

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)

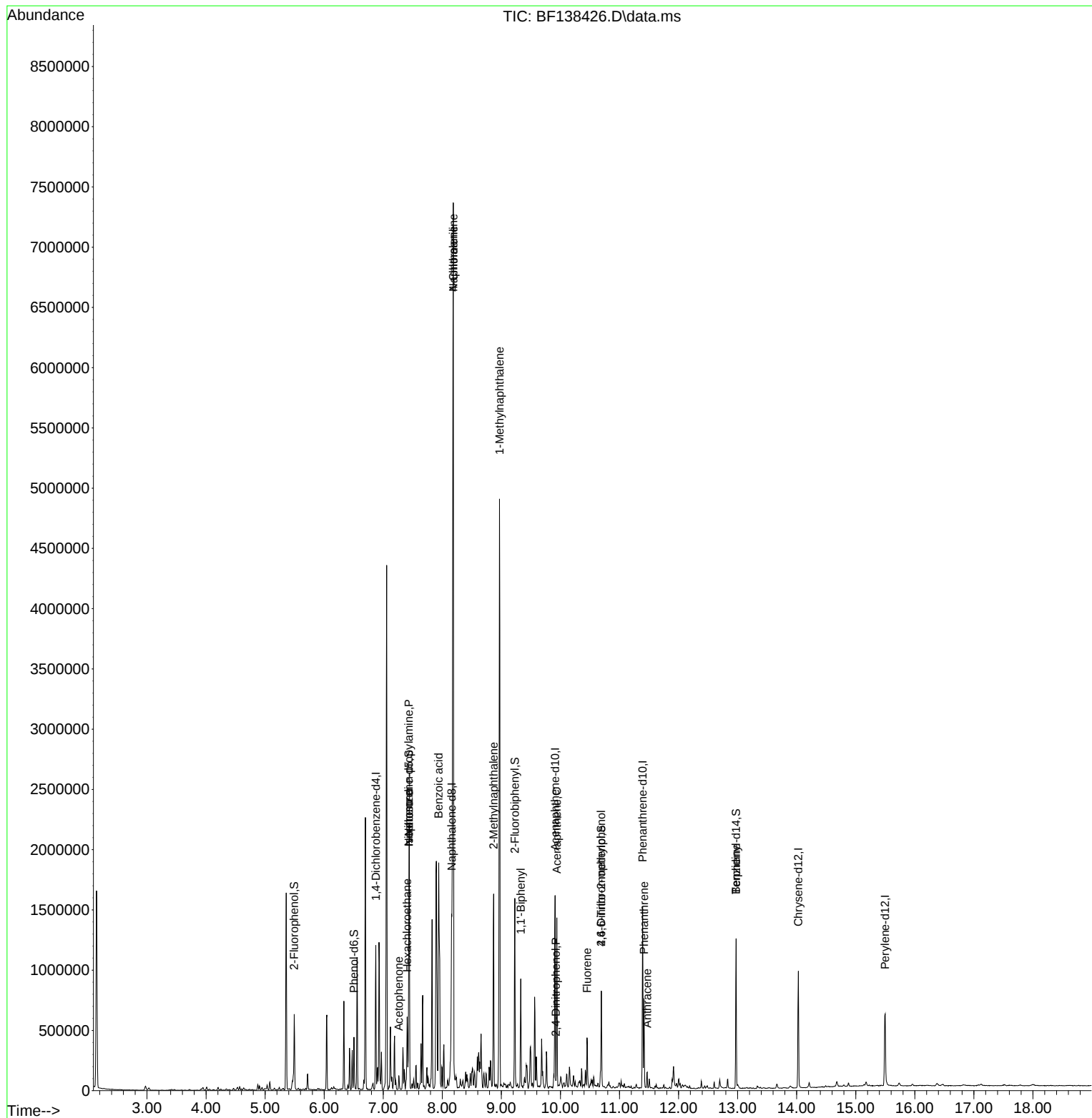
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	155771	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	601463	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	309723	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	491331	20.000	ng	0.00
76) Chrysene-d12	14.027	240	293366	20.000	ng	0.00
86) Perylene-d12	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
18) Hexachloroethane	7.404	117	53560	12.821	ng	# 1
19) n-Nitroso-di-n-propyla...	7.434	70	26603	3.334	ng	# 78
22) Acetophenone	7.263	105	40025	2.933	ng	# 41
25) Isophorone	7.434	82	203034	9.510	ng	# 67
31) Naphthalene	8.186	128	3583168	117.845	ng	98
32) Benzoic acid	7.939	122	4125	4.734	ng	# 1
33) 4-Chloroaniline	8.186	127	499726	47.059	ng	# 32
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
54) 2,4-Dinitrophenol	9.922	184	62	8.960	ng	# 1
58) Fluorene	10.451	166	110441	5.941	ng	98
65) 4,6-Dinitro-2-methylph...	10.692	198	177	5.859	ng	# 1
71) Phenanthrene	11.416	178	236543	9.860	ng	98
72) Anthracene	11.469	178	50180	2.098	ng	98
77) Benzidine	12.974	184	4816	2.053	ng	# 91

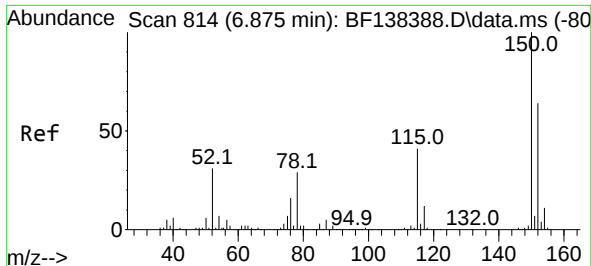
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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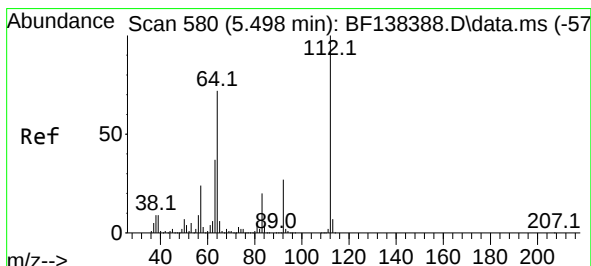
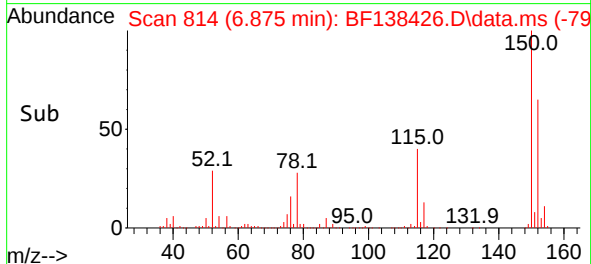
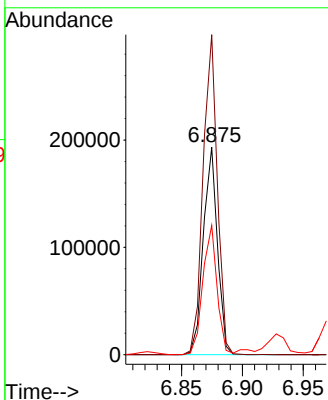
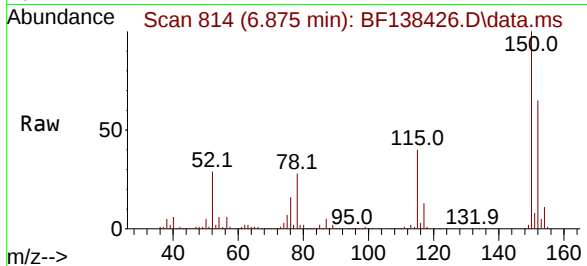




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

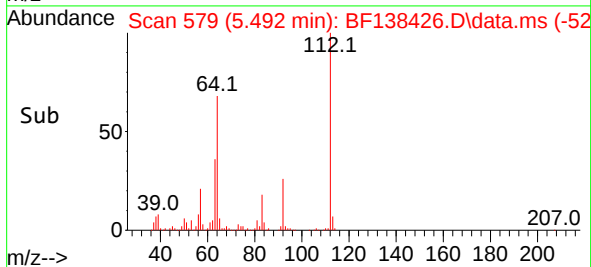
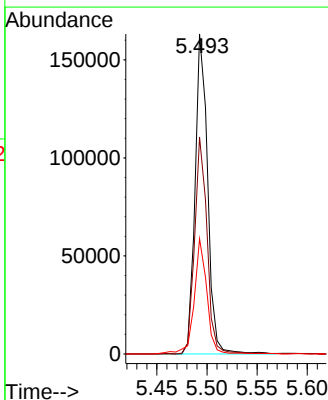
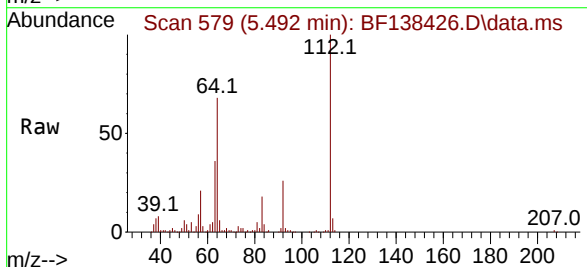
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

