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 Data File : BF138143.D
 Acq On : 06 Jun 2024 20:15
 Operator : CG\JU
 Sample : P2718-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

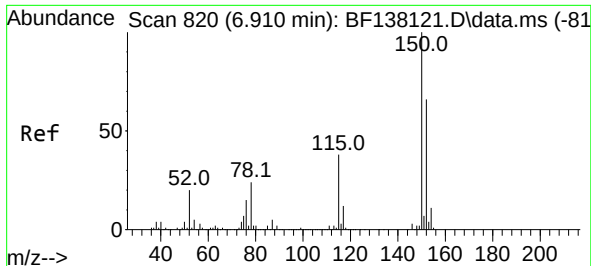
Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Jun 07 03:17:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	395723	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1538675	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	880039	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	1453760	20.000	ng	0.00
76) Chrysene-d12	14.063	240	627210	20.000	ng	0.00
86) Perylene-d12	15.545	264	606527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	708309	30.504	ng	0.00
7) Phenol-d6	6.516	99	631546	21.497	ng	-0.02
23) Nitrobenzene-d5	7.469	82	1995557	88.240	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	644101	76.052	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	3913791	77.763	ng	0.00
79) Terphenyl-d14	13.016	244	3753012	89.500	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.451	77	644	Below Cal	#	77
19) n-Nitroso-di-n-propyla...	7.469	70	269679	14.396	ng	# 77
25) Isophorone	7.469	82	1993814	40.018	ng	# 63
26) 2-Nitrophenol	7.981	139	64	5.057	ng	# 34
32) Benzoic acid	7.851	122	193	7.950	ng	# 50
48) 2-Nitroaniline	9.451	65	248	4.815	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	115144	12.317	ng	# 25
53) 3-Nitroaniline	10.045	138	56524	7.361	ng	# 5
57) 2,4-Dinitrotoluene	9.939	165	115144	11.209	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.722	198	1436	8.660	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	38730	2.340	ng	# 1
77) Benzidine	13.016	184	47117	7.300	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.998	276	11438	3.804	ng	# 88
91) Dibenzo(a,h)anthracene	17.021	278	11402	4.054	ng	# 91
92) Benzo(g,h,i)perylene	17.439	276	8345	3.269	ng	# 83

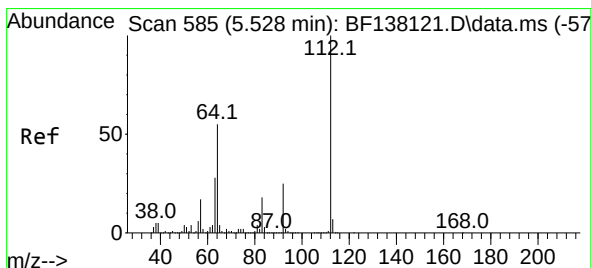
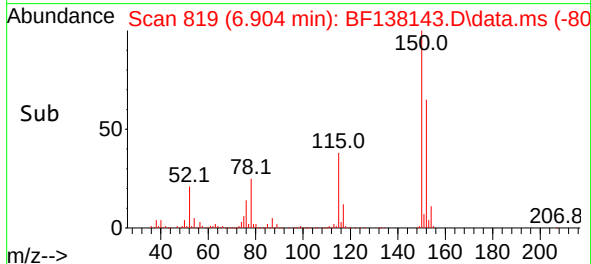
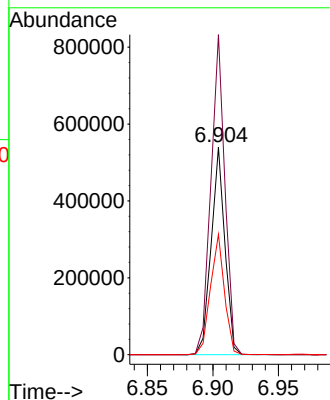
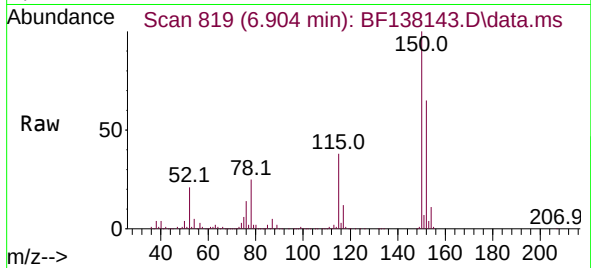
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF138143.D
 Acq: 06 Jun 2024 20:15

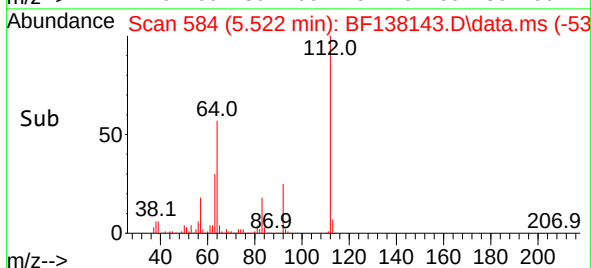
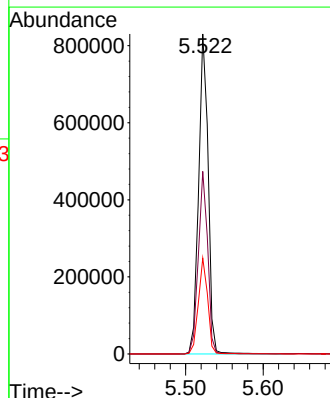
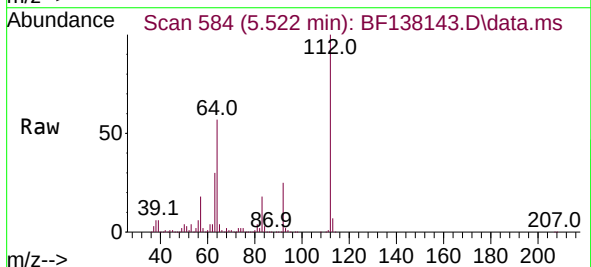
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 ClientSampleId :
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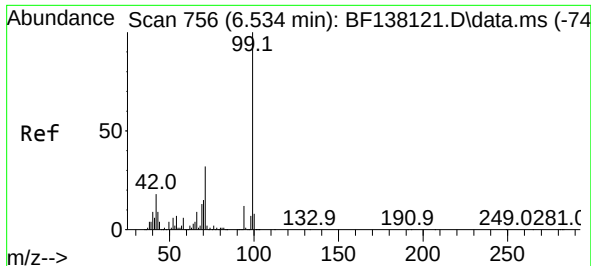
Tgt Ion:152 Resp: 395723
 Ion Ratio Lower Upper
 152 100
 150 154.1 121.8 182.6
 115 58.0 46.2 69.2



