

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060324\
 Data File : BF138108.D
 Acq On : 03 Jun 2024 15:56
 Operator : CG\JU
 Sample : P2660-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-08

Quant Time: Jun 03 16:28:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF053124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 01 01:21:05 2024
 Response via : Initial Calibration

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

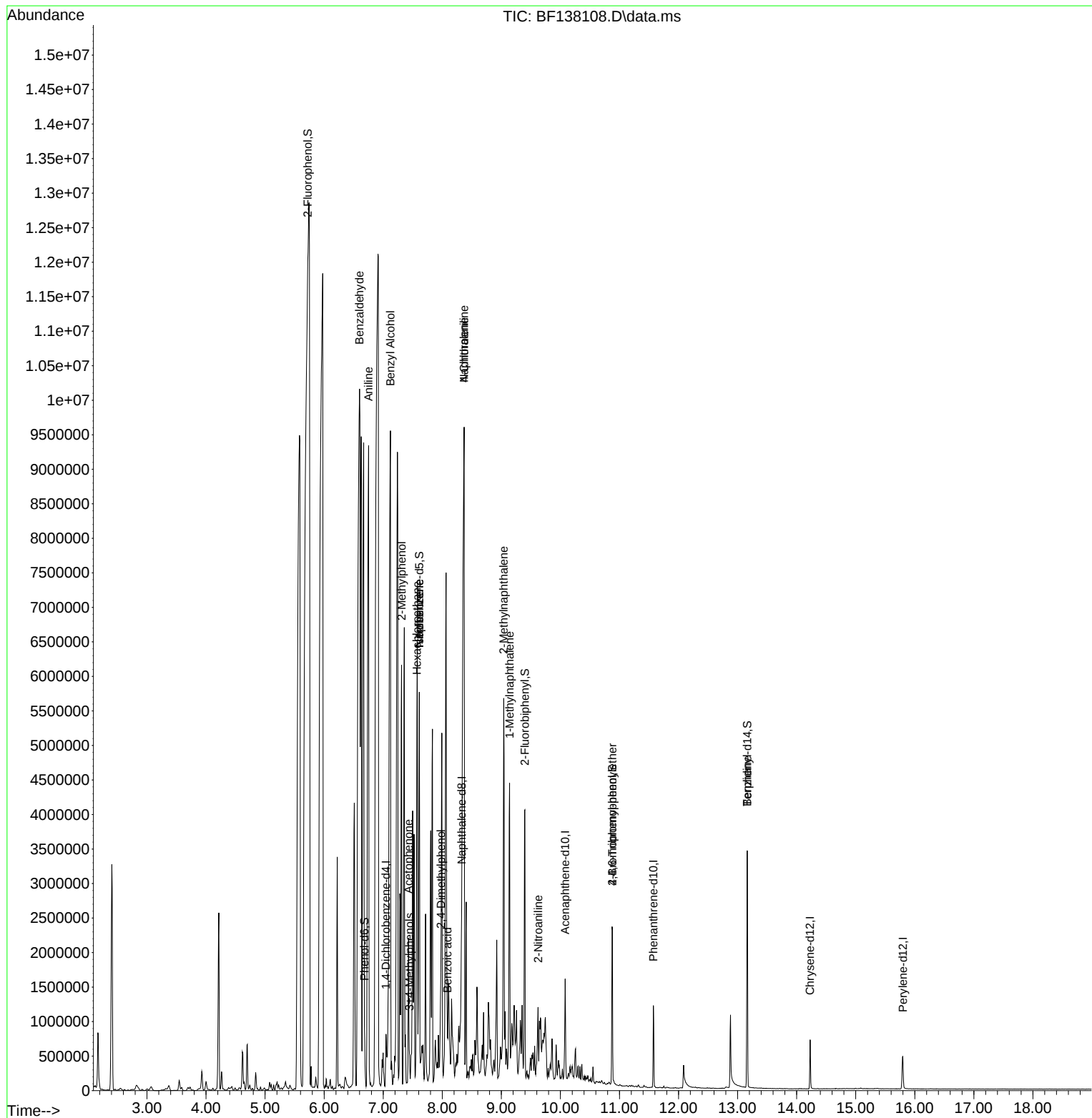
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.045	152	125310	20.000	ng	0.01
21) Naphthalene-d8	8.328	136	421978	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	274622	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	438576	20.000	ng	0.00
76) Chrysene-d12	14.227	240	226193	20.000	ng	#-0.01
86) Perylene-d12	15.798	264	258116	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.722	112	130625	18.635	ng	0.06
7) Phenol-d6	6.681	99	303178	33.587	ng	0.02
23) Nitrobenzene-d5	7.610	82	552493	76.293	ng	0.00
42) 2,4,6-Tribromophenol	10.881	330	353579	110.379	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1348551	72.790	ng	0.00
79) Terphenyl-d14	13.163	244	1221259	78.099	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.751	93	29018	9.422	ng	# 1
9) Benzaldehyde	6.598	77	1271888	316.964	ng	# 1
15) Benzyl Alcohol	7.122	79	567932	129.855	ng	# 11
17) 2-Methylphenol	7.310	107	23898	3.702	ng	# 1
18) Hexachloroethane	7.569	117	554238	173.691	ng	# 1
20) 3+4-Methylphenols	7.445	107	64794	7.985	ng	# 55
22) Acetophenone	7.428	105	822256	86.489	ng	# 58
24) Nitrobenzene	7.610	77	71599	9.934	ng	# 7
25) Isophorone	7.610	82	543634	43.512	ng	# 62
27) 2,4-Dimethylphenol	7.975	122	293816	63.715	ng	98
31) Naphthalene	8.369	128	8246540	379.822	ng	95
32) Benzoic acid	8.087	122	117407	34.802	ng	# 50
33) 4-Chloroaniline	8.369	127	1228103	167.609	ng	# 38
37) 2-Methylnaphthalene	9.039	142	1752936	122.712	ng	98
38) 1-Methylnaphthalene	9.139	142	930819	66.958	ng	98
48) 2-Nitroaniline	9.622	65	17321	4.366	ng	# 24
67) 4-Bromophenyl-phenylether	10.881	248	23187	4.510	ng	# 1
77) Benzidine	13.163	184	14871	7.410	ng	# 89

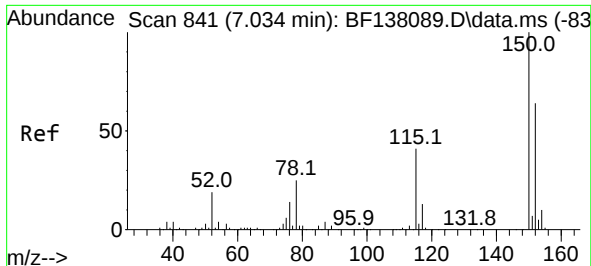
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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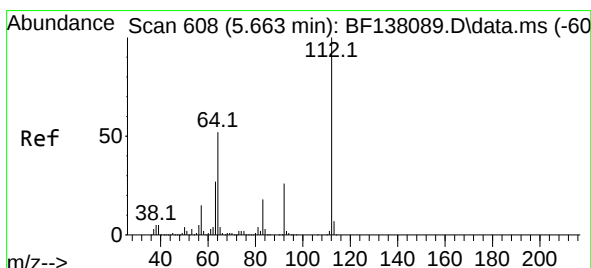
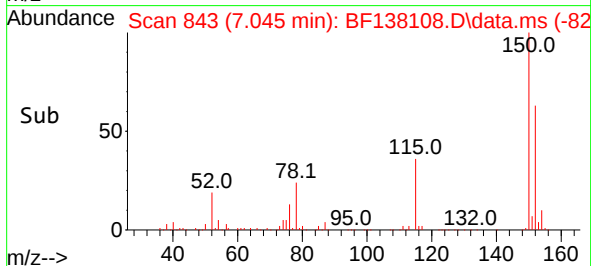
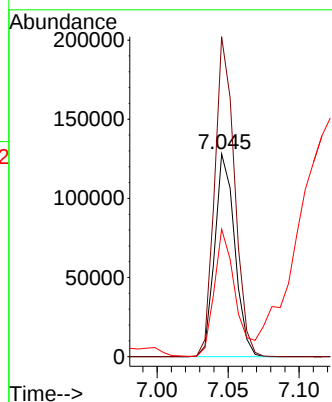
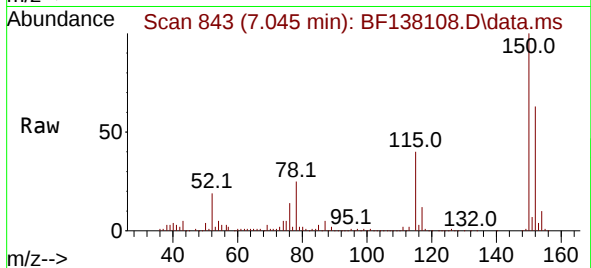




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.045 min Scan# 841
Delta R.T. 0.011 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