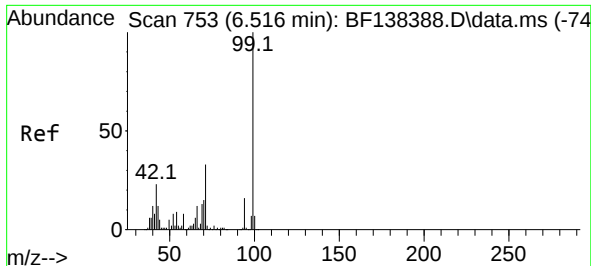
Tgt Ion:152 Resp: 155771
Ion Ratio Lower Upper
152 100
150 154.2 124.9 187.3
115 62.3 50.8 76.2



#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

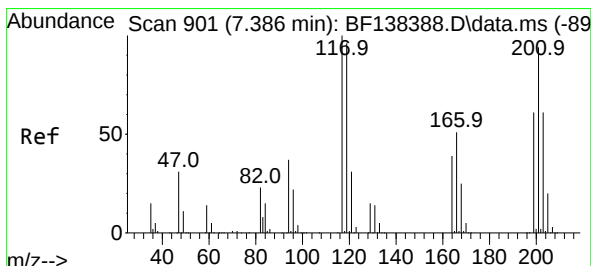
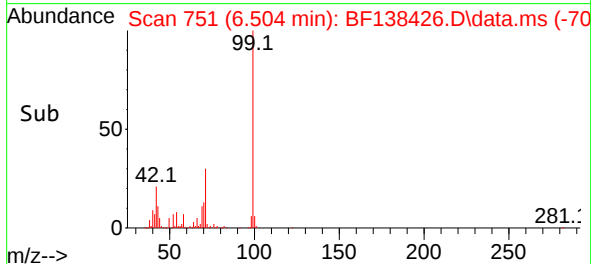
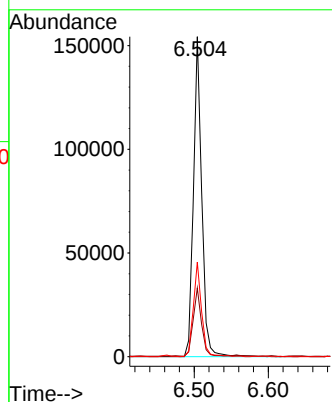
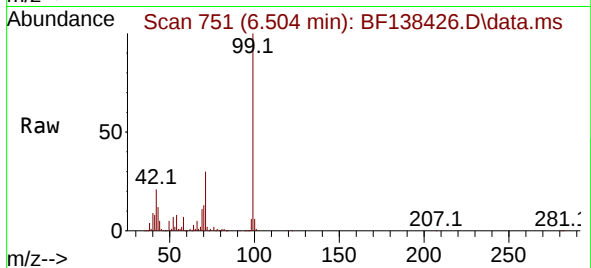




#7
Phenol-d6
Concen: 9.532 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

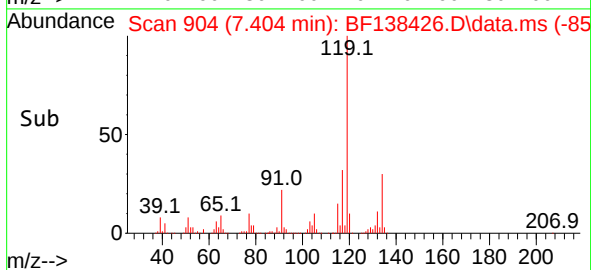
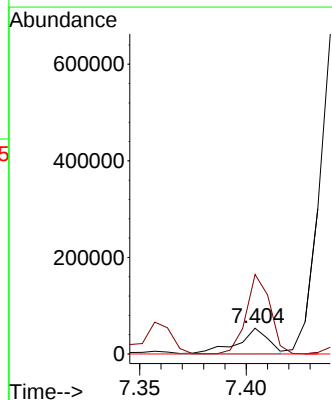
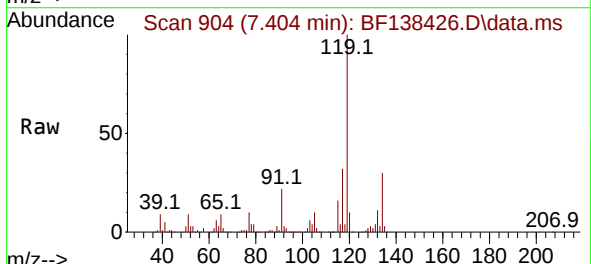
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

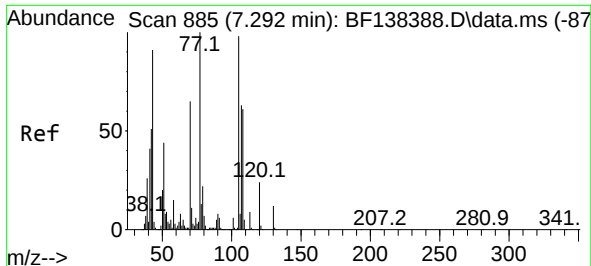
Tgt Ion: 99 Resp: 120640
Ion Ratio Lower Upper
99 100
42 21.5 18.5 27.7
71 29.6 26.1 39.1



#18
Hexachloroethane
Concen: 12.821 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.018 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion: 117 Resp: 53560
Ion Ratio Lower Upper
117 100
119 307.9 77.1 115.7#
201 0.0 75.6 113.4#

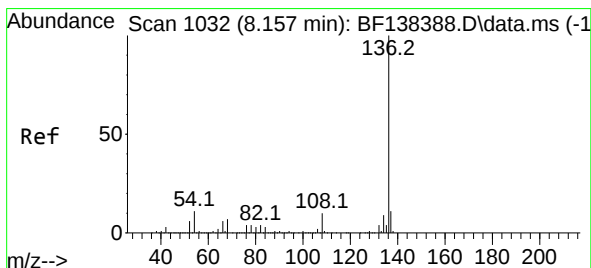
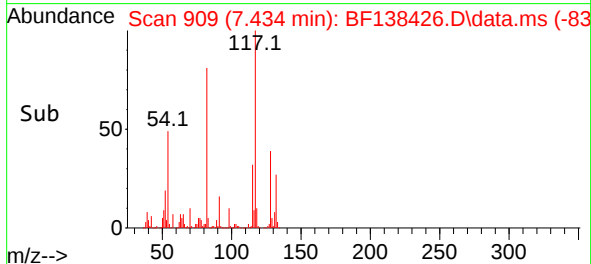
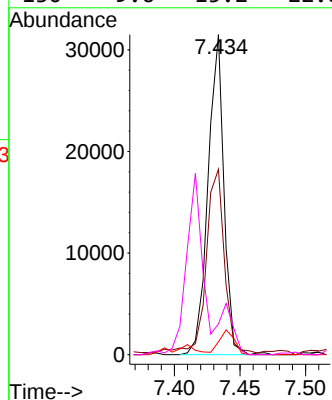
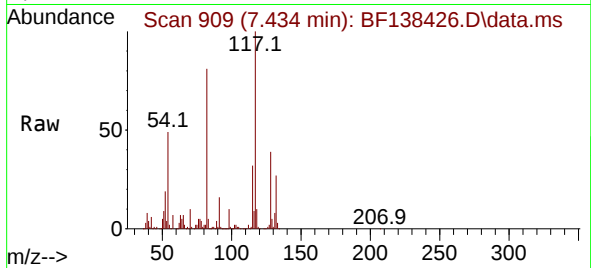




#19
n-Nitroso-di-n-propylamine
Concen: 3.334 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