#5
 2-Fluorophenol
 Concen: 30.504 ng
 RT: 5.522 min Scan# 584
 Delta R.T. -0.006 min
 Lab File: BF138143.D
 Acq: 06 Jun 2024 20:15

Tgt Ion:112 Resp: 708309
 Ion Ratio Lower Upper
 112 100
 64 57.0 44.0 66.0
 63 29.9 22.1 33.1

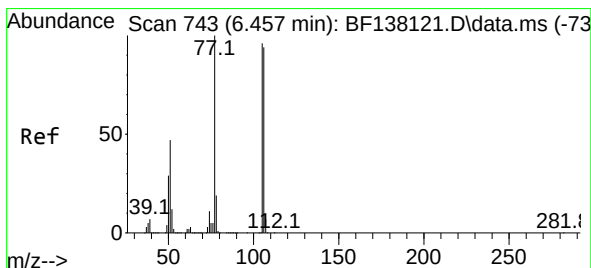
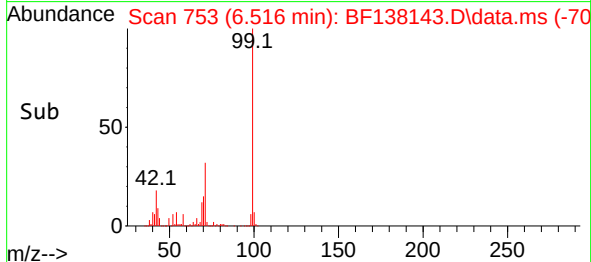
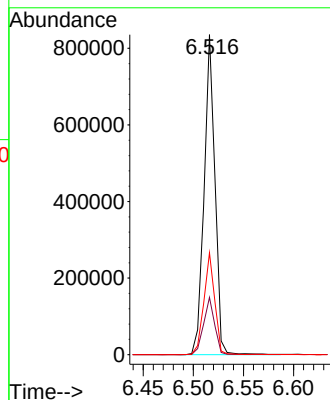
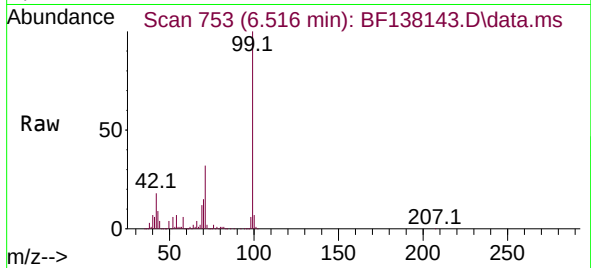




#7
Phenol-d6
Concen: 21.497 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

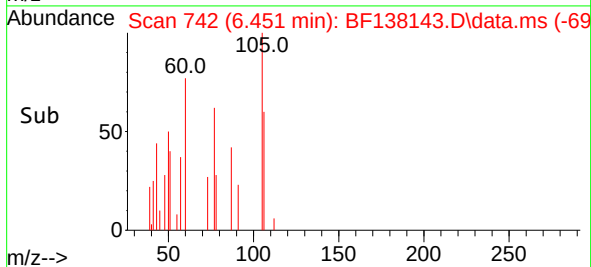
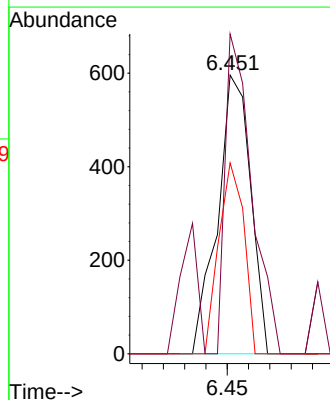
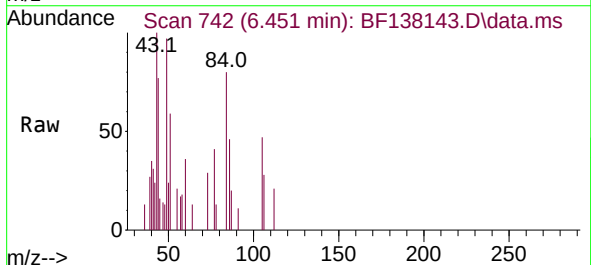
Instrument :
BNA_F
ClientSampleId :
MW-1

