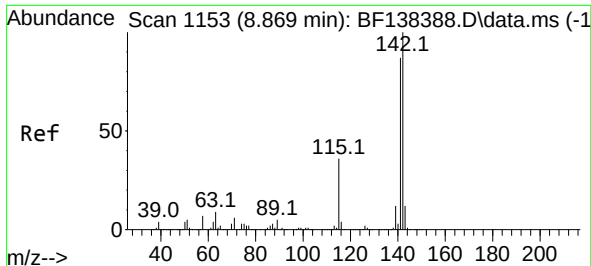
Tgt Ion: 82 Resp: 205070
Ion Ratio Lower Upper
82 100
128 48.0 34.6 52.0
54 61.1 50.5 75.7



#31
Naphthalene
Concen: 117.845 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:128 Resp: 3583168
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.6
127 14.3 10.6 16.0





#37

2-Methylnaphthalene

Concen: 20.435 ng

RT: 8.869 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF138426.D

Acq: 02 Jul 2024 13:48

Instrument :

BNA_F

ClientSampleId :

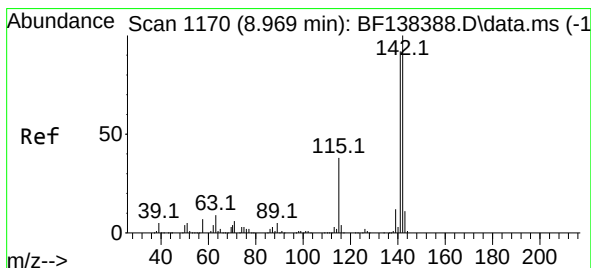
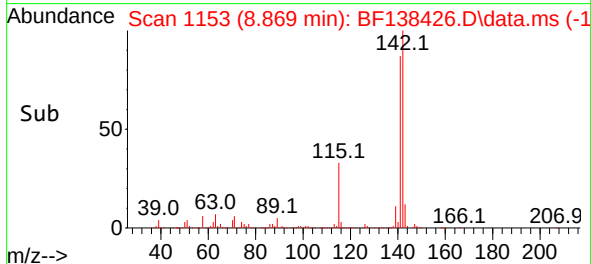
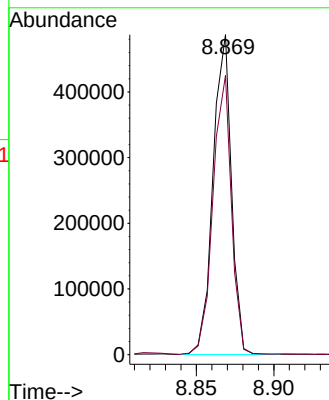
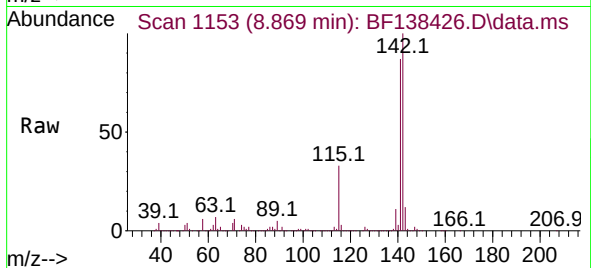
MW12-20240625DL