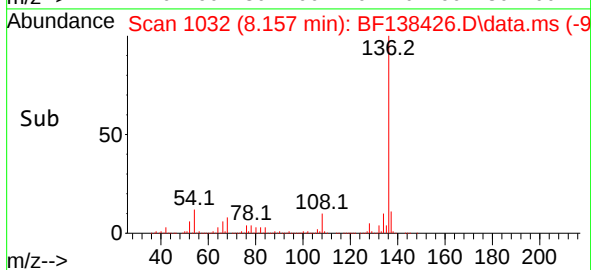
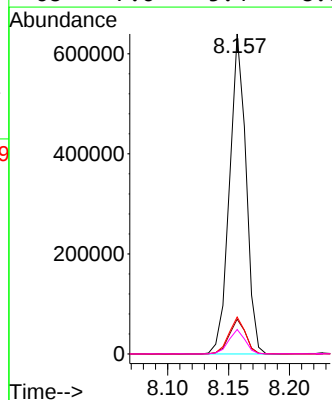
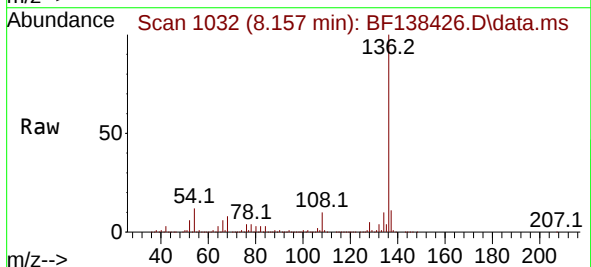
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

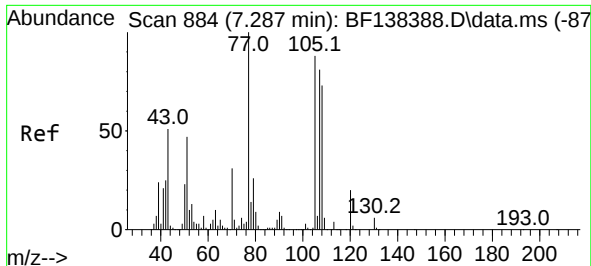
Tgt Ion: 70 Resp: 26603
Ion Ratio Lower Upper
70 100
42 58.0 62.5 93.7#
101 4.0 7.0 10.4#
130 9.6 15.2 22.8#



#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

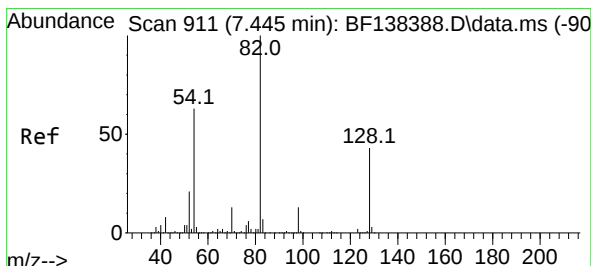
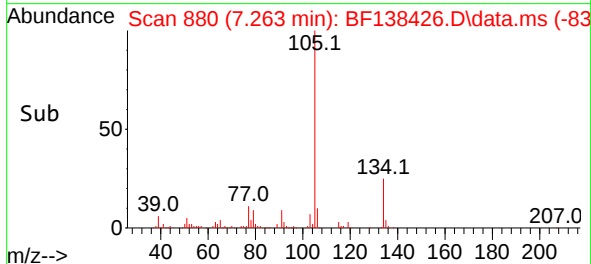
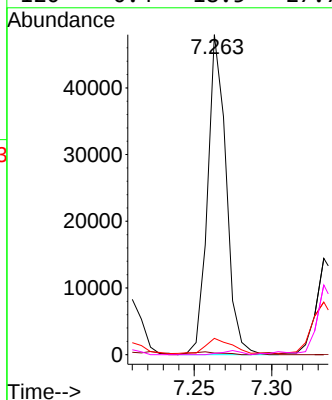
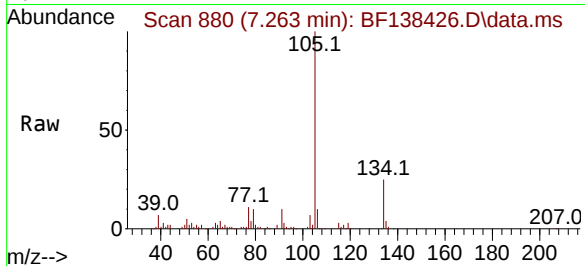




#22
Acetophenone
Concen: 2.933 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.024 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

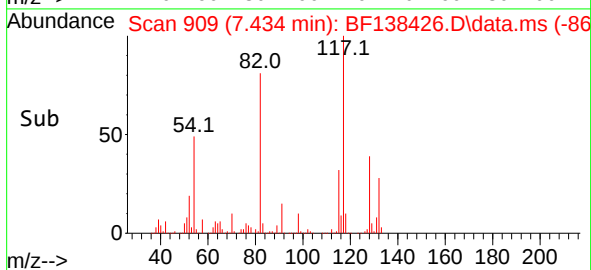
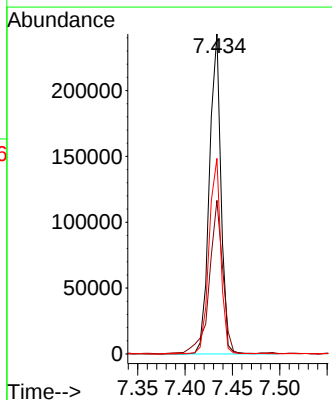
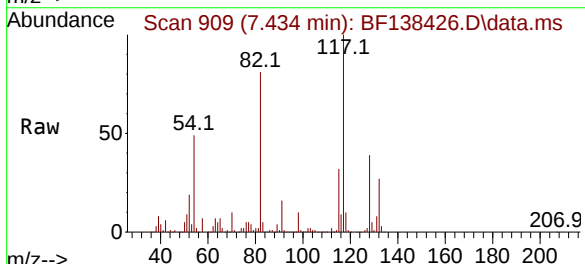
Instrument :
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ClientSampleId :
MW12-20240625DL

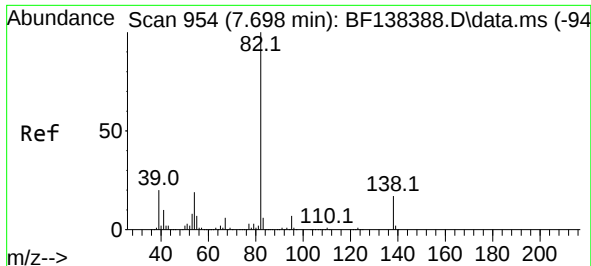
Tgt Ion:105 Resp: 40025
Ion Ratio Lower Upper
105 100
71 0.5 4.7 7.1#
51 5.1 43.2 64.8#
120 0.4 18.5 27.7#



#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

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

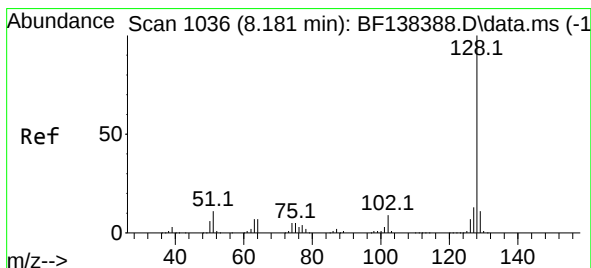
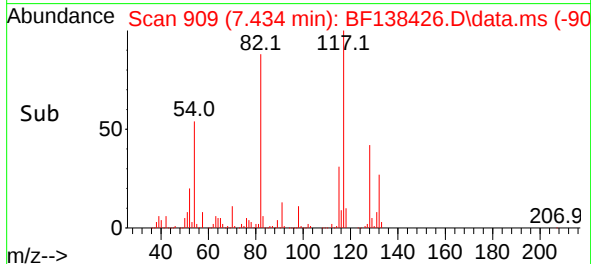
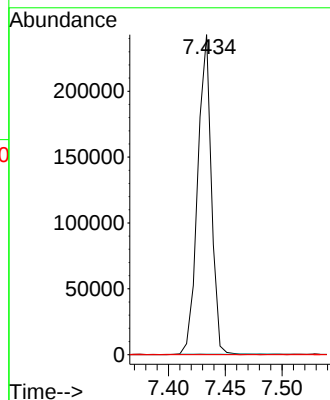
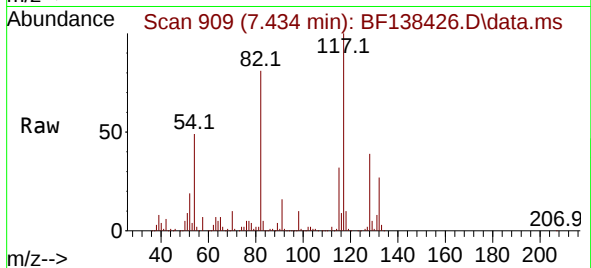




#25
Isophorone
Concen: 9.510 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