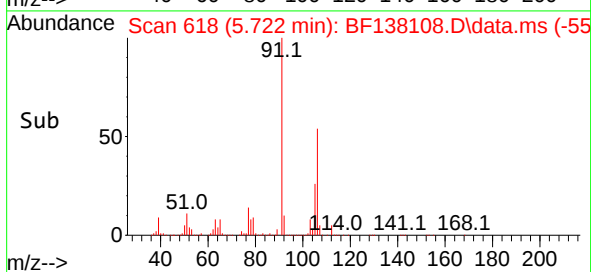
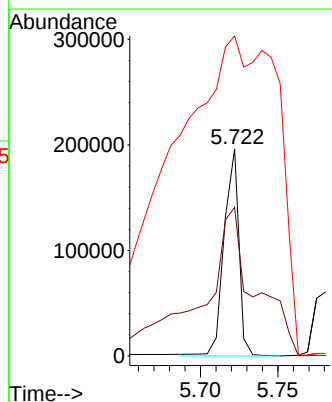
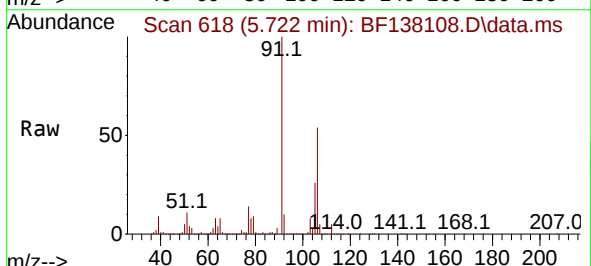
Instrument :
BNA_F
ClientSampleId :
MW-08

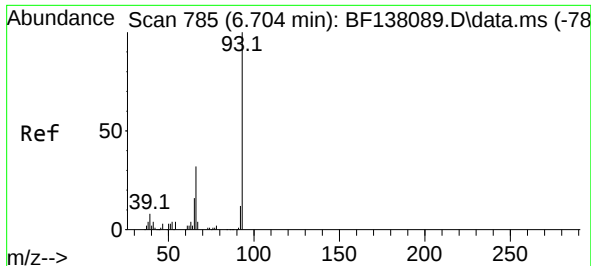
Tgt Ion:152 Resp: 125310
Ion Ratio Lower Upper
152 100
150 157.8 125.4 188.0
115 62.9 51.6 77.4



#5
2-Fluorophenol
Concen: 18.635 ng
RT: 5.722 min Scan# 618
Delta R.T. 0.059 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion:112 Resp: 130625
Ion Ratio Lower Upper
112 100
64 71.8 41.4 62.2#
63 154.5 21.5 32.3#





#6

Aniline

Concen: 9.422 ng

RT: 6.751 min Scan# 793

Delta R.T. 0.047 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Instrument :

BNA_F

ClientSampleId :

MW-08

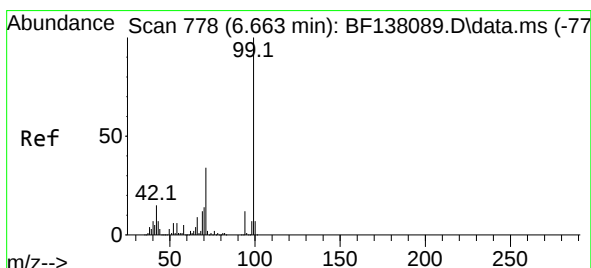
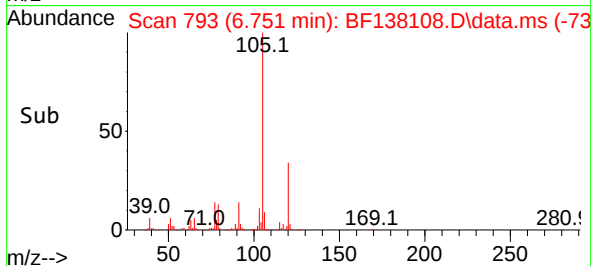
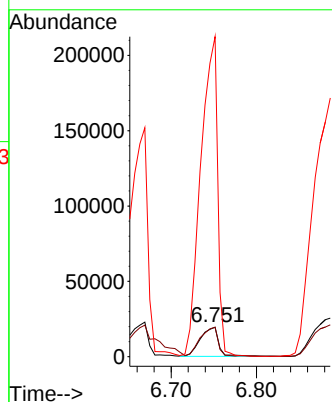
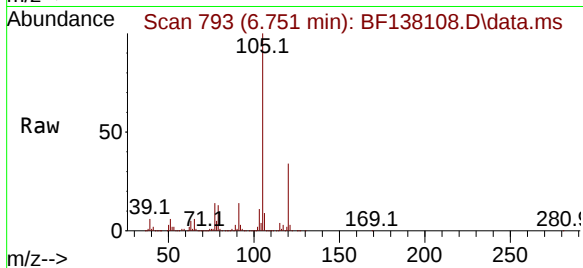
Tgt Ion: 93 Resp: 29018

Ion Ratio Lower Upper

93 100

66 100.1 30.4 45.6#

65 1086.9 16.2 24.4#



#7

Phenol-d6

Concen: 33.587 ng

RT: 6.681 min Scan# 781

Delta R.T. 0.018 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

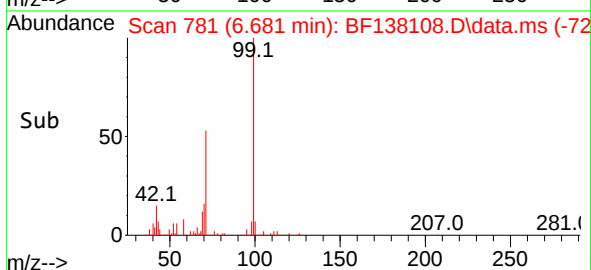
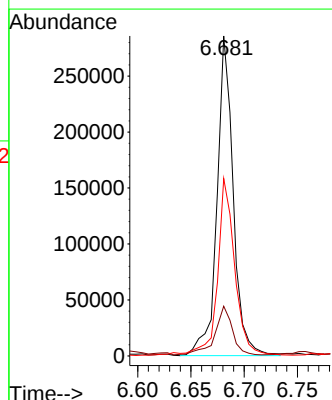
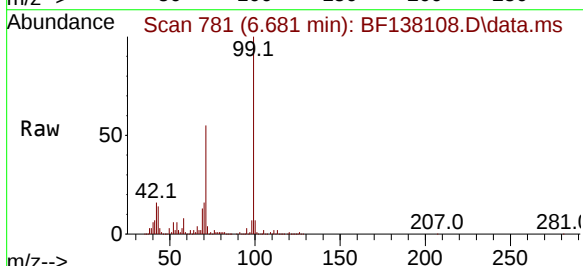
Tgt Ion: 99 Resp: 303178

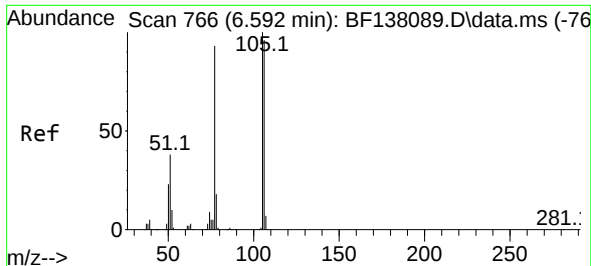
Ion Ratio Lower Upper

99 100

42 15.6 11.9 17.9

71 55.4 26.8 40.2#

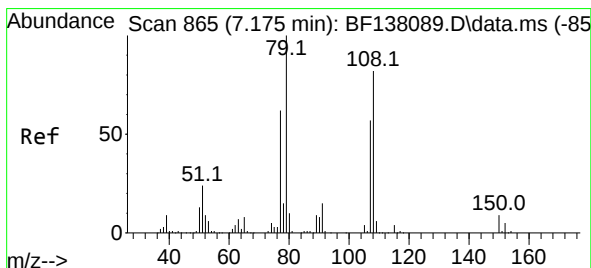
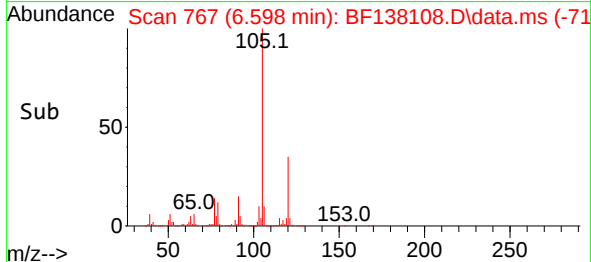
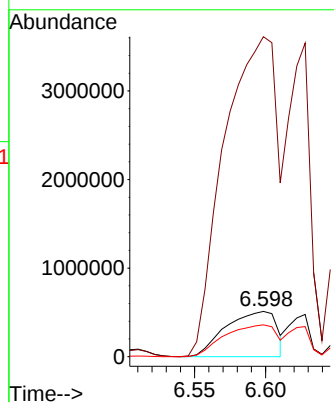
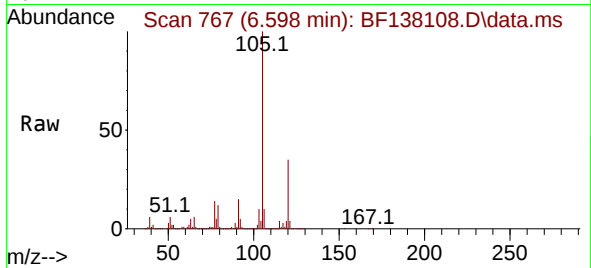




#9
Benzaldehyde
Concen: 316.964 ng
RT: 6.598 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