Tgt Ion:142 Resp: 401567

Ion Ratio Lower Upper

142 100

141 87.2 69.6 104.4



#38

1-Methylnaphthalene

Concen: 68.231 ng

RT: 8.969 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF138426.D

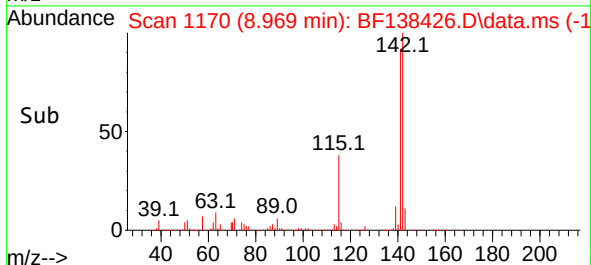
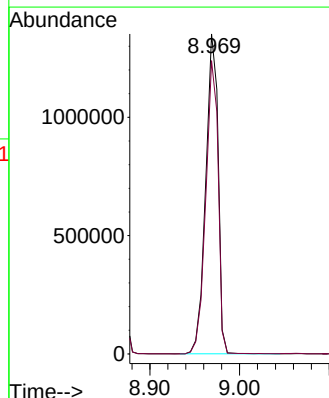
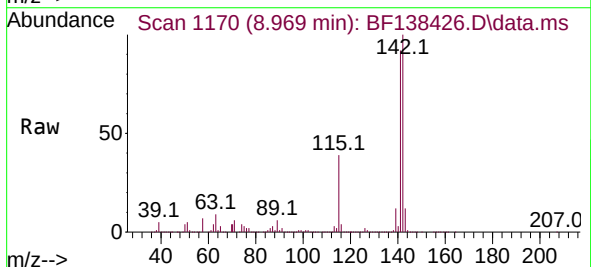
Acq: 02 Jul 2024 13:48

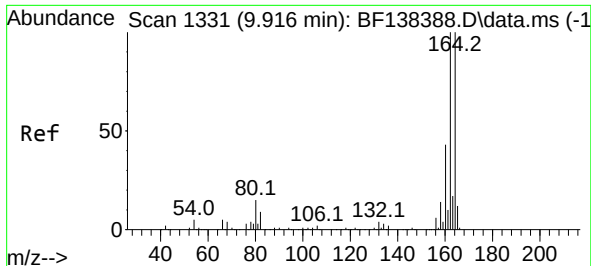
Tgt Ion:142 Resp: 1300339

Ion Ratio Lower Upper

142 100

141 91.7 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138426.D

Acq: 02 Jul 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MW12-20240625DL

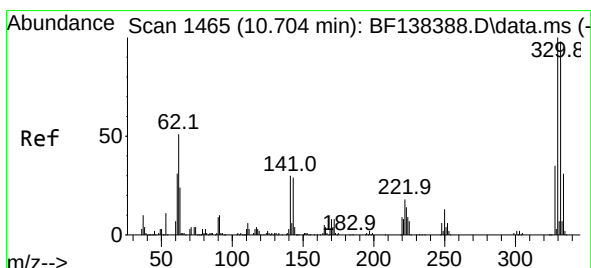
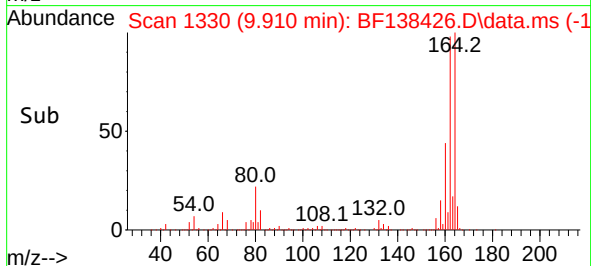
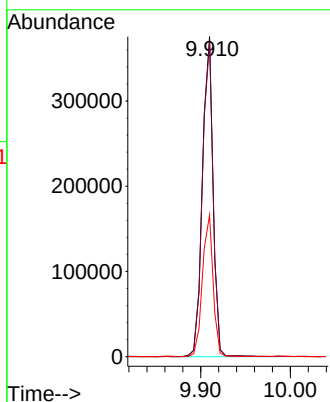
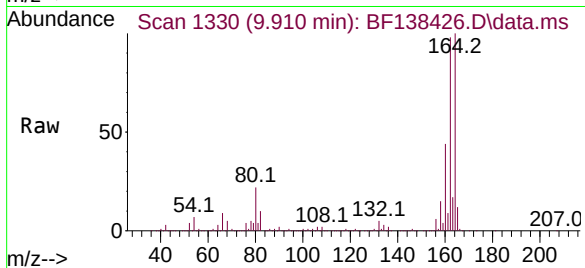
Tgt Ion:164 Resp: 309723