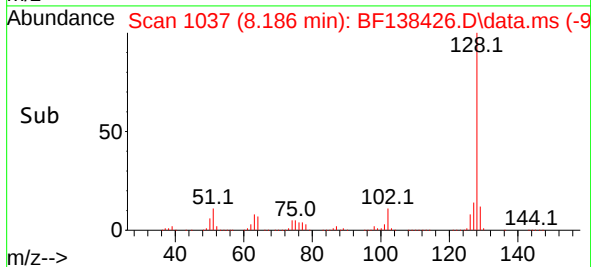
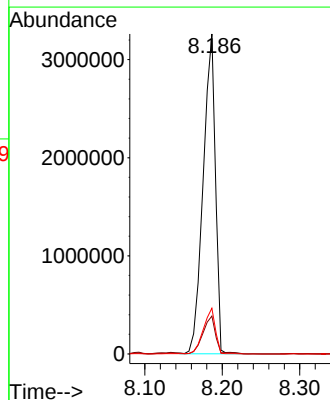
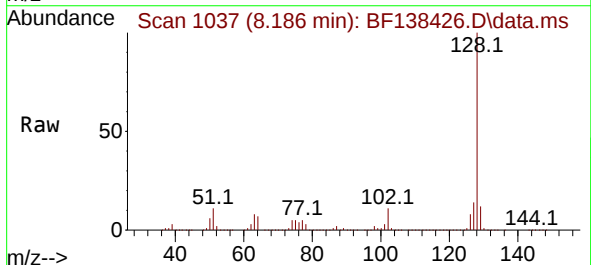
Instrument :
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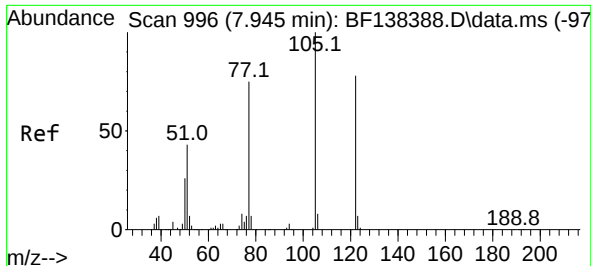
Tgt Ion: 82 Resp: 203034
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.4 20.2#



#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

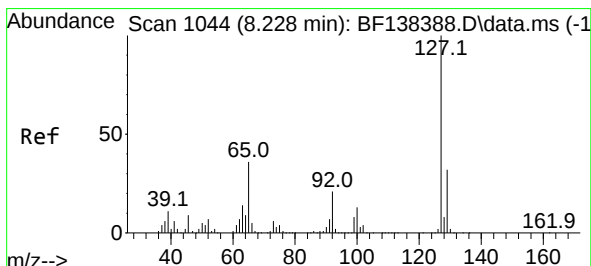
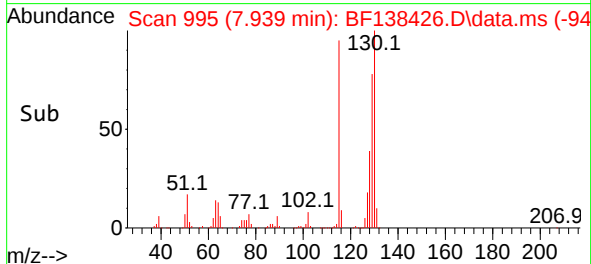
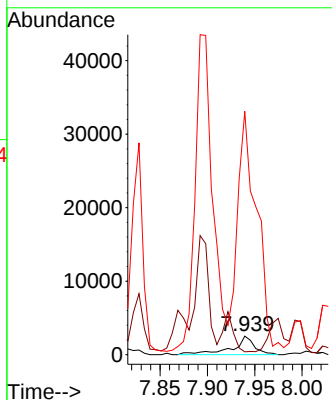
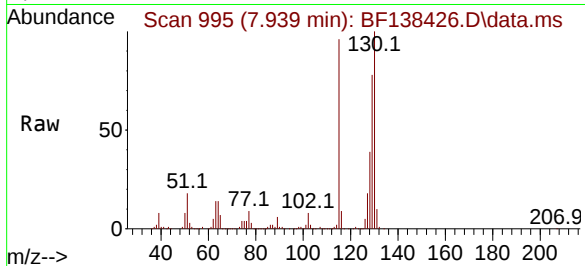




#32
Benzoic acid
Concen: 4.734 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

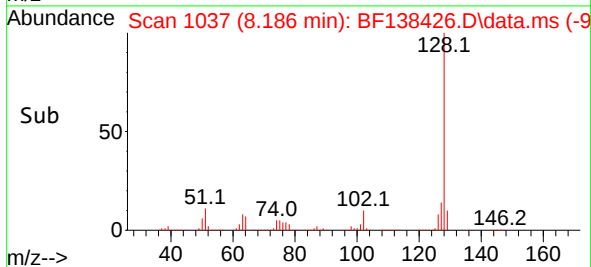
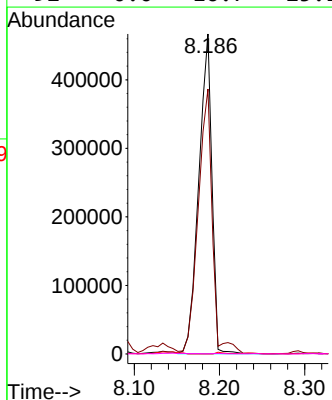
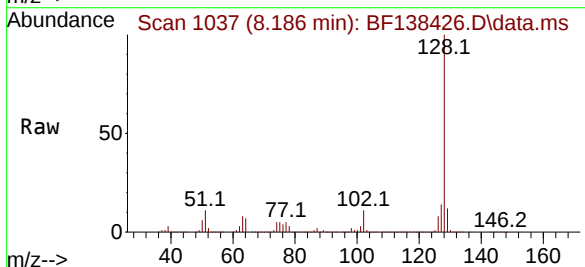
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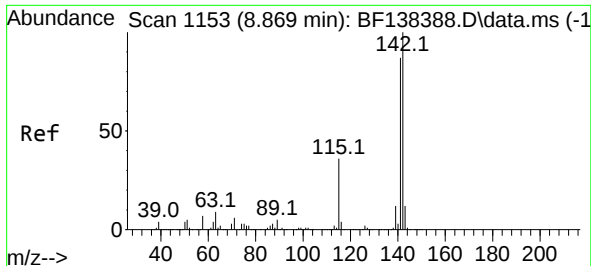
Tgt Ion:122 Resp: 4125
Ion Ratio Lower Upper
122 100
105 15.8 103.8 143.8#
77 1311.4 74.3 114.3#



#33
4-Chloroaniline
Concen: 47.059 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.041 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:127 Resp: 499726
Ion Ratio Lower Upper
127 100
129 82.8 25.4 38.2#
65 0.0 28.7 43.1#
92 0.0 16.7 25.1#





#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 :

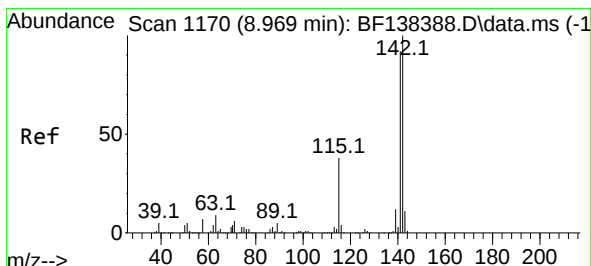
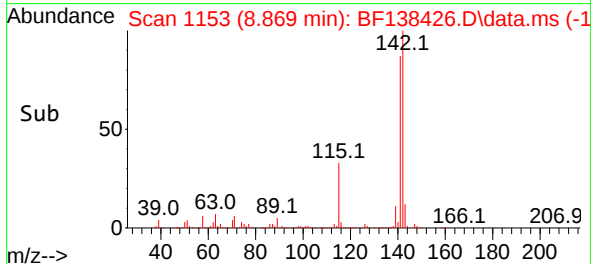
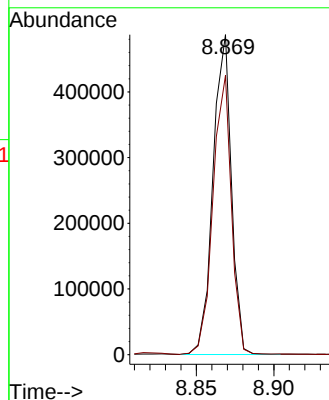
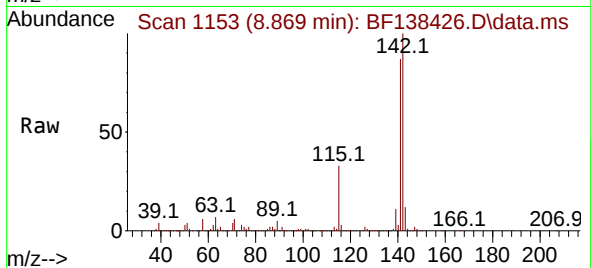
MW12-20240625DL