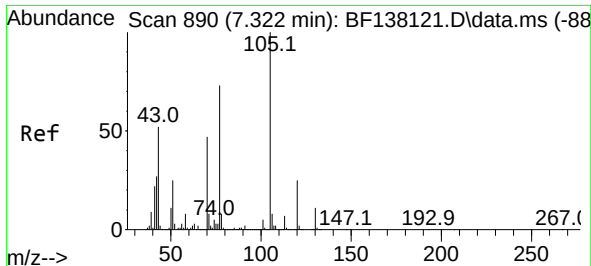
Tgt Ion: 99 Resp: 631546
Ion Ratio Lower Upper
99 100
42 17.9 14.4 21.6
71 31.9 25.5 38.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion: 77 Resp: 644
Ion Ratio Lower Upper
77 100
105 114.8 75.8 115.8
106 68.5 73.9 113.9#

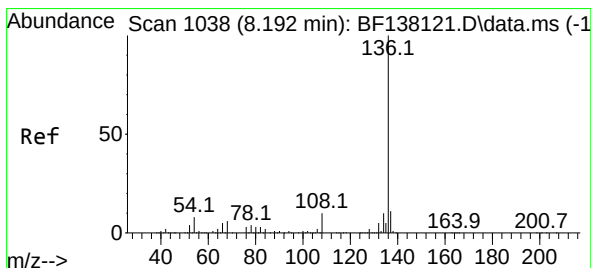
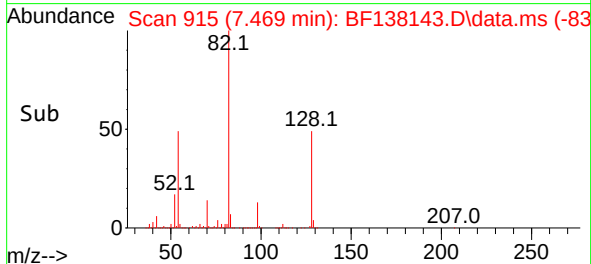
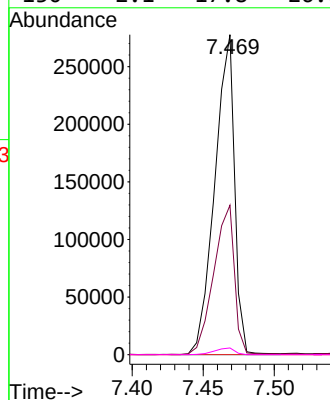
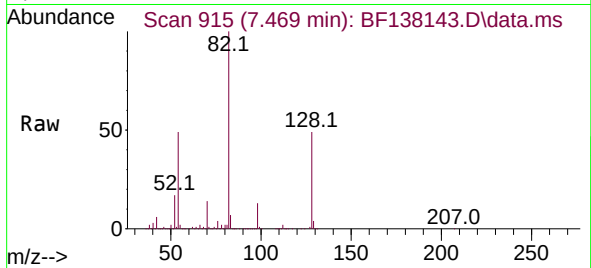




#19
n-Nitroso-di-n-propylamine
Concen: 14.396 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

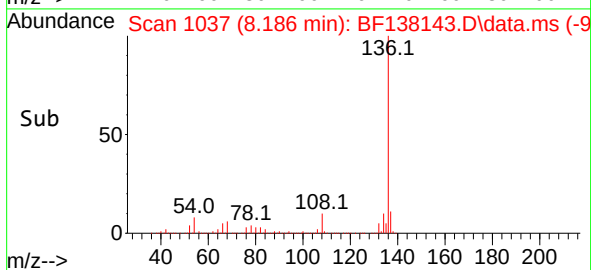
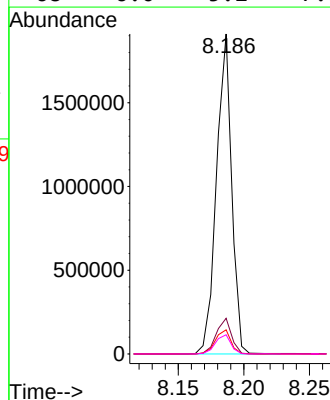
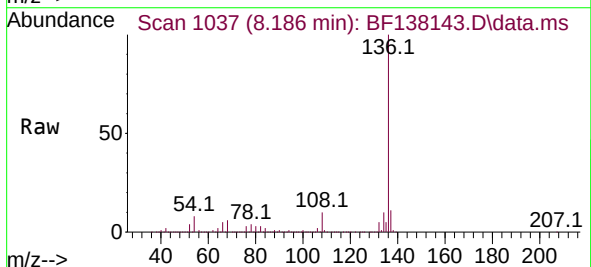
Instrument :
BNA_F
ClientSampleId :
MW-1

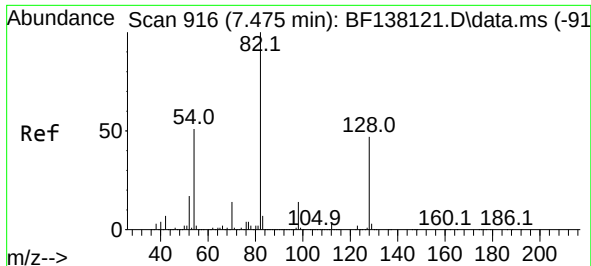
Tgt Ion: 70 Resp: 269679
Ion Ratio Lower Upper
70 100
42 46.7 46.3 69.5
101 0.0 7.7 11.5#
130 2.1 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion:136 Resp: 1538675
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.6 6.2 9.2
68 6.0 5.2 7.8