Ion Ratio Lower Upper

164 100

162 98.3 80.1 120.1

160 44.2 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 30.080 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138426.D

Acq: 02 Jul 2024 13:48

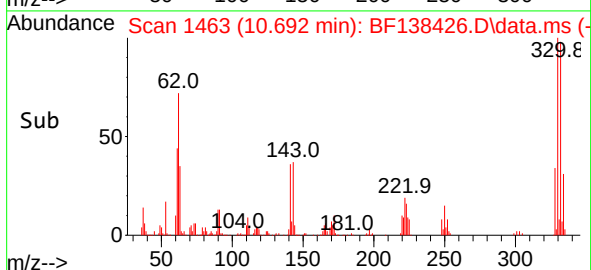
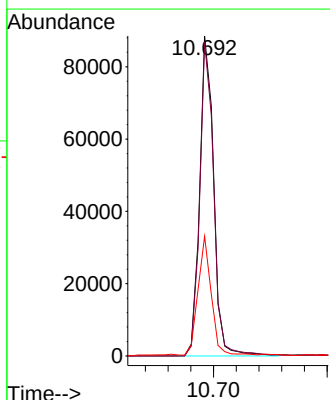
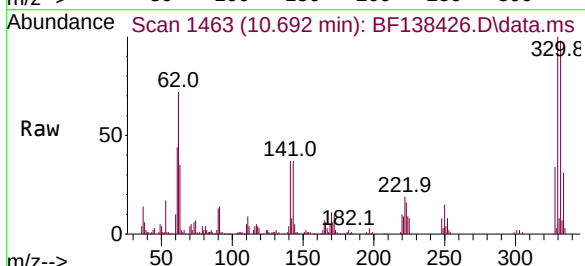
Tgt Ion:330 Resp: 76116

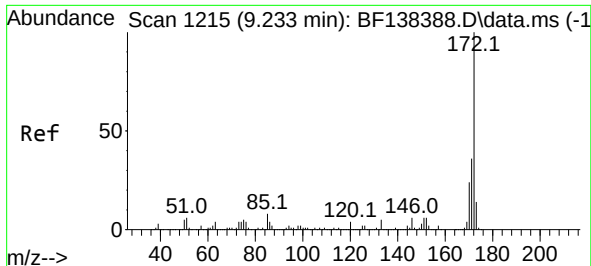
Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

141 37.3 28.1 42.1

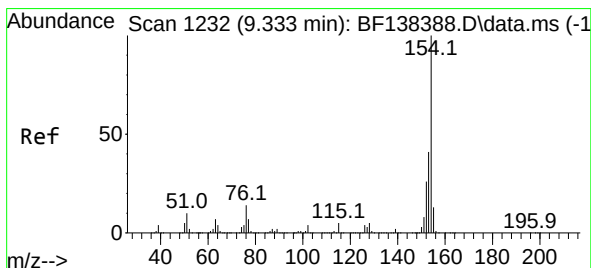
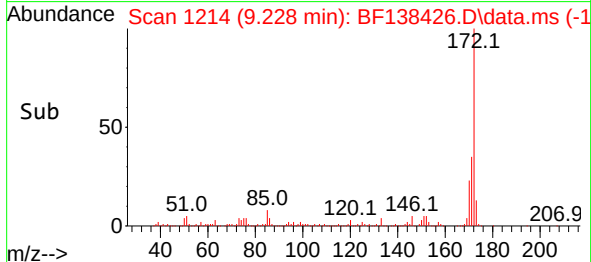
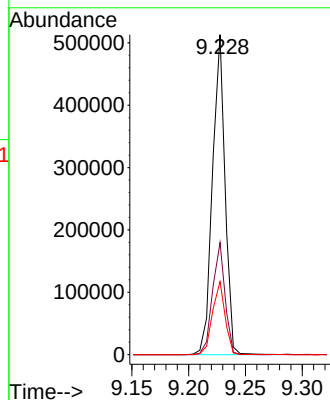
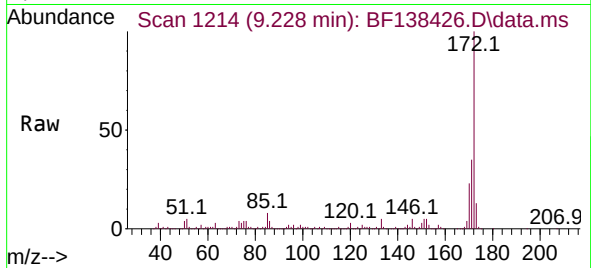