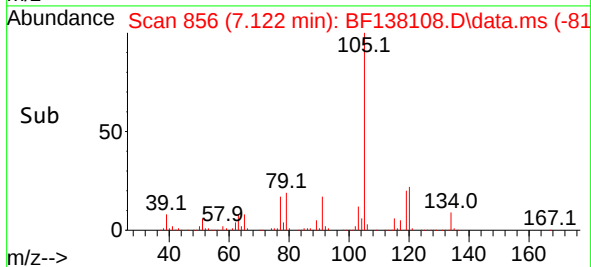
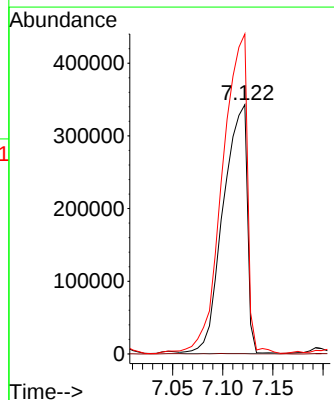
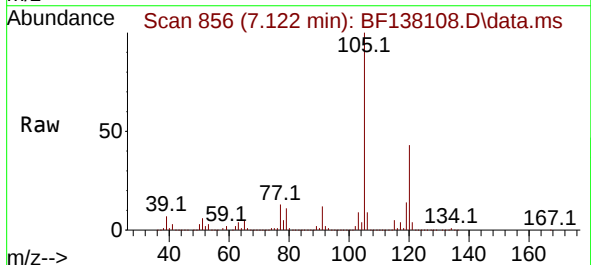
Instrument :
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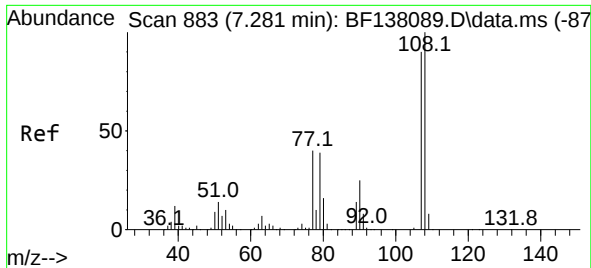
Tgt Ion: 77 Resp: 1271888
Ion Ratio Lower Upper
77 100
105 706.4 88.0 128.0#
106 70.2 83.7 123.7#



#15
Benzyl Alcohol
Concen: 129.855 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.053 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion: 79 Resp: 567932
Ion Ratio Lower Upper
79 100
108 0.1 65.5 98.3#
77 128.3 49.6 74.4#

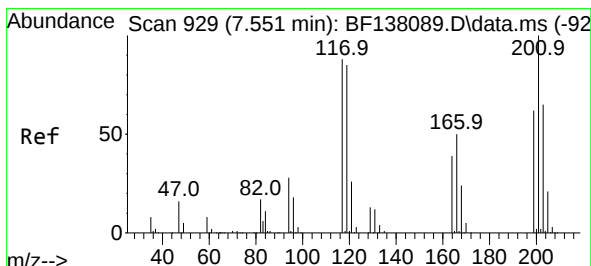
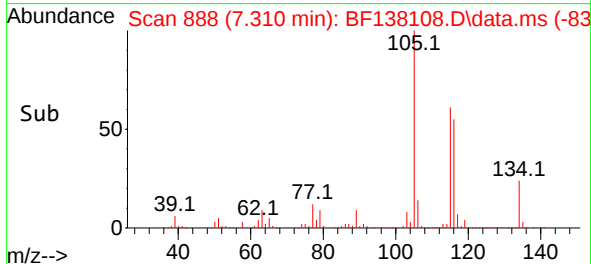
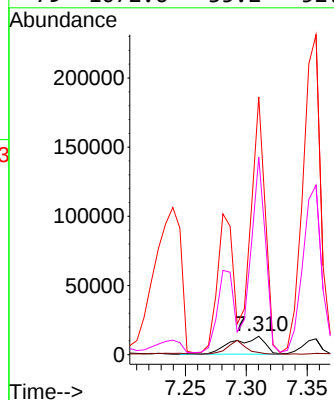
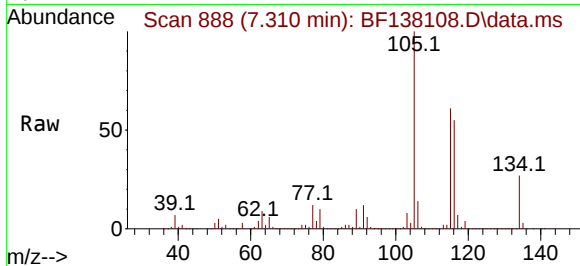




#17
2-Methylphenol
Concen: 3.702 ng
RT: 7.310 min Scan# 81
Delta R.T. 0.030 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

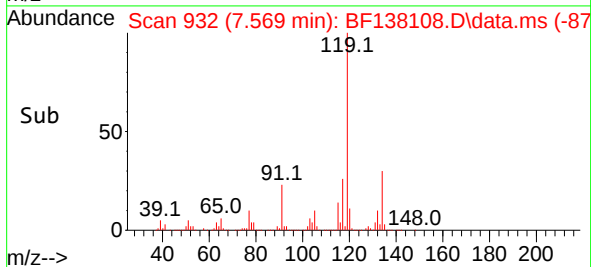
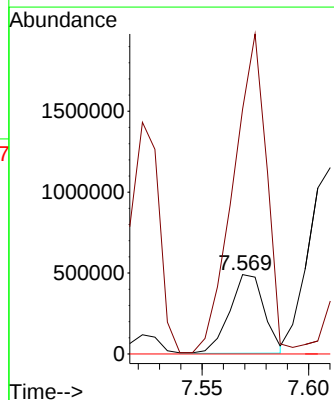
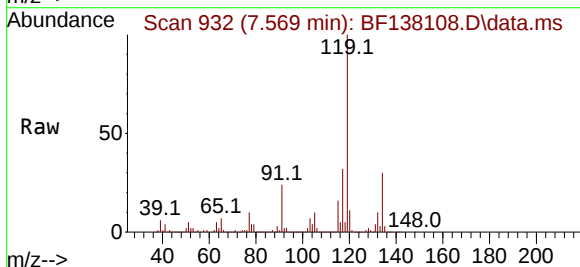
Instrument :
BNA_F
ClientSampleId :
MW-08

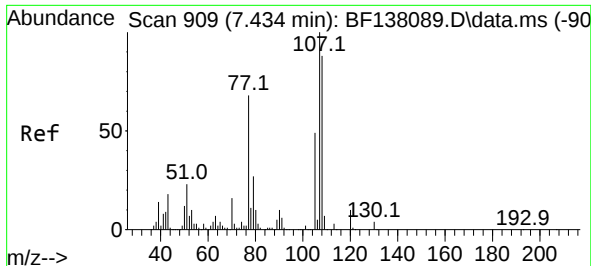
Tgt Ion:107 Resp: 23898
Ion Ratio Lower Upper
107 100
108 11.8 89.0 133.6#
77 1398.9 35.6 53.4#
79 1072.6 35.2 52.8#



#18
Hexachloroethane
Concen: 173.691 ng
RT: 7.569 min Scan# 932
Delta R.T. 0.018 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion:117 Resp: 554238
Ion Ratio Lower Upper
117 100
119 308.6 77.3 115.9#
201 0.0 90.8 136.2#

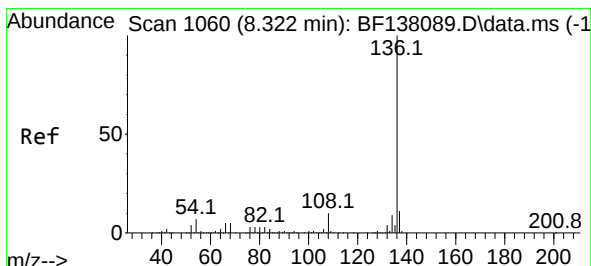
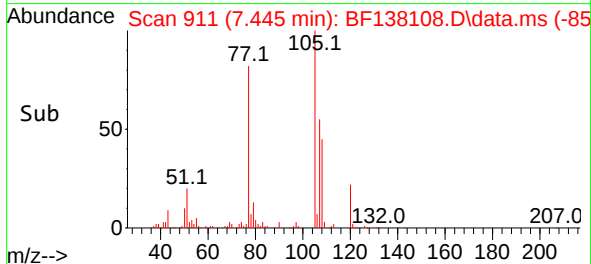
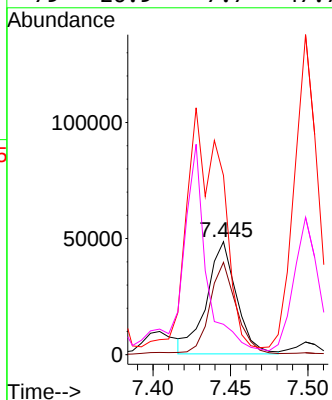
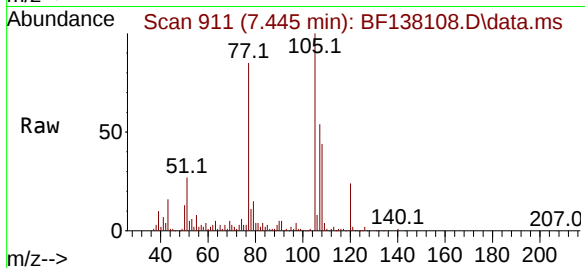




#20
3+4-Methylphenols
Concen: 7.985 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