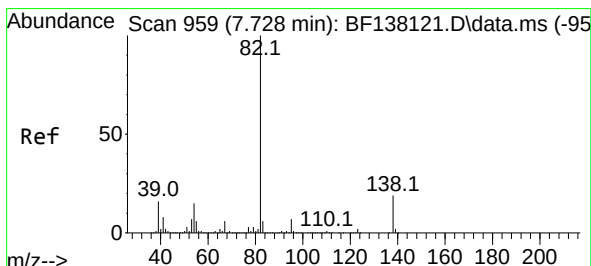
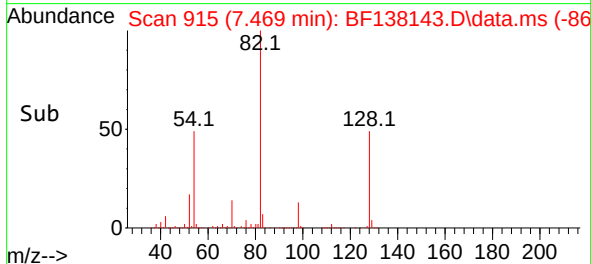
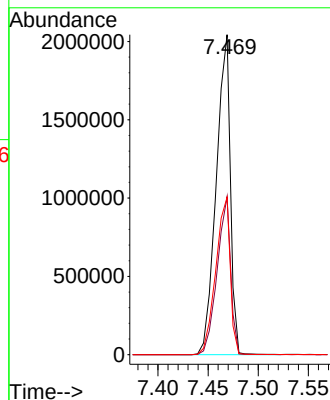
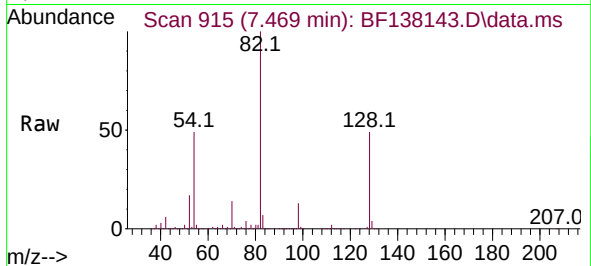




#23
Nitrobenzene-d5
Concen: 88.240 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

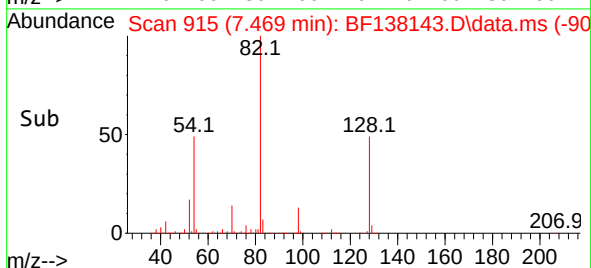
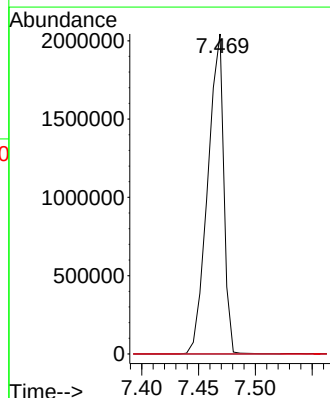
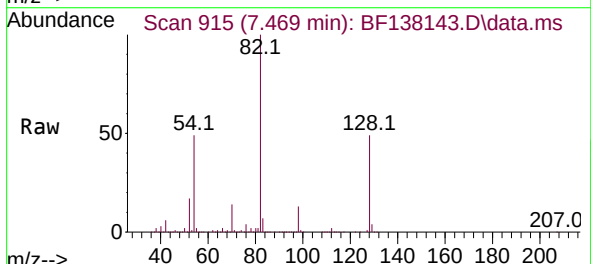
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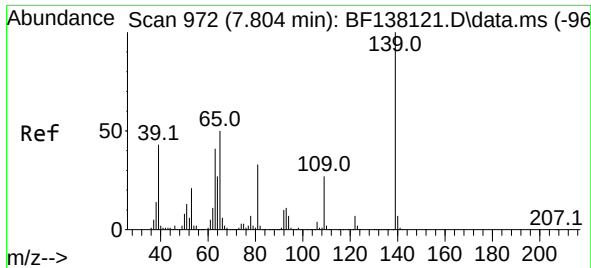
Tgt Ion: 82 Resp: 1995557
Ion Ratio Lower Upper
82 100
128 49.3 37.7 56.5
54 49.2 40.8 61.2



#25
Isophorone
Concen: 40.018 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.259 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion: 82 Resp: 1993814
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

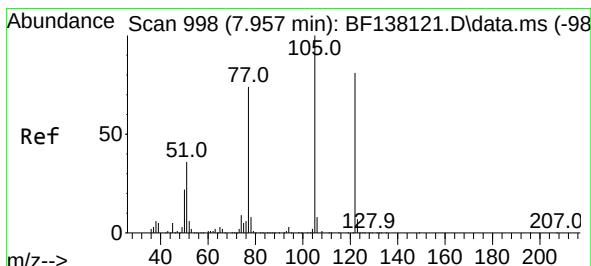
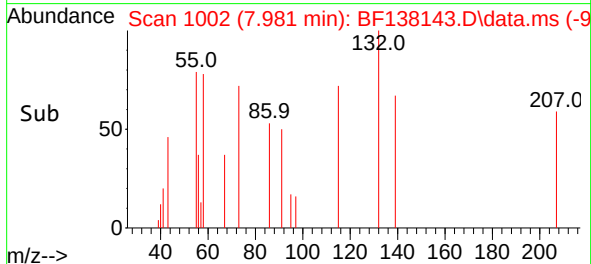
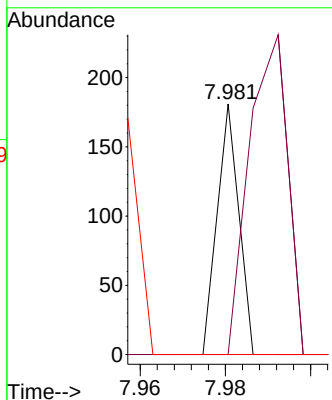
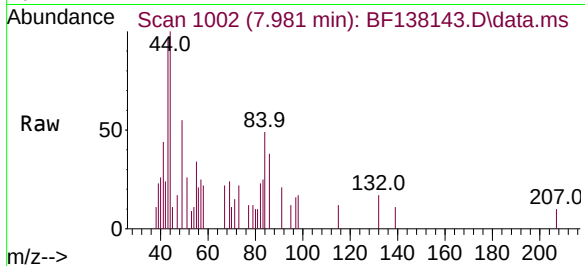