#45
2-Fluorobiphenyl
Concen: 20.220 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

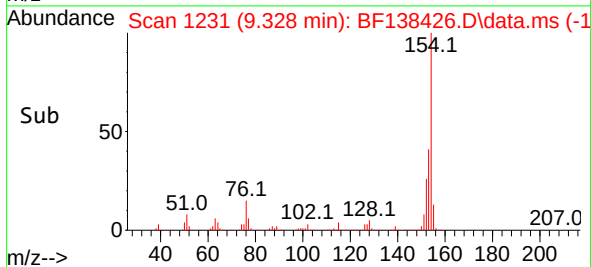
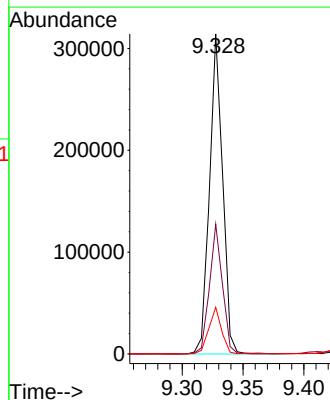
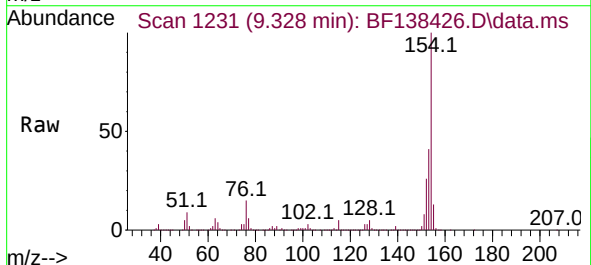
Instrument :
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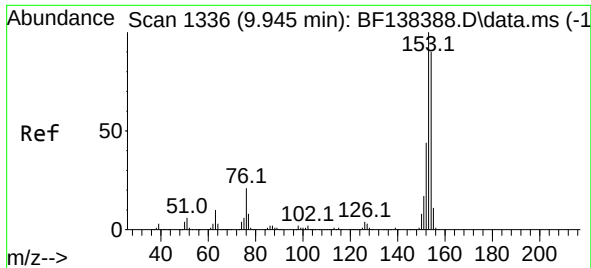
Tgt Ion:172 Resp: 393521
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 22.9 19.0 28.6



#46
1,1'-Biphenyl
Concen: 10.158 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:154 Resp: 234904
Ion Ratio Lower Upper
154 100
153 40.6 20.5 60.5
76 14.6 0.0 34.4