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

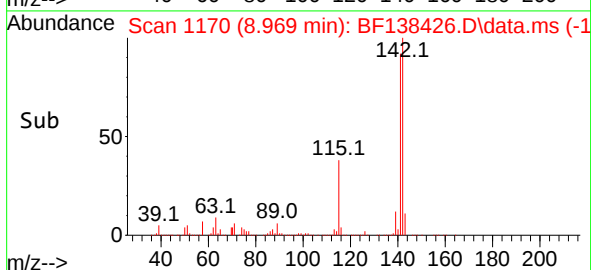
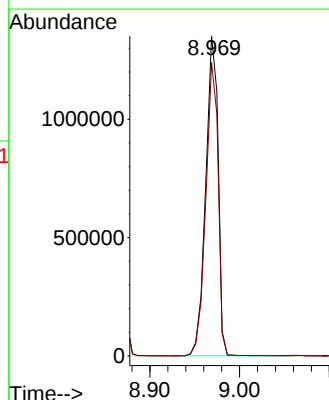
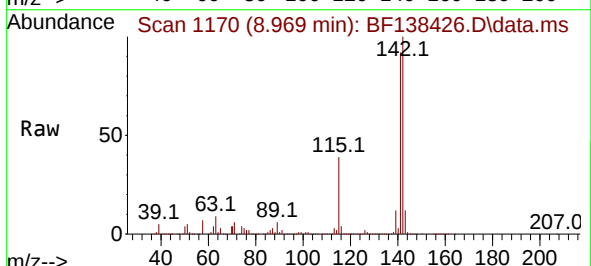
Acq: 02 Jul 2024 13:48

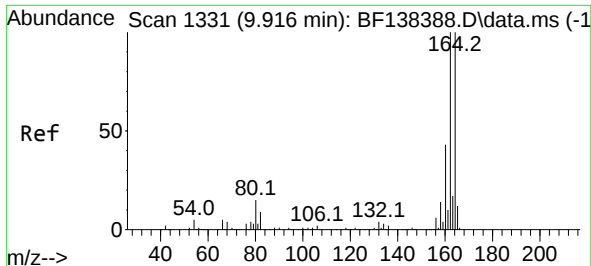
Tgt Ion:142 Resp: 1300339

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

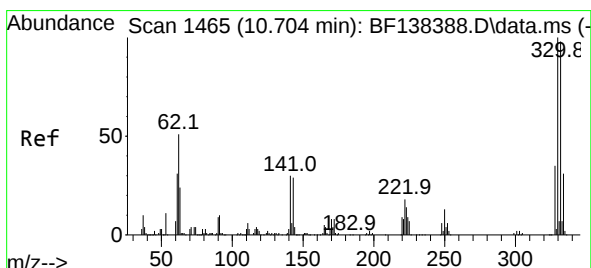
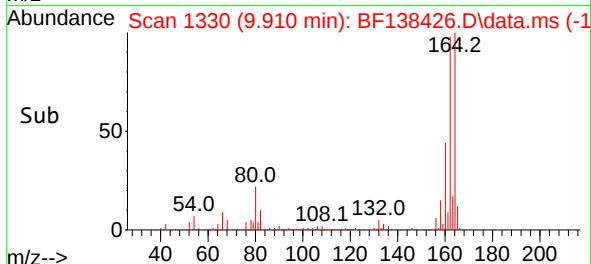
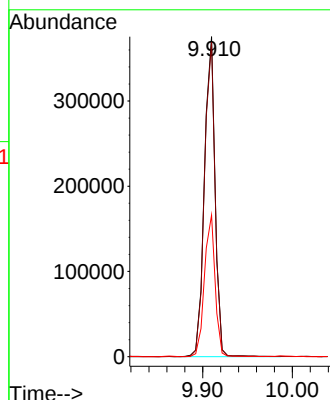
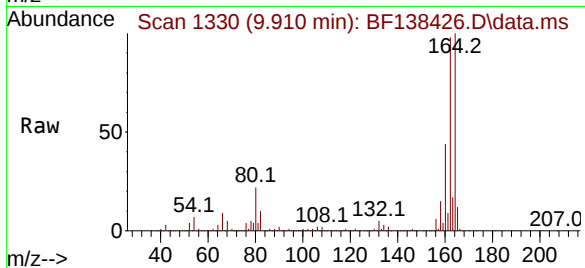
Tgt Ion:164 Resp: 309723

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

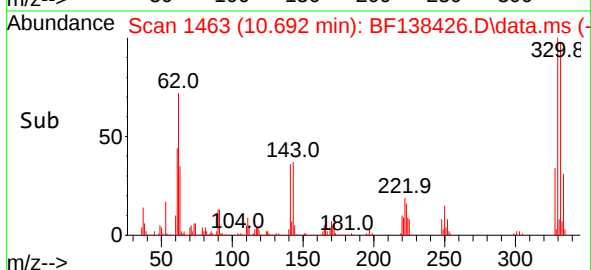
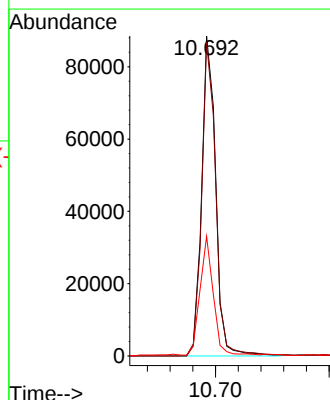
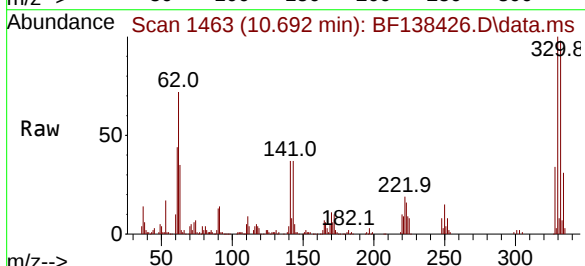
Tgt Ion:330 Resp: 76116

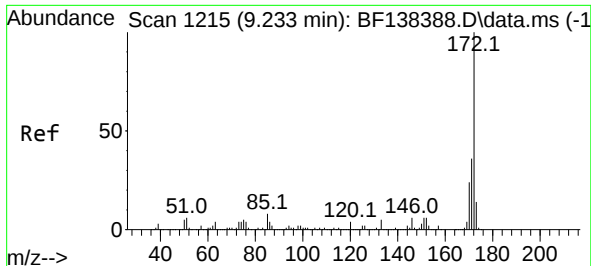
Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

141 37.3 28.1 42.1

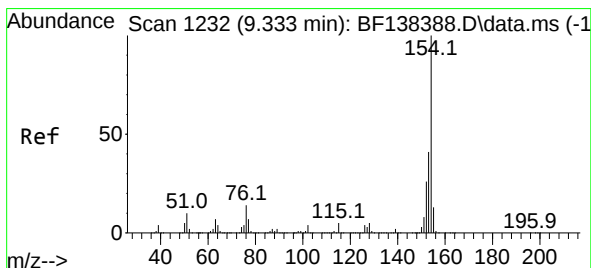
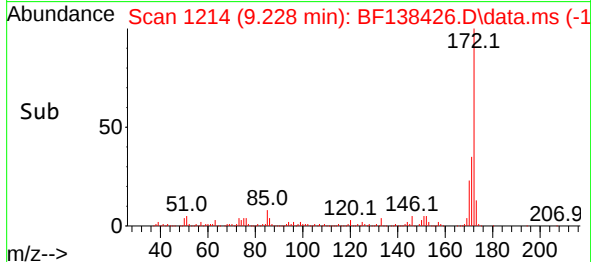
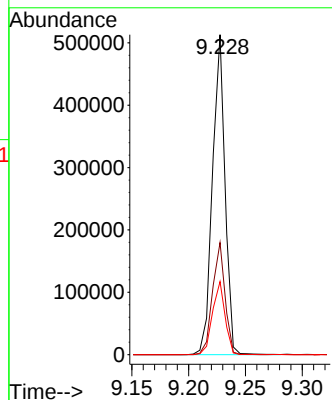
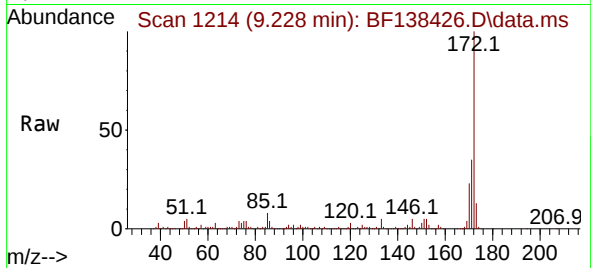