#26
2-Nitrophenol
Concen: 5.057 ng
RT: 7.981 min Scan# 1002
Delta R.T. 0.177 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

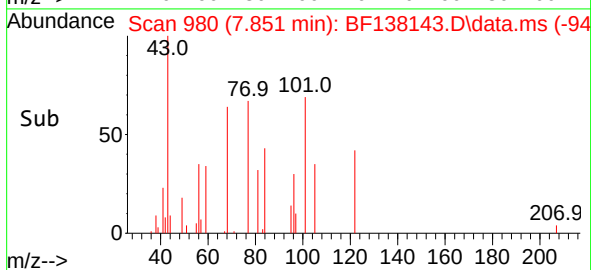
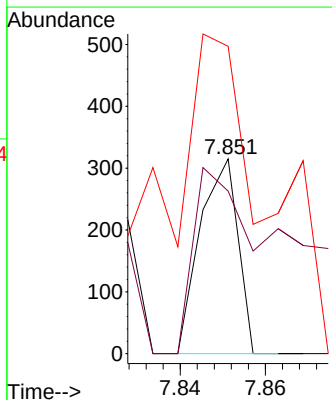
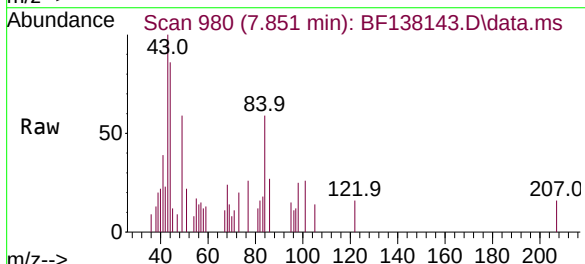
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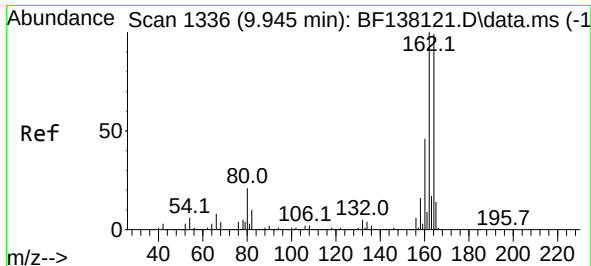
Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.6#
65 0.0 40.1 60.1#



#32
Benzoic acid
Concen: 7.950 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.106 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion:122 Resp: 193
Ion Ratio Lower Upper
122 100
105 83.5 102.8 142.8#
77 157.8 71.2 111.2#

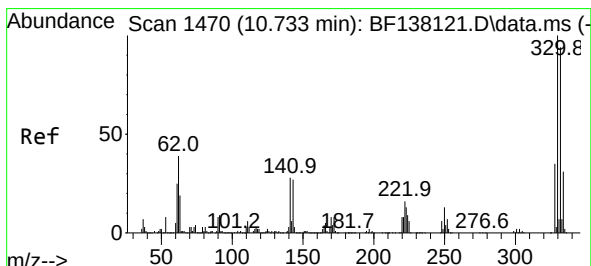
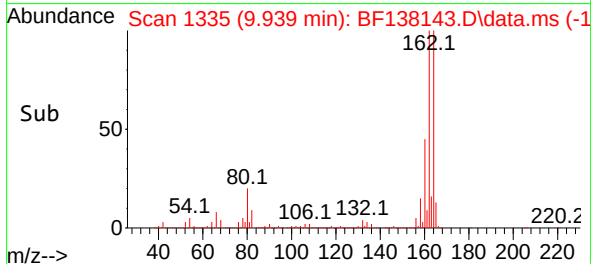
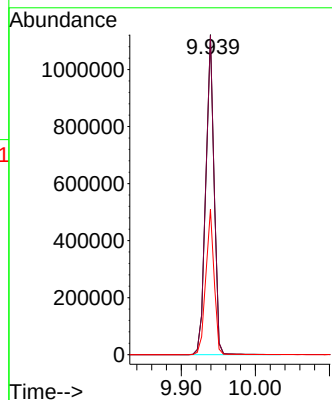
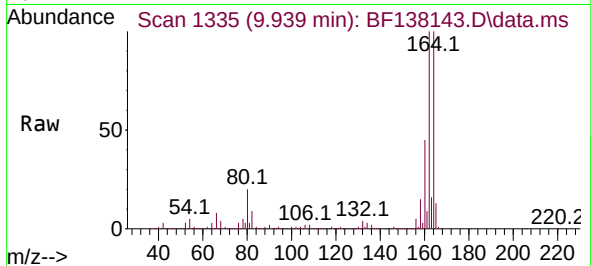