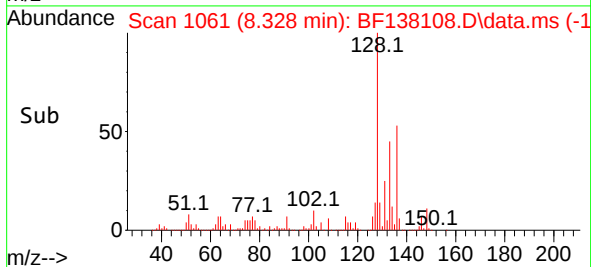
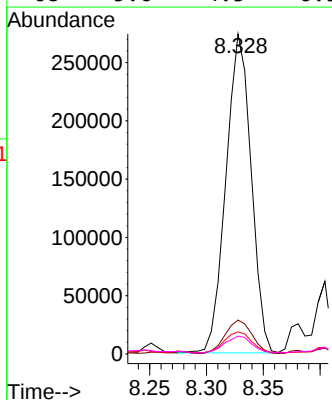
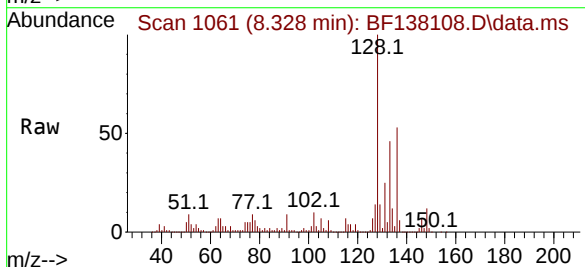
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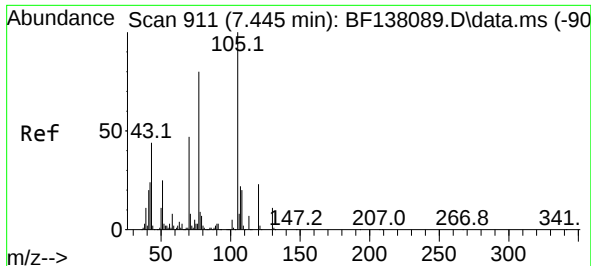
Tgt Ion:107	Resp:	64794
Ion	Ratio	Lower Upper
107	100	
108	81.7	68.2 108.2
77	158.5	48.4 88.4#
79	26.9	7.7 47.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.328 min Scan# 1061
Delta R.T. 0.006 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion:136	Resp:	421978
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.7 13.1
54	6.9	5.4 8.0
68	5.6	4.3 6.5

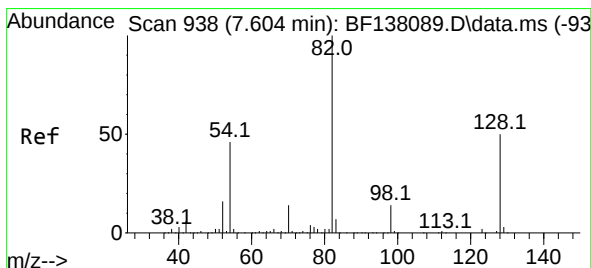
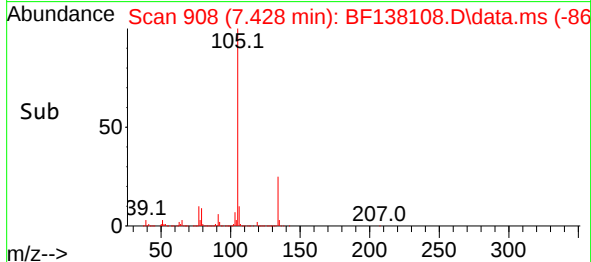
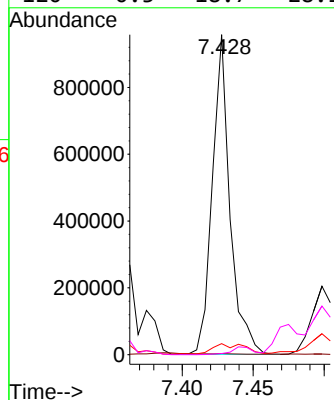
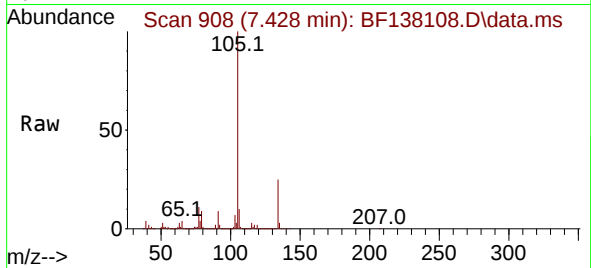




#22
Acetophenone
Concen: 86.489 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.017 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

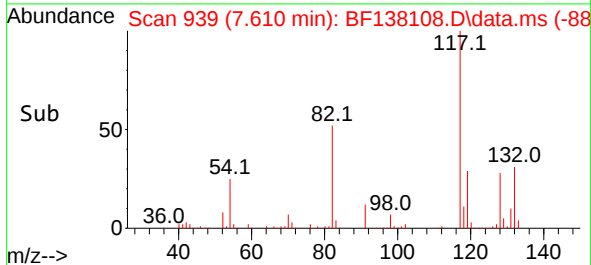
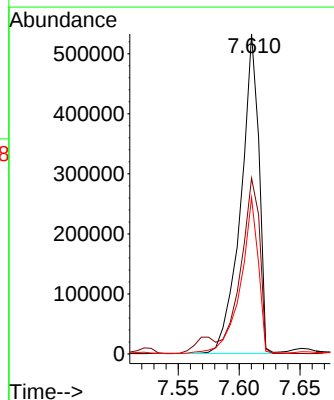
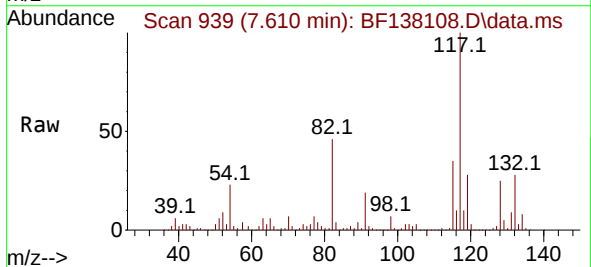
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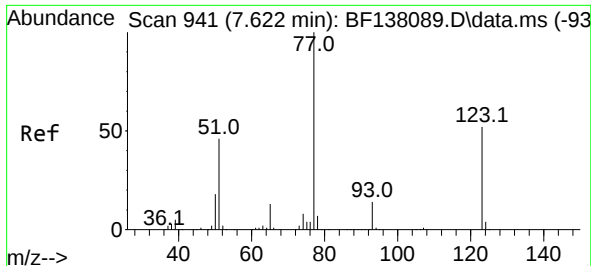
Tgt Ion:105 Resp: 822256
Ion Ratio Lower Upper
105 100
71 0.3 6.2 9.4#
51 3.5 20.0 30.0#
120 0.3 18.7 28.1#



#23
Nitrobenzene-d5
Concen: 76.293 ng
RT: 7.610 min Scan# 939
Delta R.T. 0.006 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion: 82 Resp: 552493
Ion Ratio Lower Upper
82 100
128 55.0 39.9 59.9
54 48.9 37.0 55.4

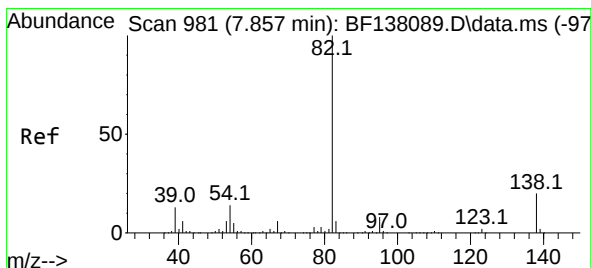
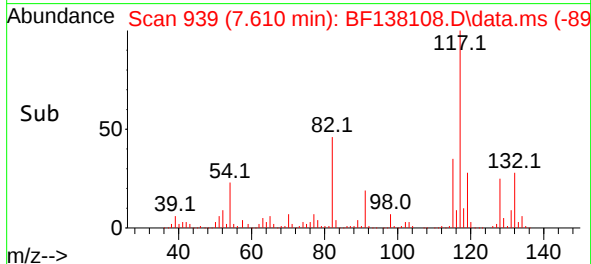
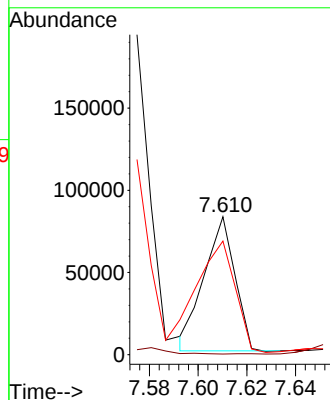
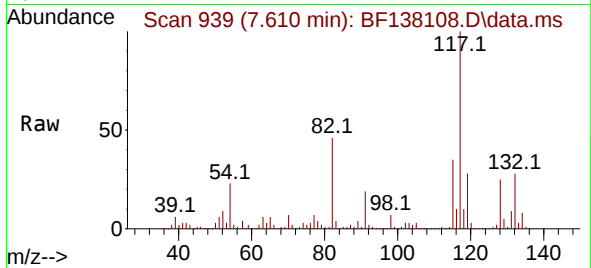




#24
Nitrobenzene
Concen: 9.934 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