#45
2-Fluorobiphenyl
Concen: 20.220 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

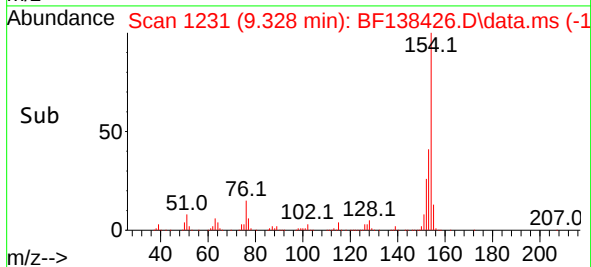
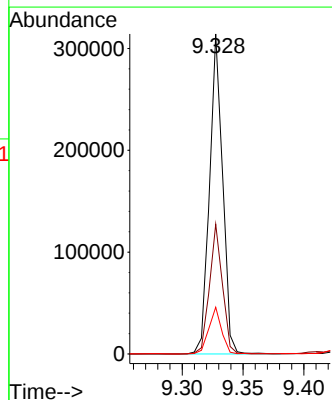
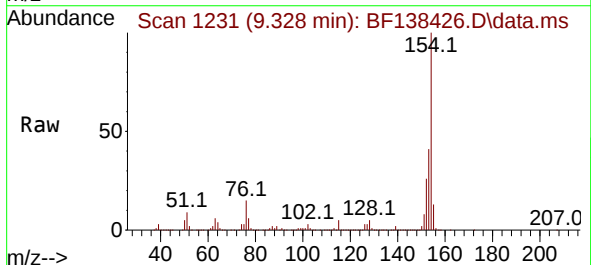
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

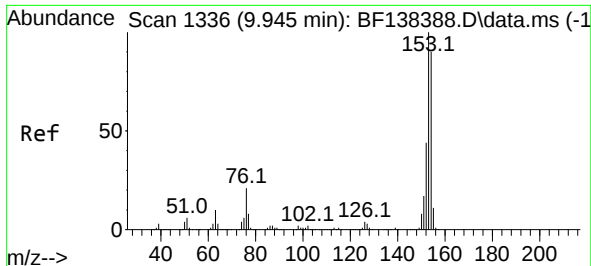
Tgt Ion:172 Resp: 393521
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 22.9 19.0 28.6



#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

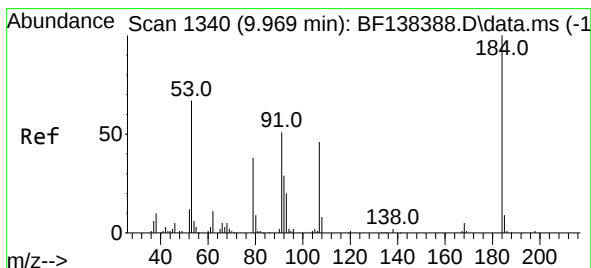
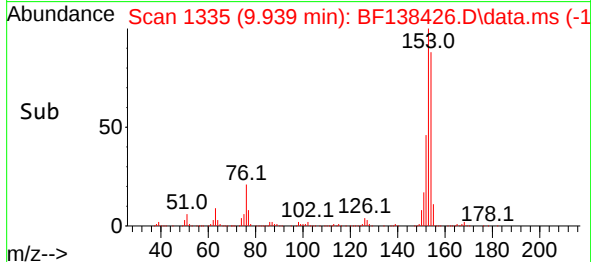
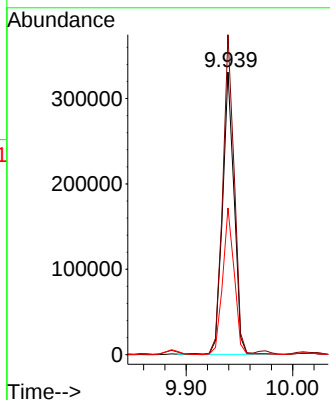
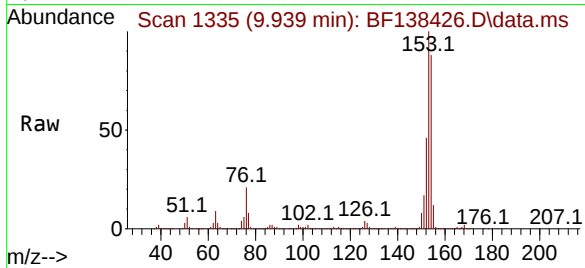




#52
Acenaphthene
Concen: 14.629 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

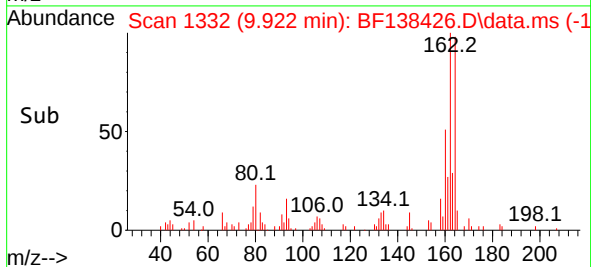
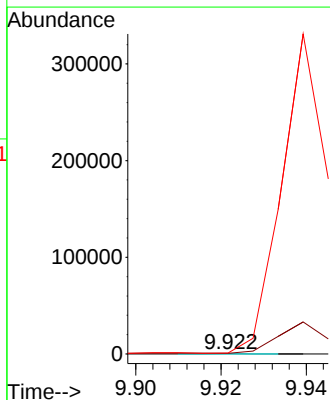
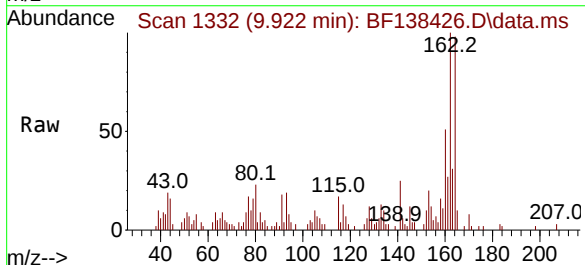
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

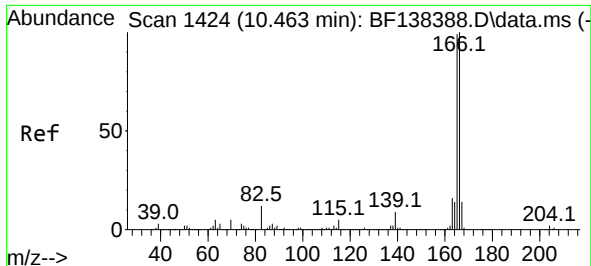
Tgt Ion:154 Resp: 248393
Ion Ratio Lower Upper
154 100
153 113.2 89.4 134.0
152 51.9 39.7 59.5



#54
2,4-Dinitrophenol
Concen: 8.960 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.047 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 415.9 67.3 100.9#
154 581.3 51.0 76.4#

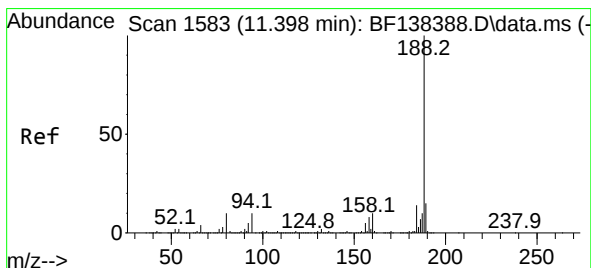
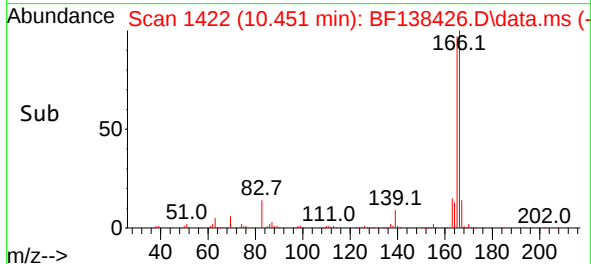
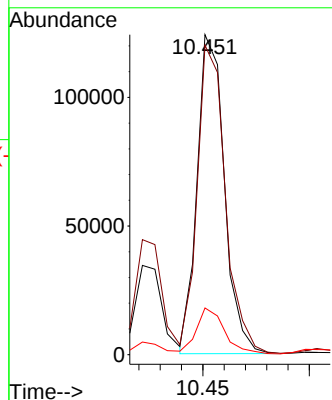
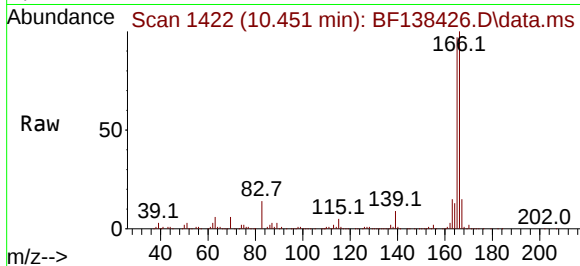