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

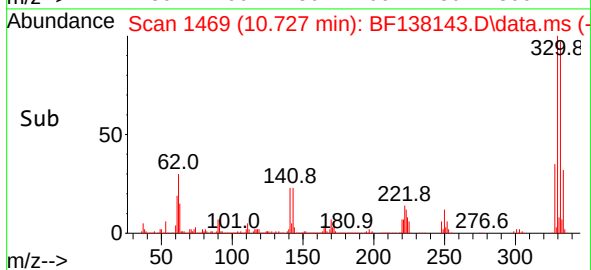
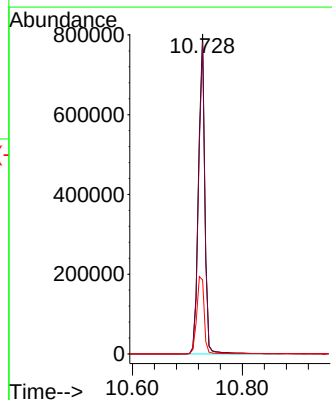
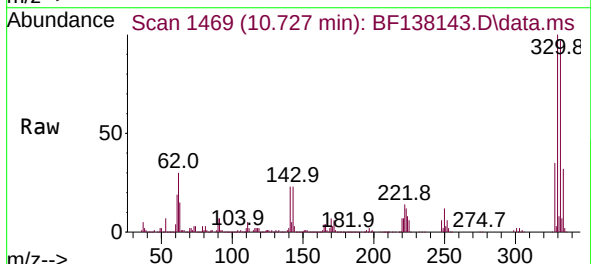
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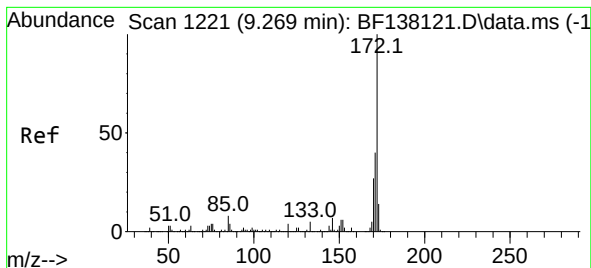
Tgt Ion:164 Resp: 880039
Ion Ratio Lower Upper
164 100
162 99.7 80.9 121.3
160 45.4 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 76.052 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion:330 Resp: 644101
Ion Ratio Lower Upper
330 100
332 95.7 75.8 113.8
141 28.2 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 77.763 ng

RT: 9.263 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF138143.D

Acq: 06 Jun 2024 20:15

Instrument :

BNA_F

ClientSampleId :

MW-1

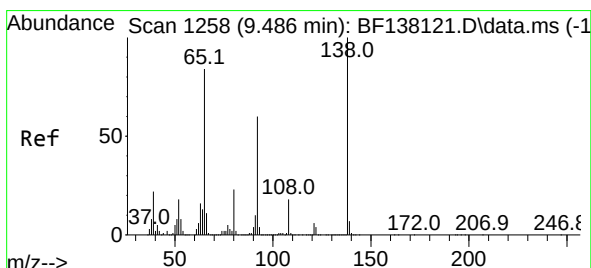
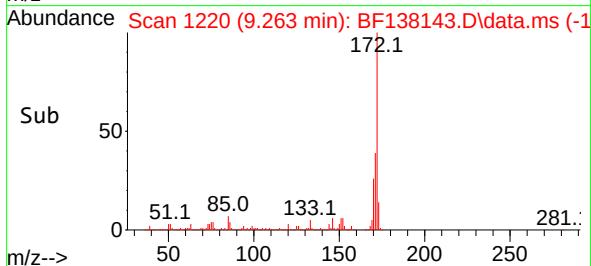
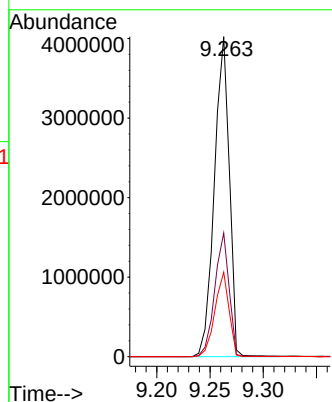
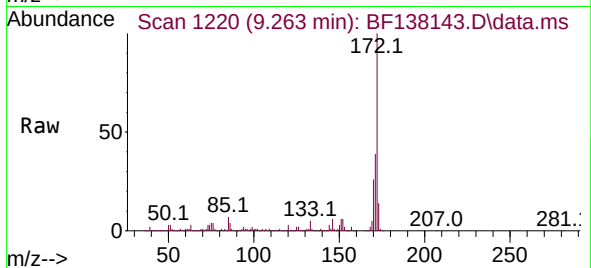
Tgt Ion:172 Resp: 3913791