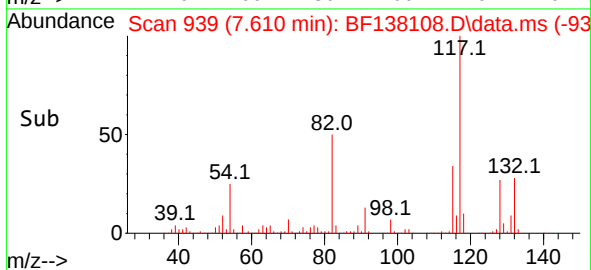
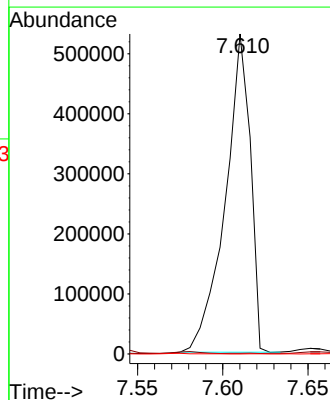
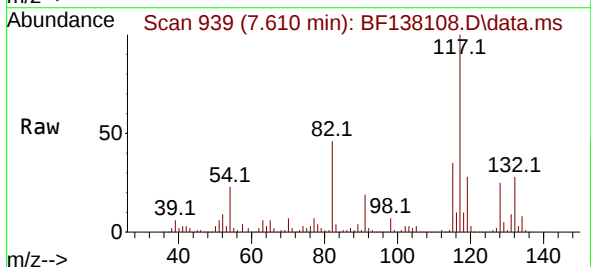
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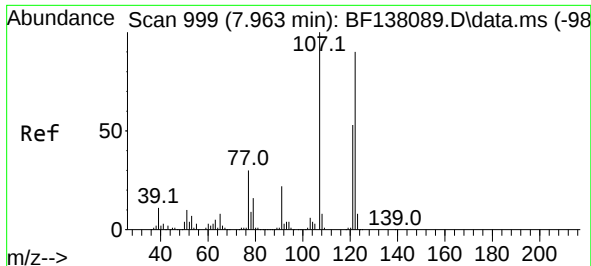
Tgt Ion: 77 Resp: 71599
Ion Ratio Lower Upper
77 100
123 0.5 41.4 62.0#
65 82.4 10.6 15.8#



#25
Isophorone
Concen: 43.512 ng
RT: 7.610 min Scan# 939
Delta R.T. -0.247 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion: 82 Resp: 543634
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 16.2 24.2#

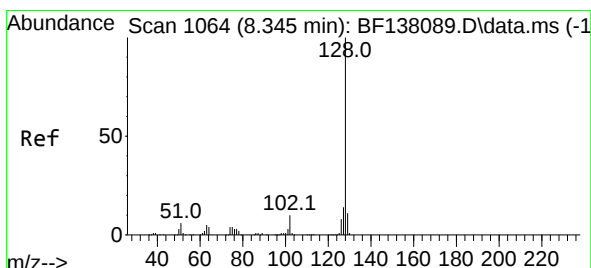
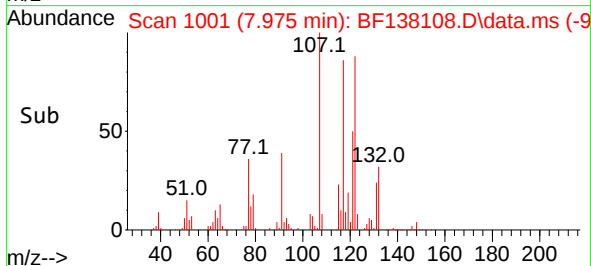
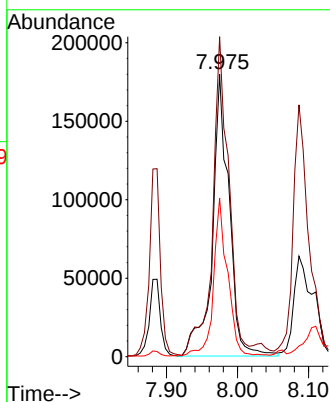
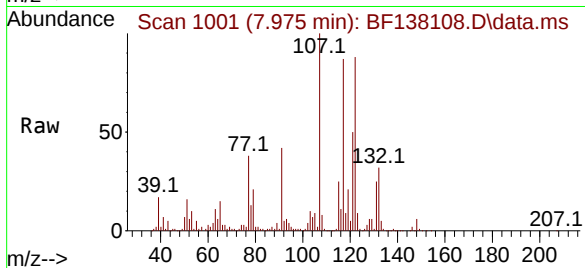




#27
2,4-Dimethylphenol
Concen: 63.715 ng
RT: 7.975 min Scan# 1001
Delta R.T. 0.012 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

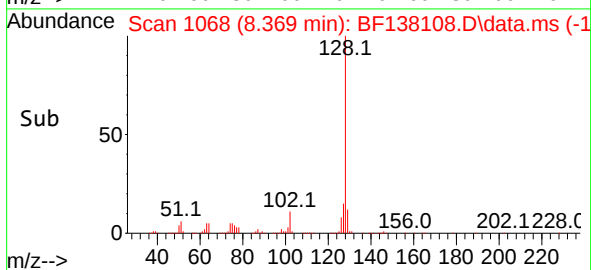
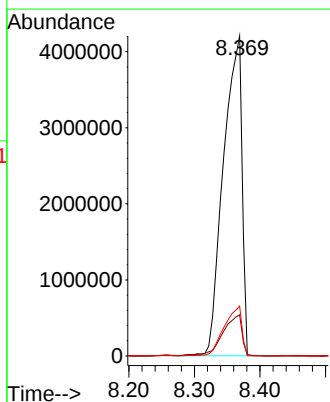
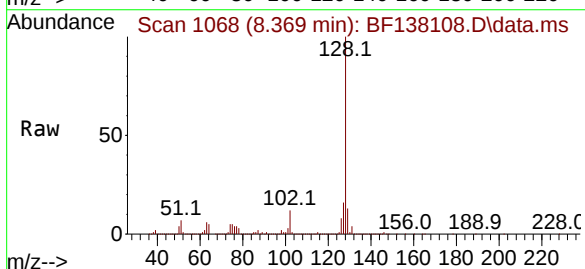
Instrument :
BNA_F
ClientSampleId :
MW-08

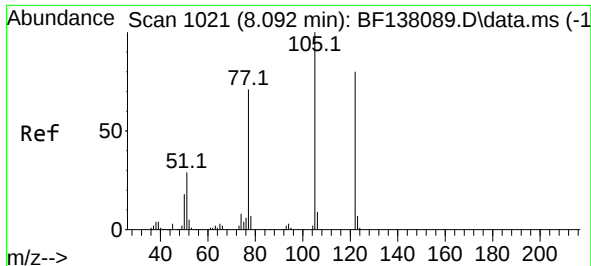
Tgt Ion:122 Resp: 293816
Ion Ratio Lower Upper
122 100
107 113.3 88.8 133.2
121 56.2 46.6 69.8



#31
Naphthalene
Concen: 379.822 ng
RT: 8.369 min Scan# 1068
Delta R.T. 0.024 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion:128 Resp: 8246540
Ion Ratio Lower Upper
128 100
129 12.9 8.8 13.2
127 15.6 10.8 16.2

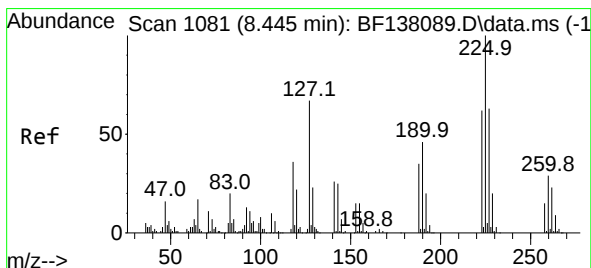
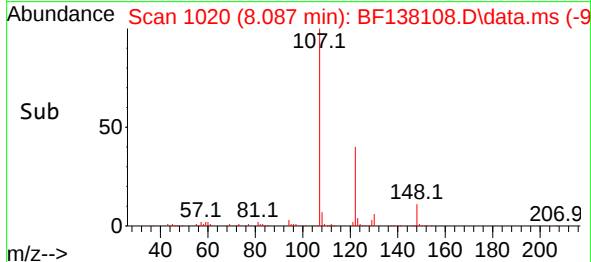
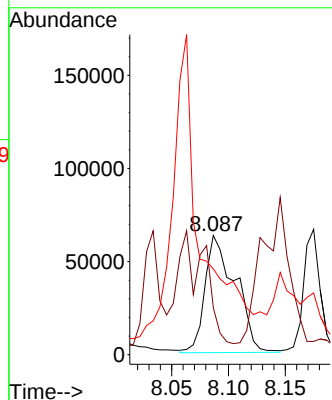
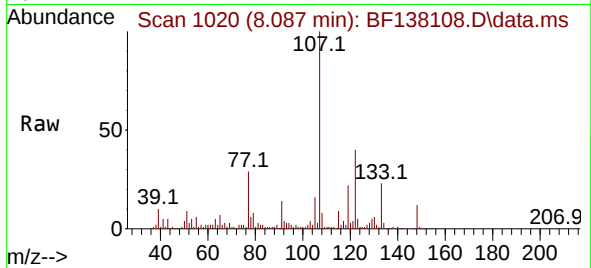




#32
Benzoic acid
Concen: 34.802 ng
RT: 8.087 min Scan# 1021
Delta R.T. -0.005 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