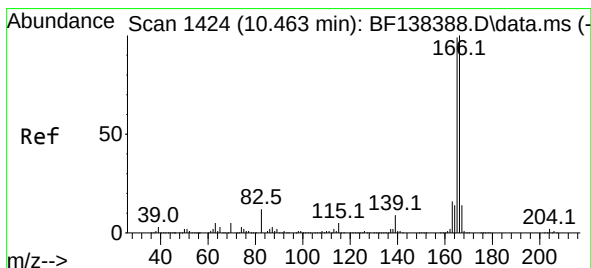
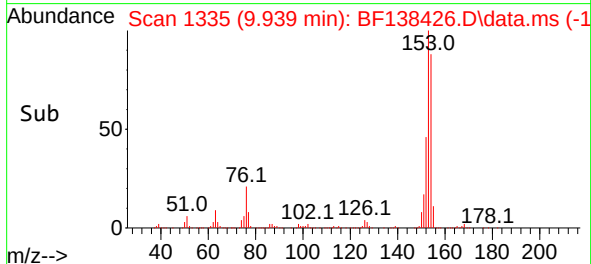
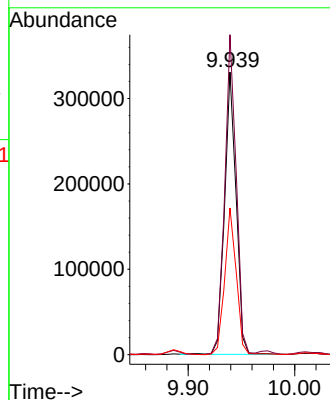
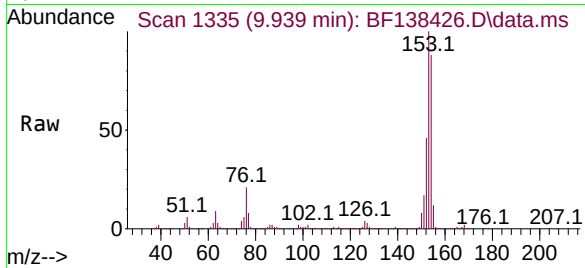




#52
Acenaphthene
Concen: 14.629 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

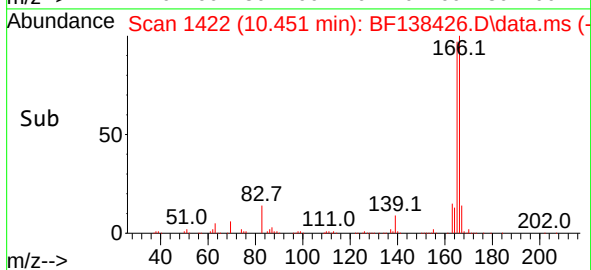
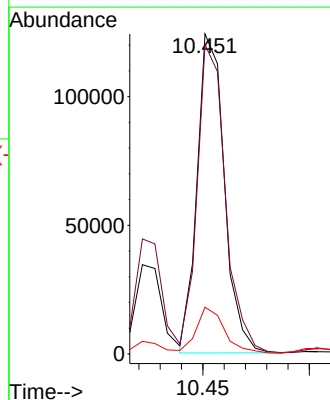
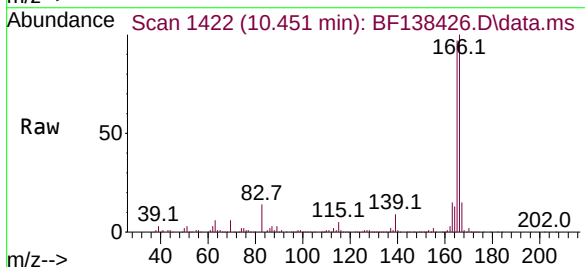
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

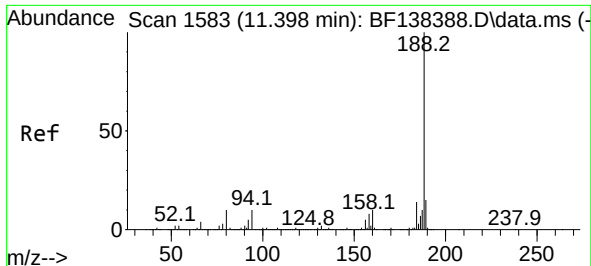
Tgt Ion:154 Resp: 248393
Ion Ratio Lower Upper
154 100
153 113.2 89.4 134.0
152 51.9 39.7 59.5



#58
Fluorene
Concen: 5.941 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:166 Resp: 110441
Ion Ratio Lower Upper
166 100
165 96.7 79.0 118.6
167 14.6 10.8 16.2