Ion Ratio Lower Upper

172 100

171 38.7 31.6 47.4

170 26.4 21.4 32.2



#48

2-Nitroaniline

Concen: 4.815 ng

RT: 9.451 min Scan# 1252

Delta R.T. -0.035 min

Lab File: BF138143.D

Acq: 06 Jun 2024 20:15

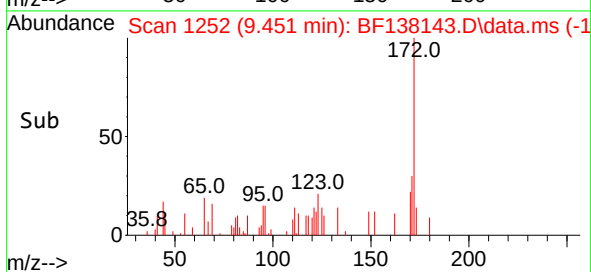
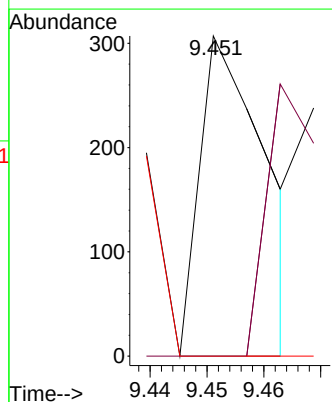
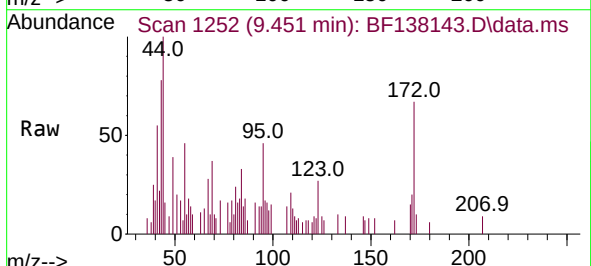
Tgt Ion: 65 Resp: 248

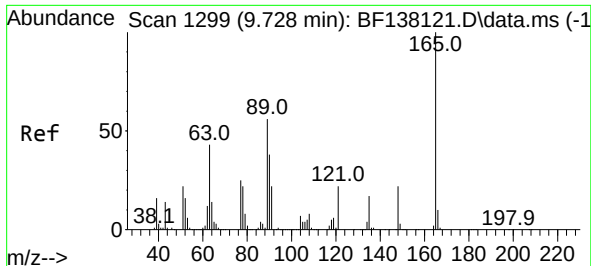
Ion Ratio Lower Upper

65 100

92 0.0 57.3 85.9#

138 0.0 95.4 143.2#

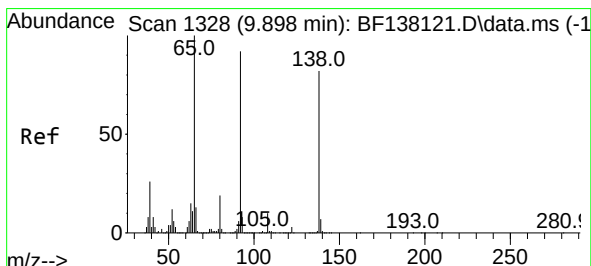
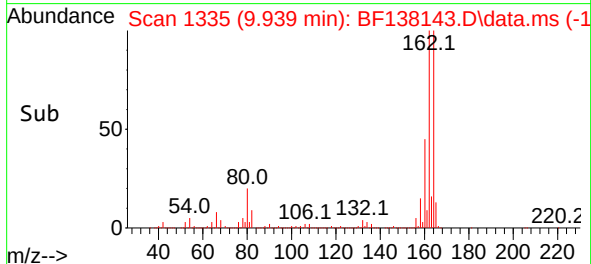
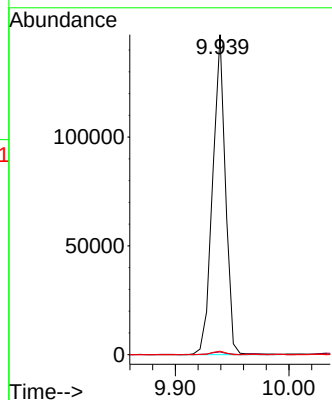
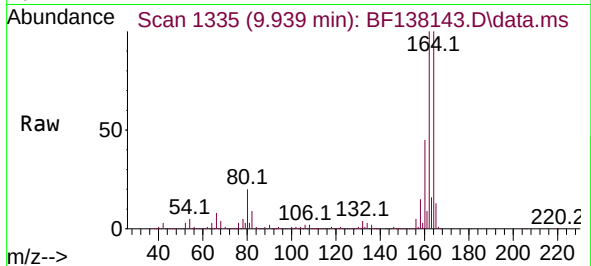




#51
2,6-Dinitrotoluene
Concen: 12.317 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

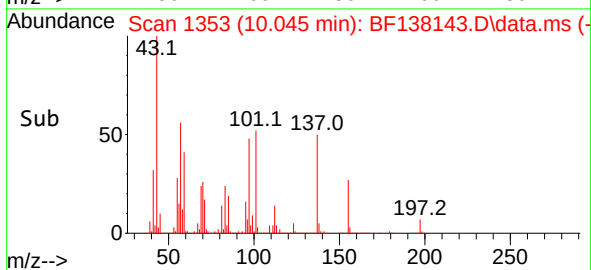
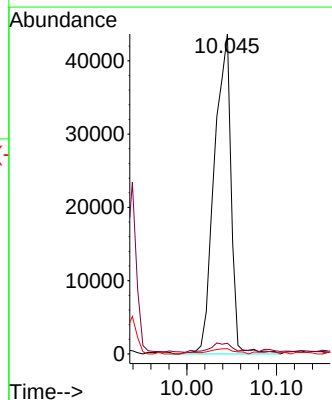
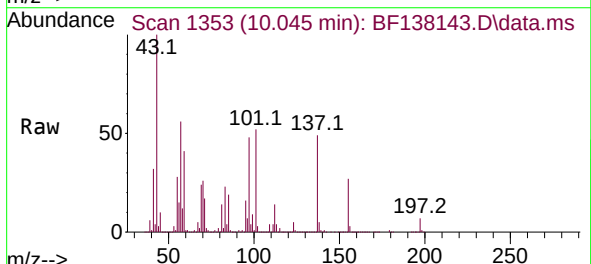
Instrument :
BNA_F
ClientSampleId :
MW-1