#58
 Fluorene
 Concen: 5.941 ng
 RT: 10.451 min Scan# 1422
 Delta R.T. -0.012 min
 Lab File: BF138426.D
 Acq: 02 Jul 2024 13:48

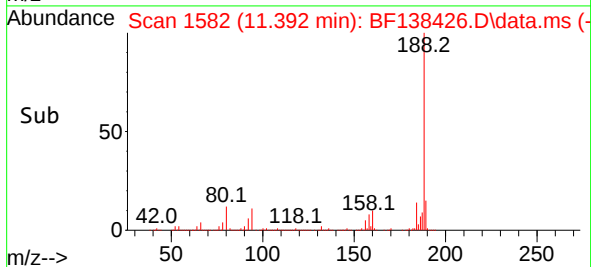
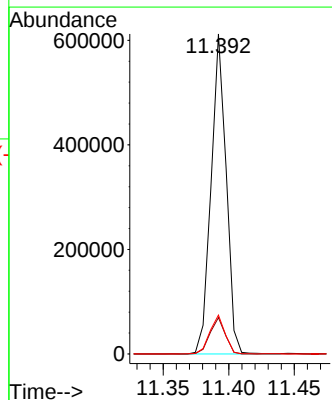
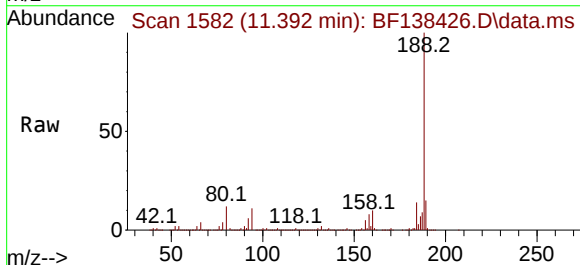
Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625DL

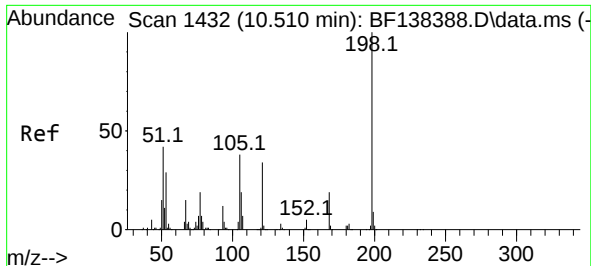
Tgt Ion:166 Resp: 110441
 Ion Ratio Lower Upper
 166 100
 165 96.7 79.0 118.6
 167 14.6 10.8 16.2



#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

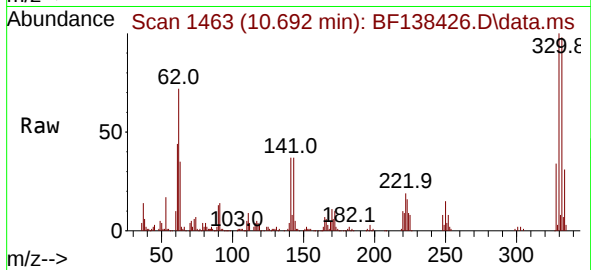
Tgt Ion:188 Resp: 491331
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.0 12.0
 80 12.2 8.2 12.4



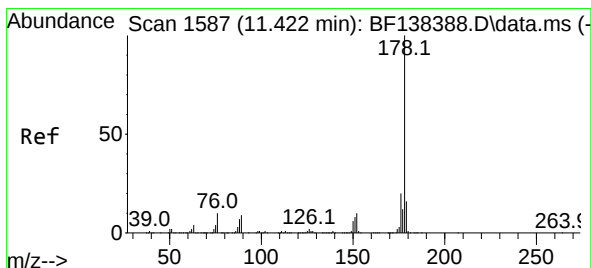
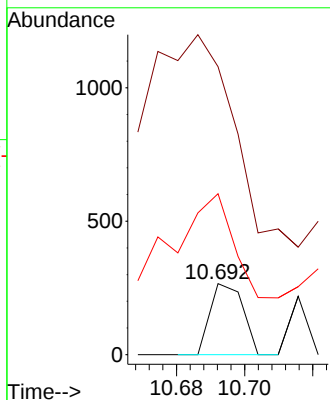
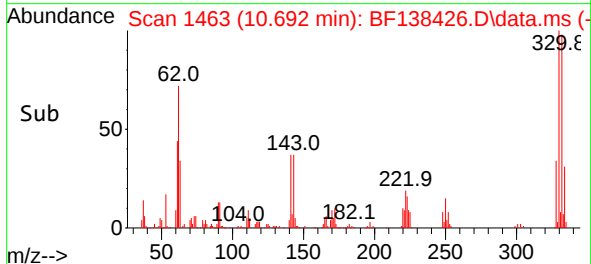


#65
4,6-Dinitro-2-methylphenol
Concen: 5.859 ng
RT: 10.692 min Scan# 1432
Delta R.T. 0.182 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

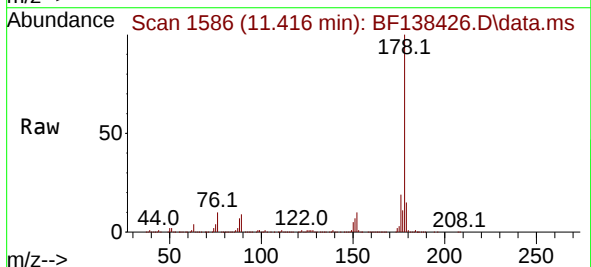
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL



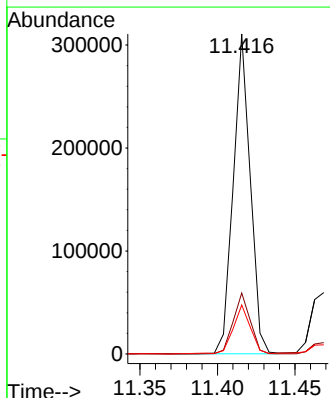
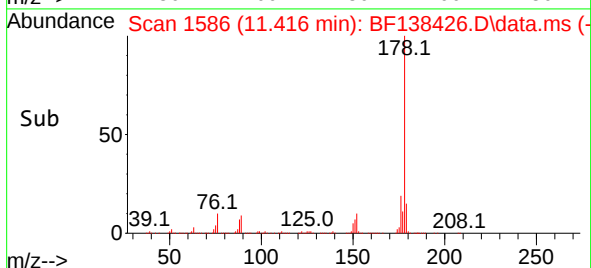
Tgt Ion:198 Resp: 177
Ion Ratio Lower Upper
198 100
51 405.6 27.9 67.9#
105 226.7 18.2 58.2#

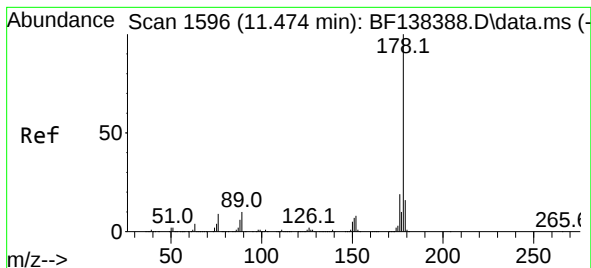


#71
Phenanthrene
Concen: 9.860 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48