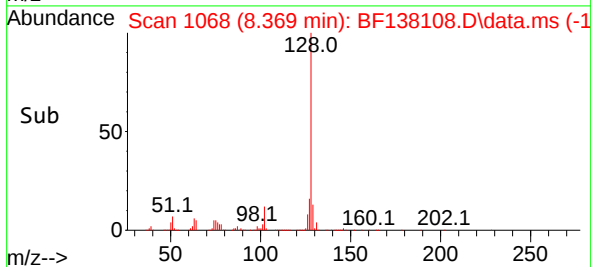
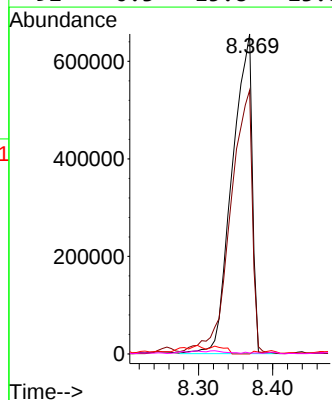
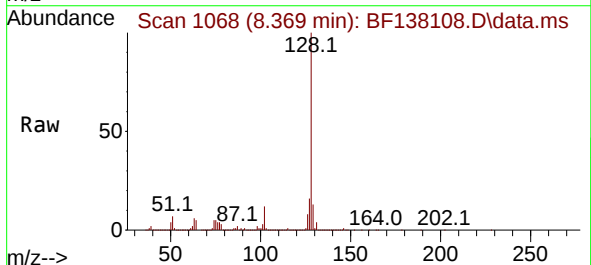
Instrument :
BNA_F
ClientSampleId :
MW-08

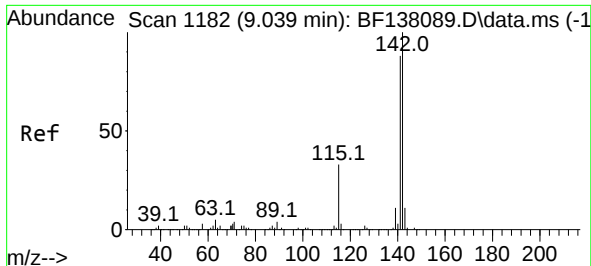
Tgt Ion:122 Resp: 117407
Ion Ratio Lower Upper
122 100
105 39.5 102.3 142.3#
77 71.9 67.6 107.6



#33
4-Chloroaniline
Concen: 167.609 ng
RT: 8.369 min Scan# 1068
Delta R.T. -0.076 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion:127 Resp: 1228103
Ion Ratio Lower Upper
127 100
129 82.4 28.0 42.0#
65 0.0 20.6 30.8#
92 0.3 15.8 23.8#





#37

2-Methylnaphthalene

Concen: 122.712 ng

RT: 9.039 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Instrument :

BNA_F

ClientSampleId :

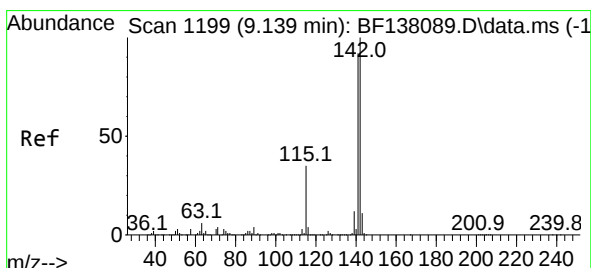
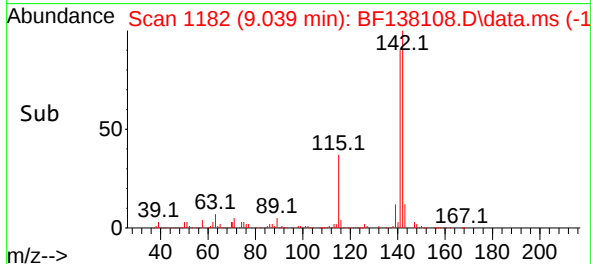
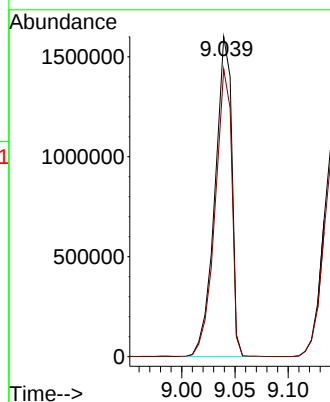
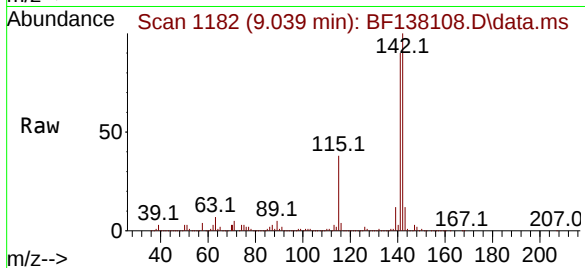
MW-08

Tgt Ion:142 Resp: 1752936

Ion Ratio Lower Upper

142 100

141 89.9 70.2 105.2



#38

1-Methylnaphthalene

Concen: 66.958 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF138108.D

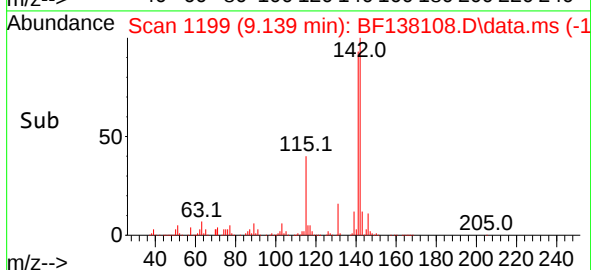
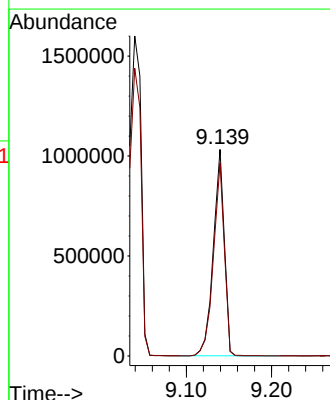
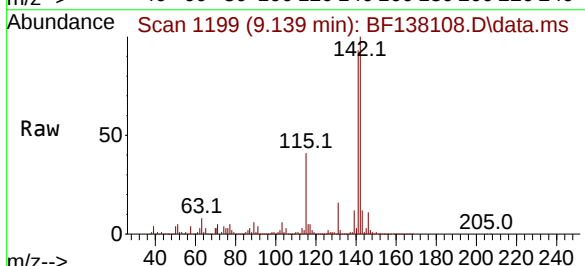
Acq: 03 Jun 2024 15:56

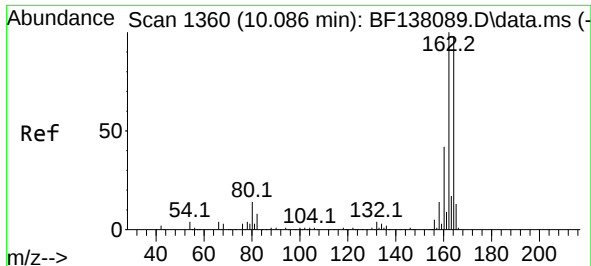
Tgt Ion:142 Resp: 930819

Ion Ratio Lower Upper

142 100

141 93.4 73.4 110.2

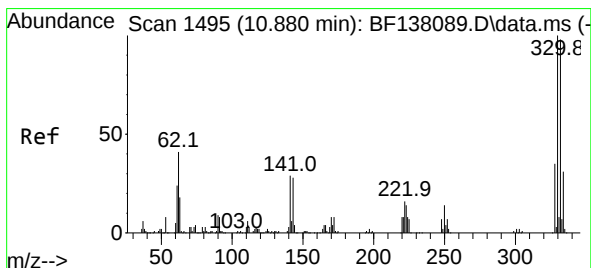
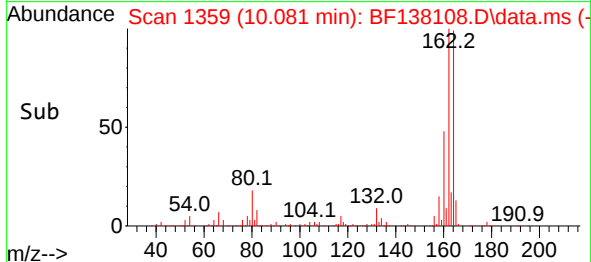
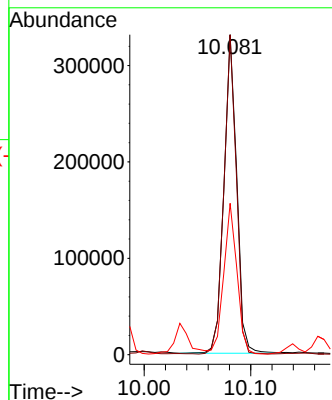
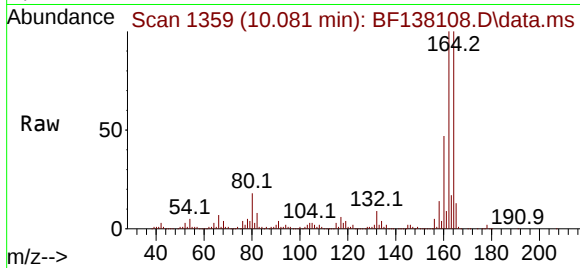