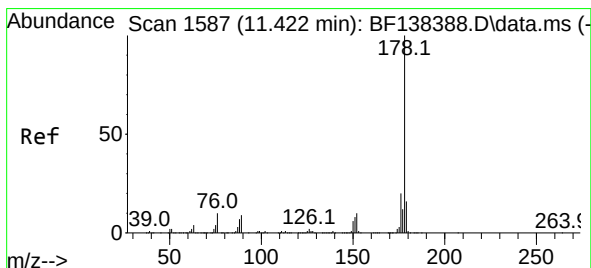
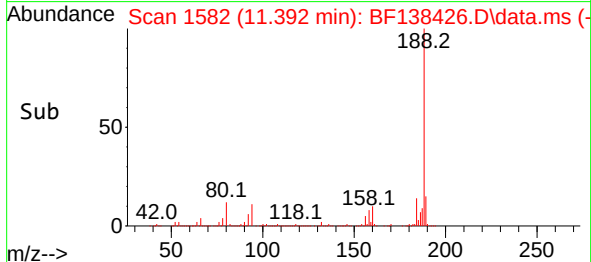
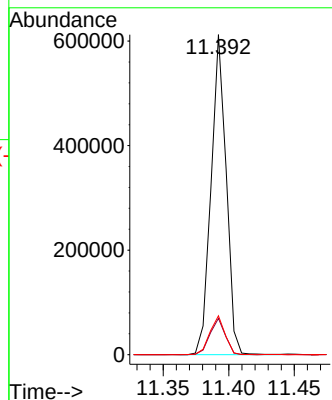
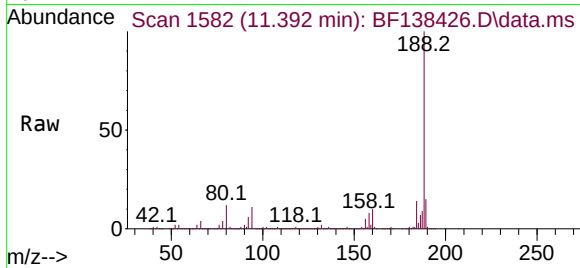




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

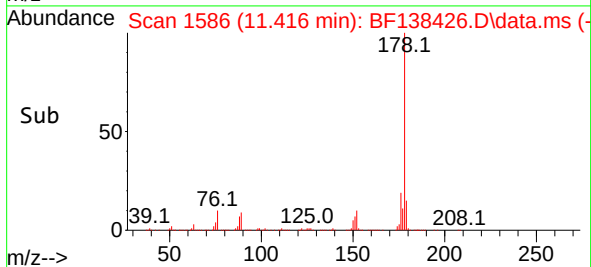
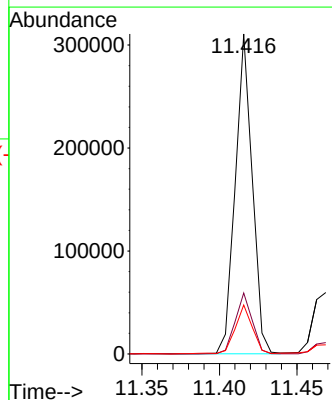
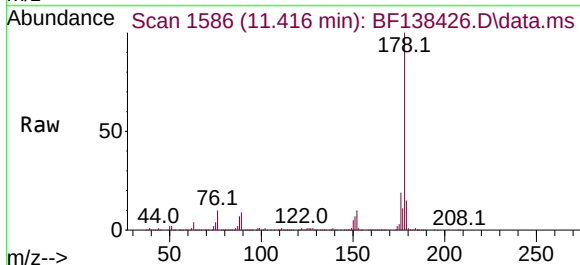
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