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# 1

Delta R.T. -0.005 min

Lab File: BF138426.D

Acq: 02 Jul 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MW12-20240625DL

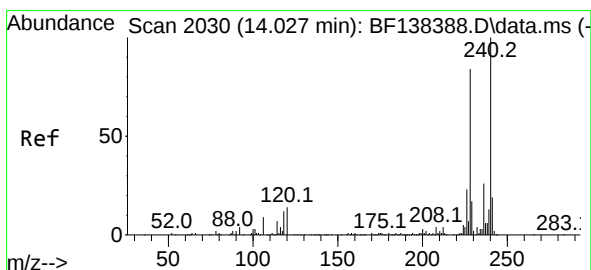
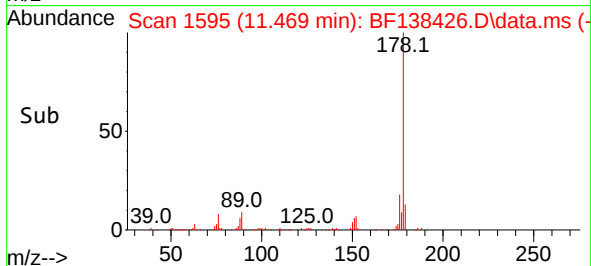
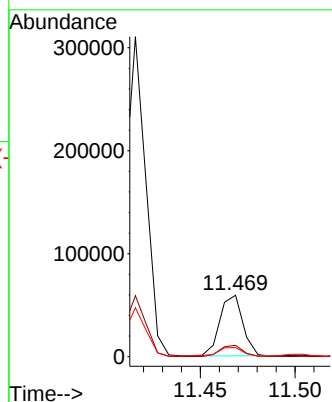
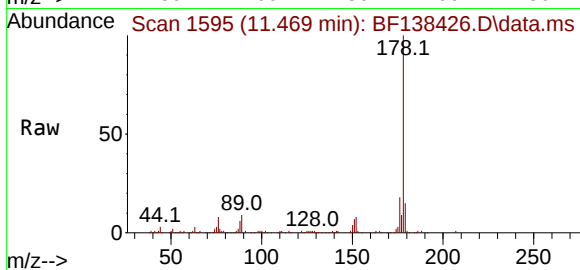
Tgt Ion:178 Resp: 50180

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

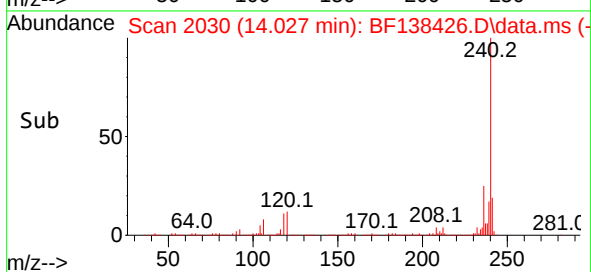
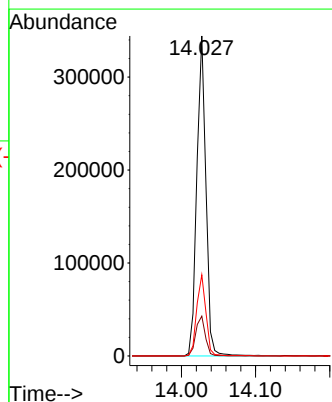
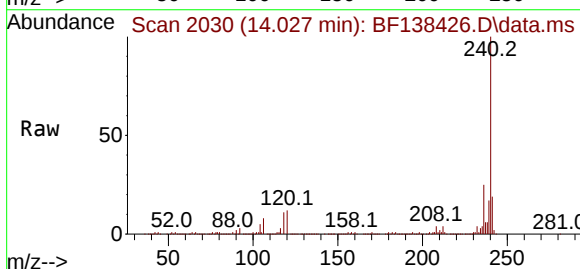
Tgt Ion:240 Resp: 293366

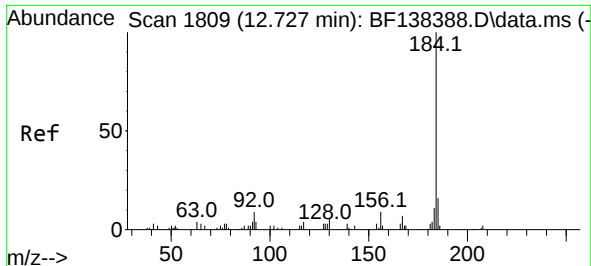
Ion Ratio Lower Upper

240 100

120 12.4 10.9 16.3

236 25.4 20.6 30.8

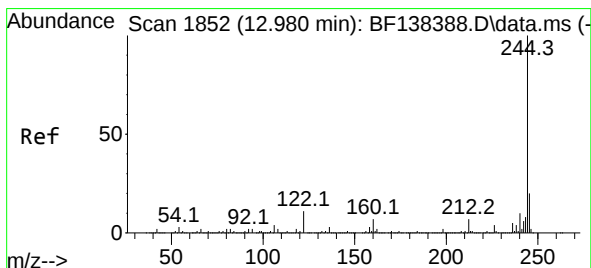
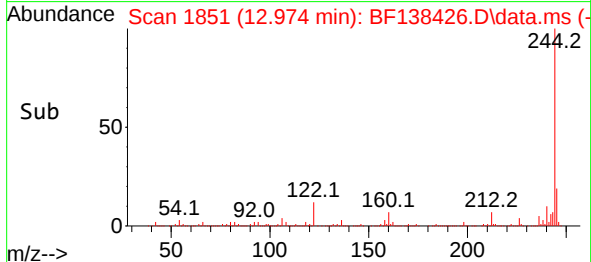
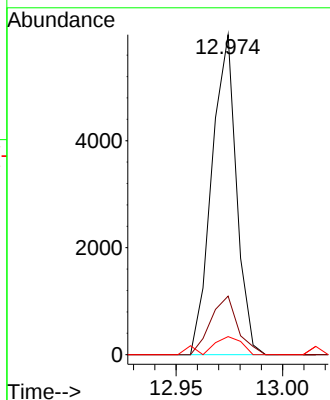
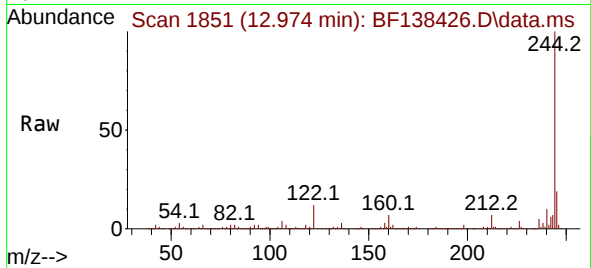




#77
Benzidine
Concen: 2.053 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138426.D
Acq: 02 Jul 2024 13:48

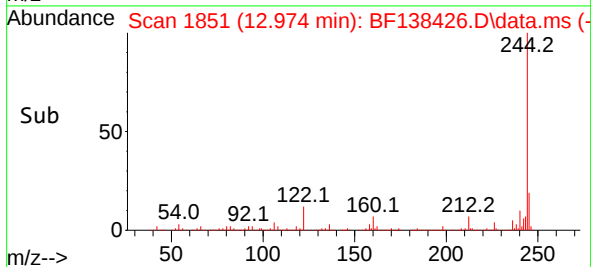
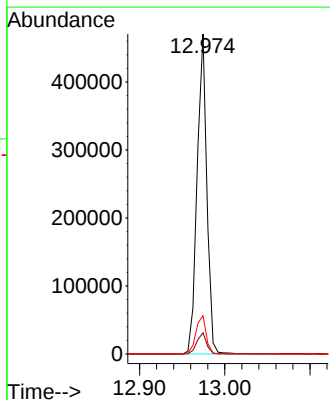
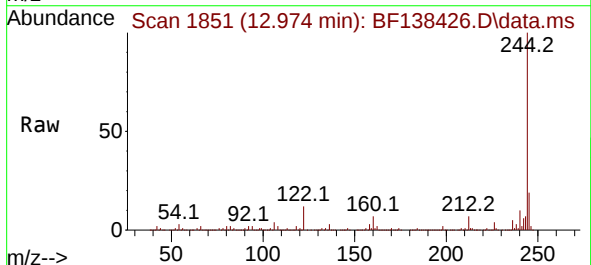
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL

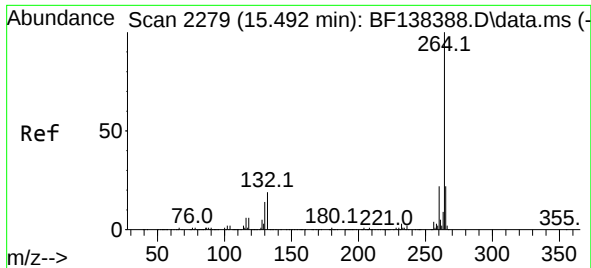
Tgt Ion:184 Resp: 4816
Ion Ratio Lower Upper
184 100
185 18.3 13.0 19.4
183 5.7 9.0 13.6#



#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

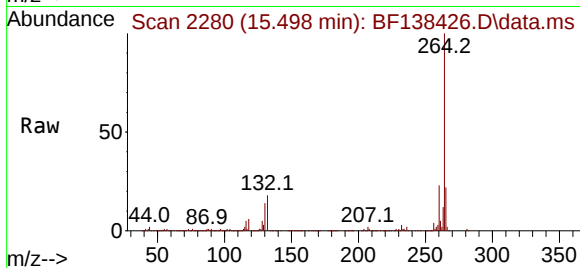
Tgt Ion:244 Resp: 374515
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 12.0 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF138426.D
 Acq: 02 Jul 2024 13:48

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625DL



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