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

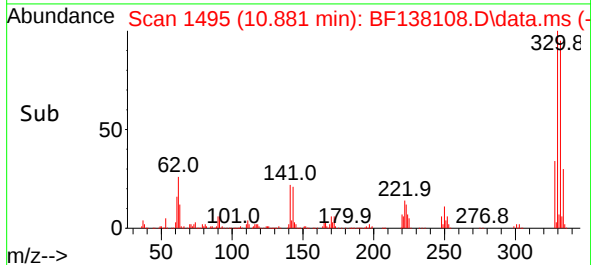
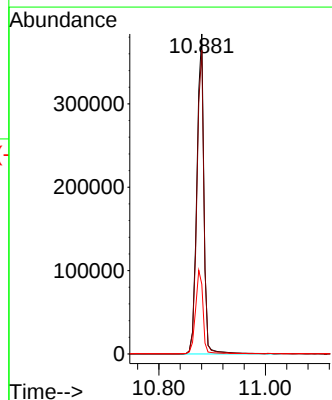
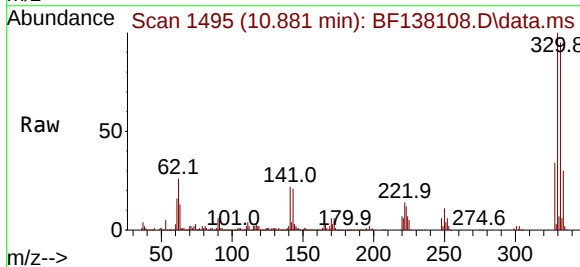
Instrument :
BNA_F
ClientSampleId :
MW-08

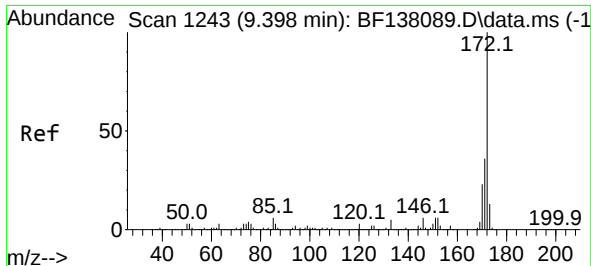
Tgt Ion:164 Resp: 274622
Ion Ratio Lower Upper
164 100
162 100.0 81.7 122.5
160 47.3 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 110.379 ng
RT: 10.881 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF138108.D
Acq: 03 Jun 2024 15:56

Tgt Ion:330 Resp: 353579
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 27.5 21.4 32.0





#45

2-Fluorobiphenyl

Concen: 72.790 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Instrument :

BNA_F

ClientSampleId :

MW-08

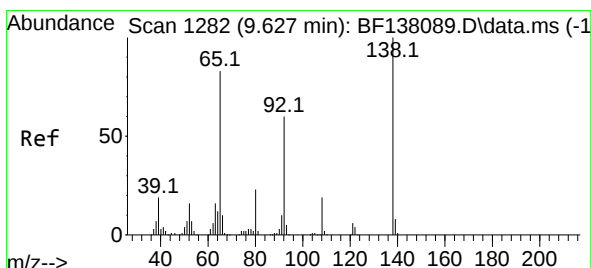
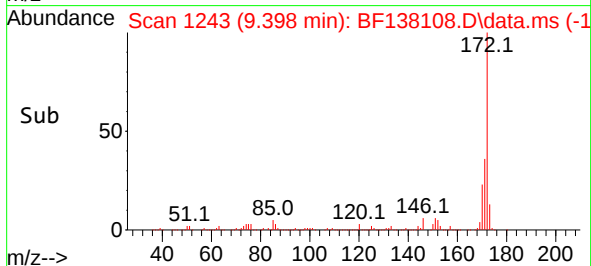
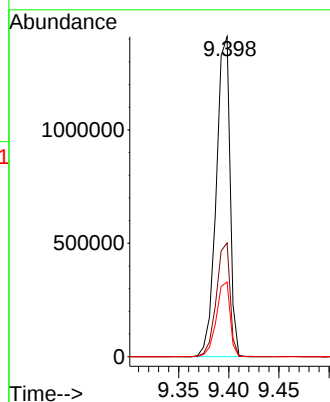
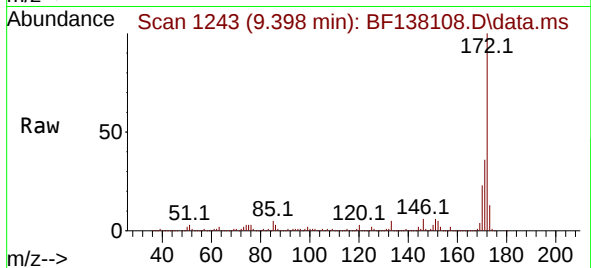
Tgt Ion:172 Resp: 1348551

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

170 23.4 18.6 28.0



#48

2-Nitroaniline

Concen: 4.366 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

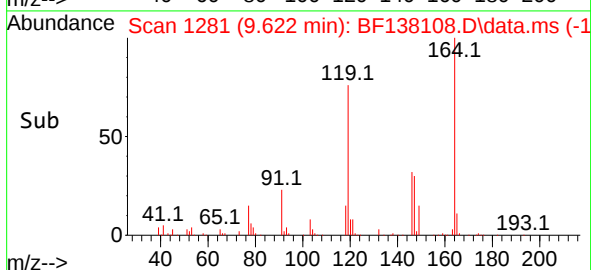
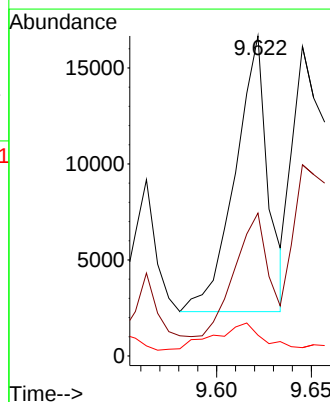
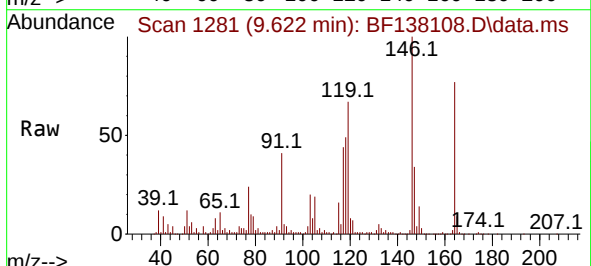
Tgt Ion: 65 Resp: 17321

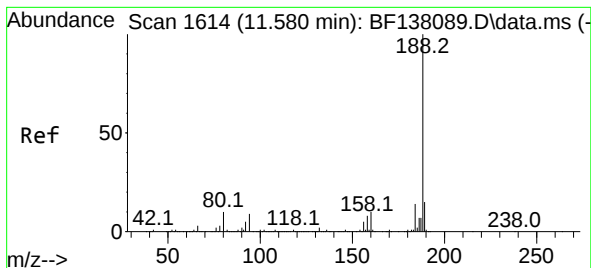
Ion Ratio Lower Upper

65 100

92 44.7 57.8 86.6#

138 6.5 95.9 143.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Instrument :

BNA_F

ClientSampleId :

MW-08

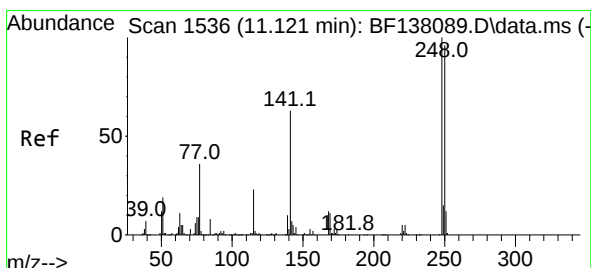
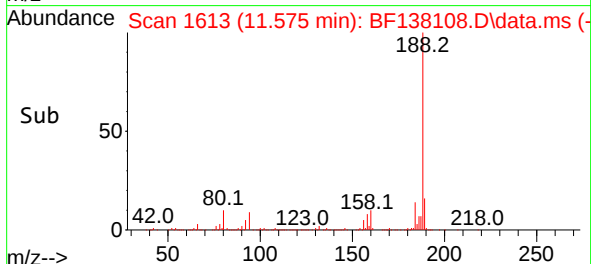
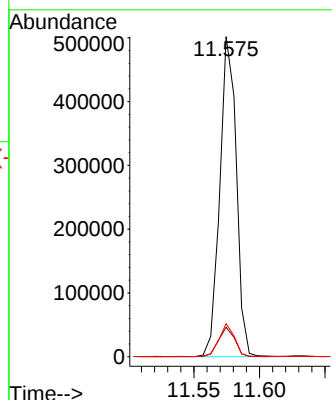
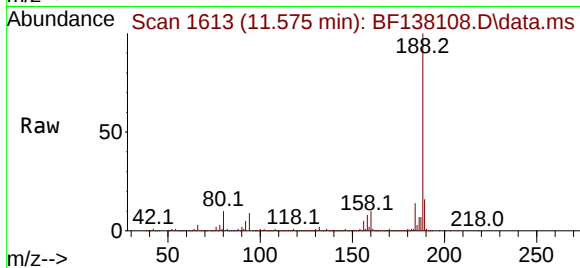
Tgt Ion:188 Resp: 438576