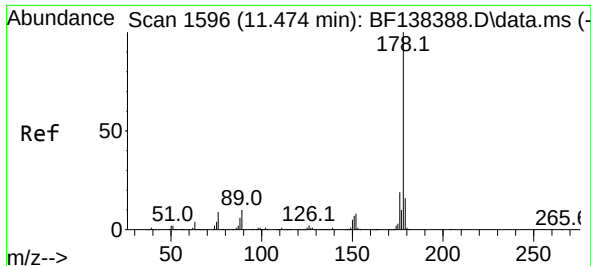
Tgt Ion:188 Resp: 491331
Ion Ratio Lower Upper
188 100
94 11.4 8.0 12.0
80 12.2 8.2 12.4



#71
Phenanthrene
Concen: 9.860 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:178 Resp: 236543
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 15.3 12.6 18.8

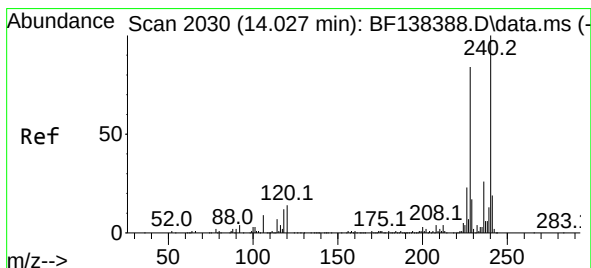
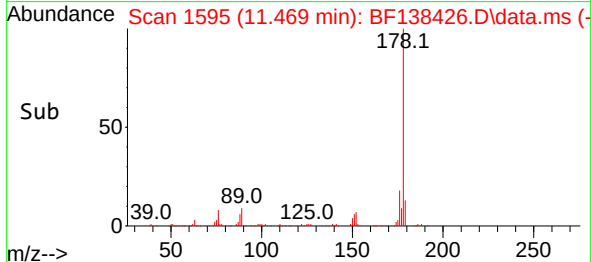
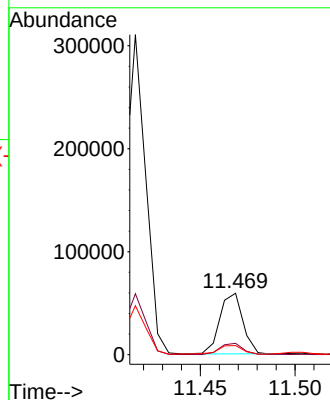
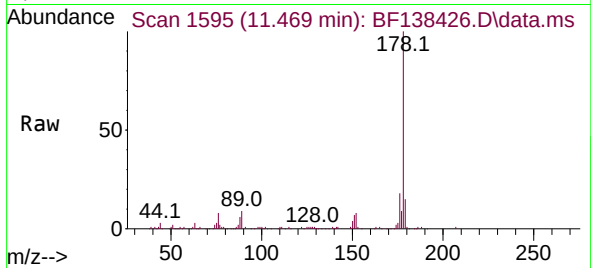




#72
Anthracene
Concen: 2.098 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

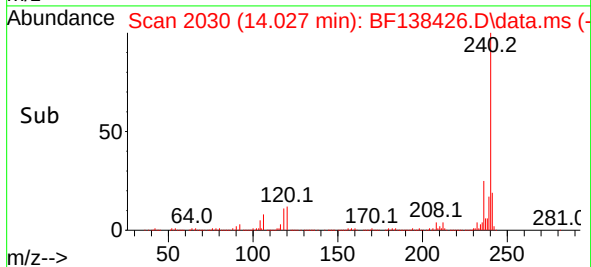
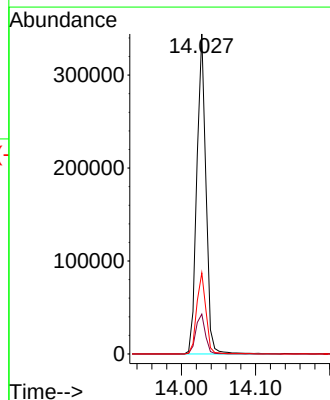
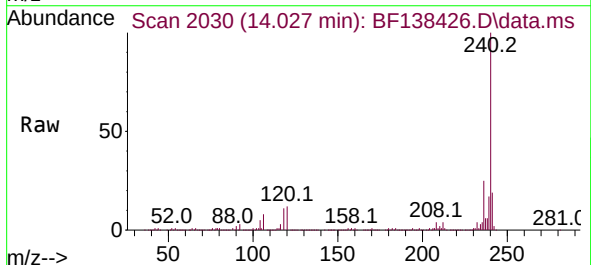
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