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.0

80 10.3 7.8 11.8



#67

4-Bromophenyl-phenylether

Concen: 4.510 ng

RT: 10.881 min Scan# 1495

Delta R.T. -0.241 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

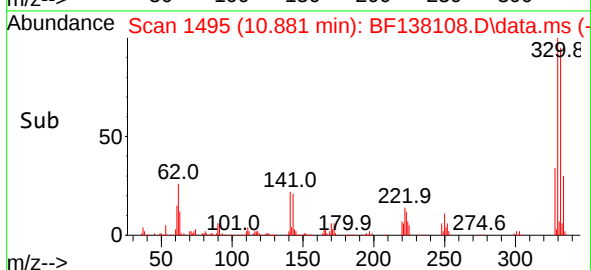
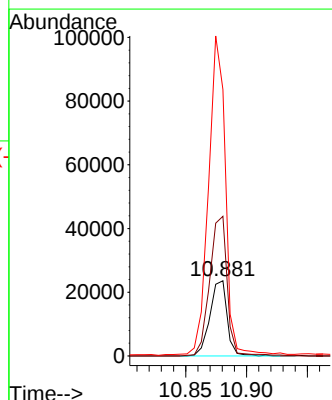
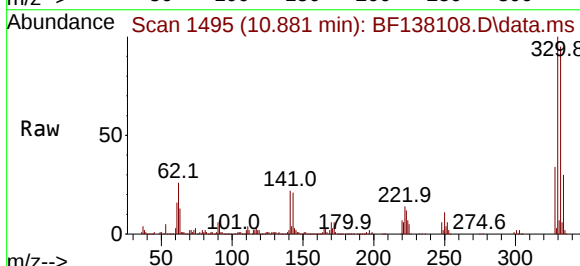
Tgt Ion:248 Resp: 23187

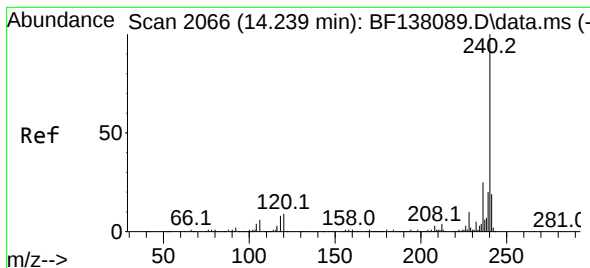
Ion Ratio Lower Upper

248 100

250 185.8 77.2 115.8#

141 354.3 50.6 76.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. -0.012 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Instrument :

BNA_F

ClientSampleId :

MW-08

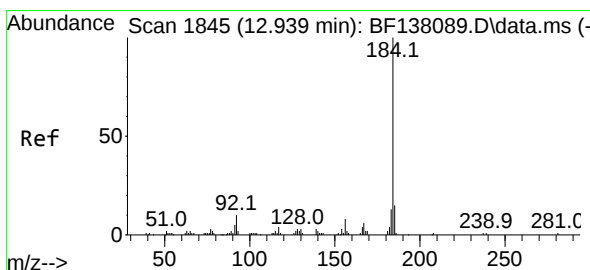
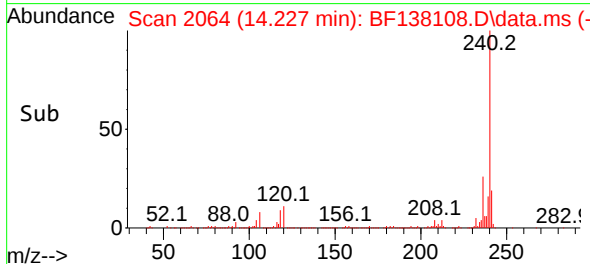
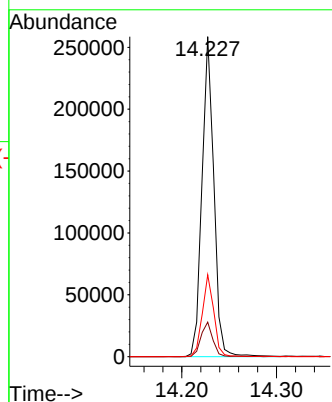
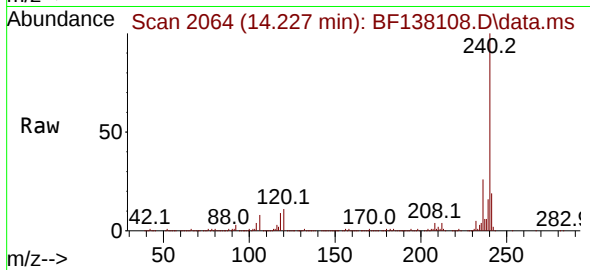
Tgt Ion:240 Resp: 226193

Ion Ratio Lower Upper

240 100

120 10.8 7.1 10.7#

236 25.6 20.4 30.6



#77

Benzidine

Concen: 7.410 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.224 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

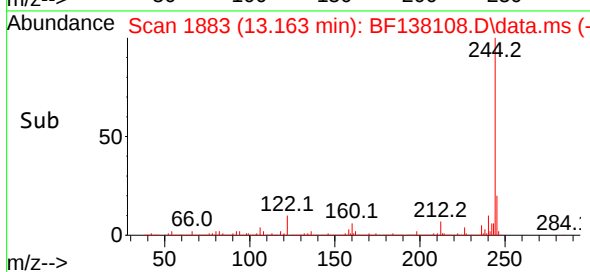
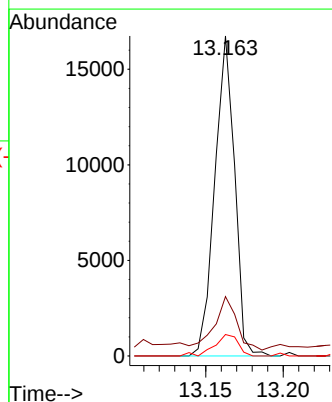
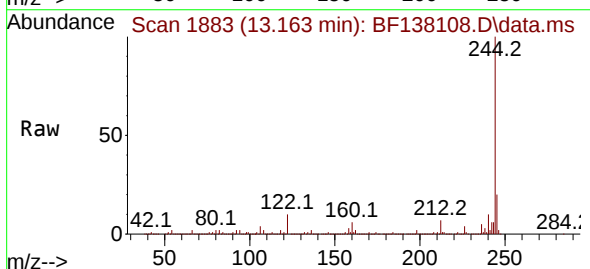
Tgt Ion:184 Resp: 14871

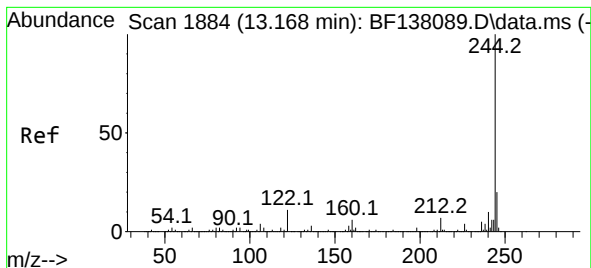
Ion Ratio Lower Upper

184 100

185 18.5 12.2 18.2#

183 6.7 10.2 15.4#





#79

Terphenyl-d14

Concen: 78.099 ng

RT: 13.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Instrument :

BNA_F

ClientSampleId :

MW-08

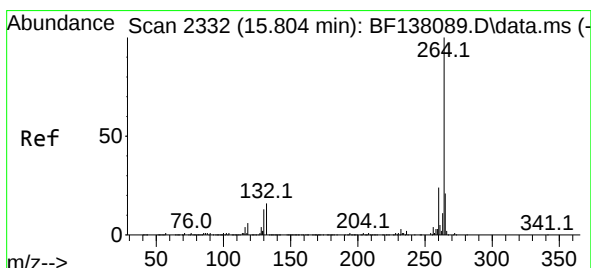
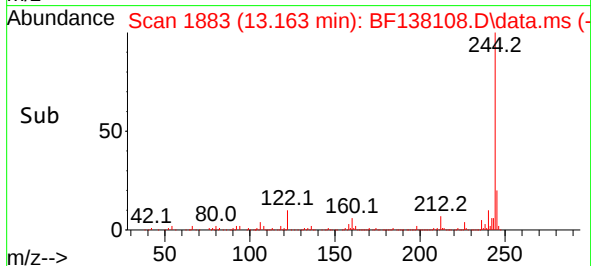
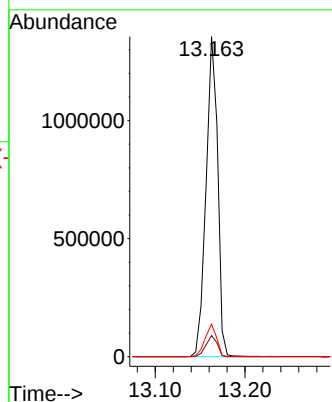
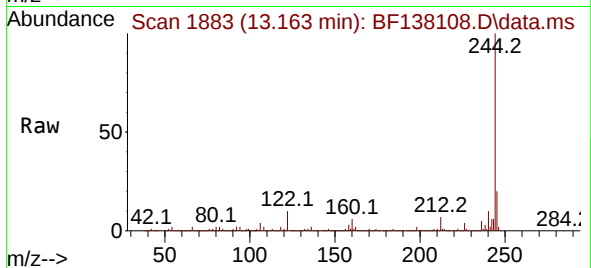
Tgt Ion:244 Resp: 1221259

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.2 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2331

Delta R.T. -0.006 min

Lab File: BF138108.D

Acq: 03 Jun 2024 15:56

Tgt Ion:264 Resp: 258116

Ion Ratio Lower Upper

264 100

260 22.5 18.9 28.3

265 19.9 16.7 25.1