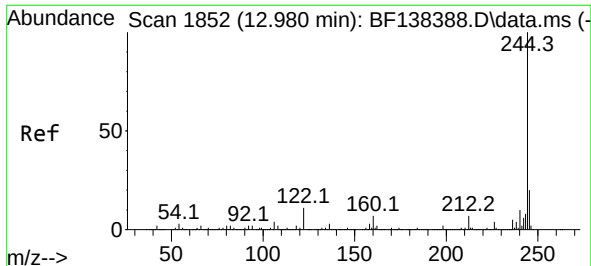
Tgt Ion:178 Resp: 50180
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 14.8 12.7 19.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

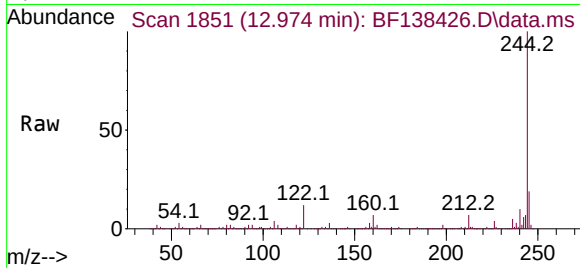
Tgt Ion:240 Resp: 293366
Ion Ratio Lower Upper
240 100
120 12.4 10.9 16.3
236 25.4 20.6 30.8



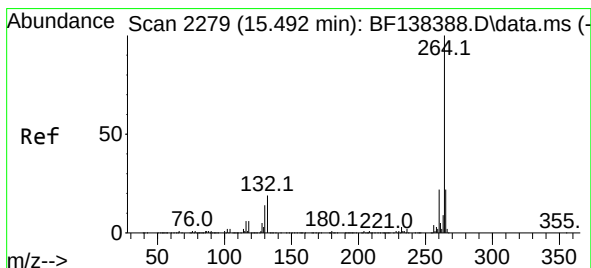
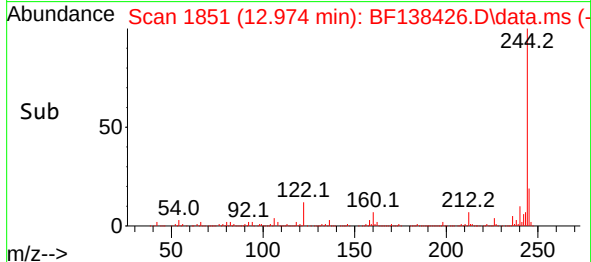
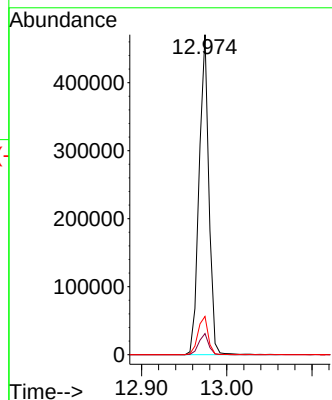


#79
 Terphenyl-d14
 Concen: 17.495 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138426.D
 Acq: 02 Jul 2024 13:48

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625DL



Tgt Ion:244 Resp: 374515
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 12.0 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2280
 Delta R.T. 0.006 min
 Lab File: BF138426.D
 Acq: 02 Jul 2024 13:48

Tgt Ion:264 Resp: 280751
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.8 26.6
 265 21.6 17.5 26.3