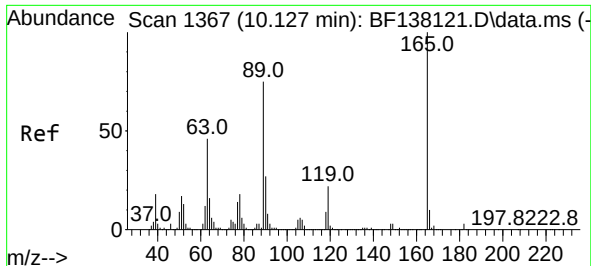
Tgt Ion:165 Resp: 115144
Ion Ratio Lower Upper
165 100
63 0.9 42.9 64.3#
89 1.1 45.0 67.4#



#53
3-Nitroaniline
Concen: 7.361 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.147 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion:138 Resp: 56524
Ion Ratio Lower Upper
138 100
108 3.3 10.3 15.5#
92 1.6 89.5 134.3#

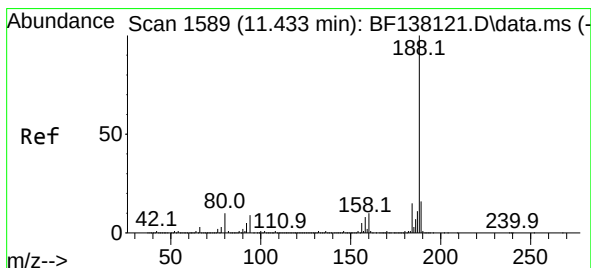
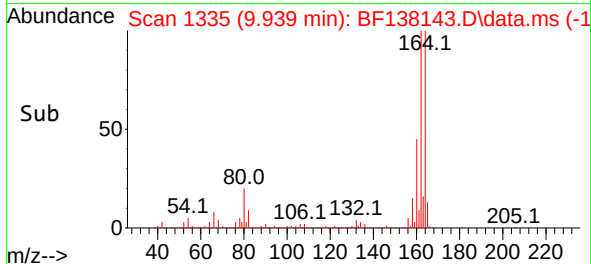
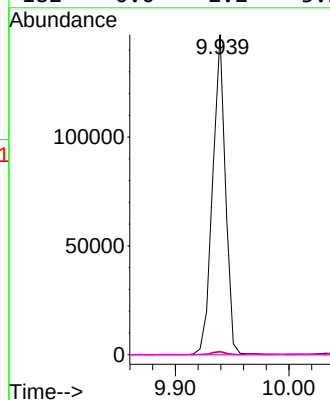
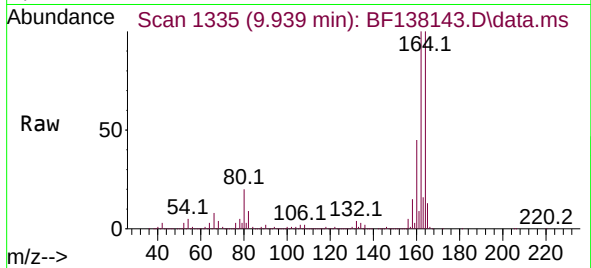




#57
2,4-Dinitrotoluene
Concen: 11.209 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

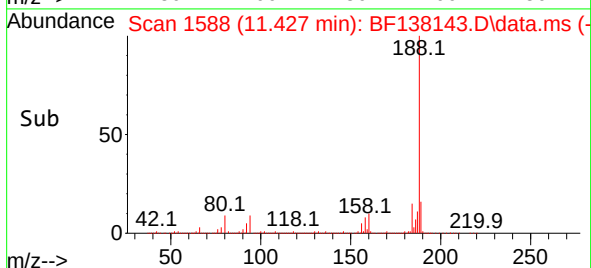
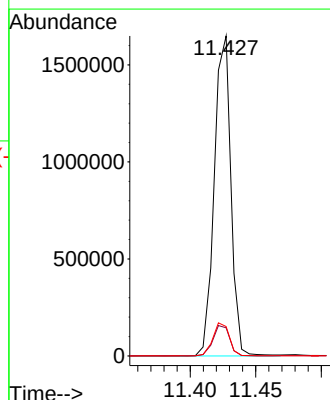
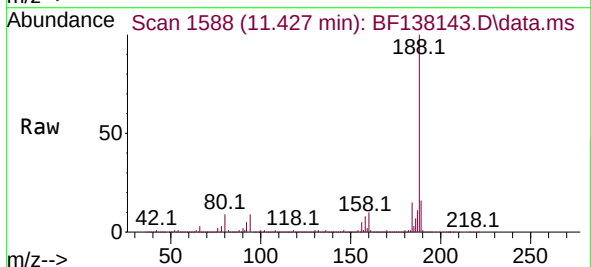
Instrument :
BNA_F
ClientSampleId :
MW-1

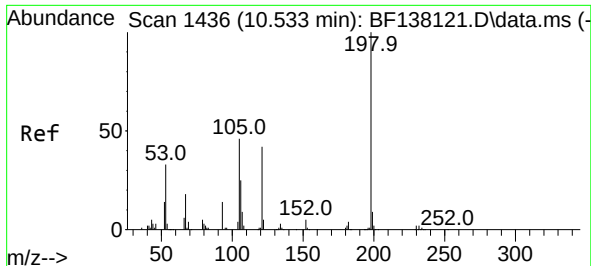
Tgt Ion:165 Resp: 115144
Ion Ratio Lower Upper
165 100
63 0.9 36.8 55.2#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion:188 Resp: 1453760
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.2 7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.660 ng

RT: 10.722 min Scan# 1436

Delta R.T. 0.189 min

Lab File: BF138143.D

Acq: 06 Jun 2024 20:15

Instrument :

BNA_F

ClientSampleId :

MW-1

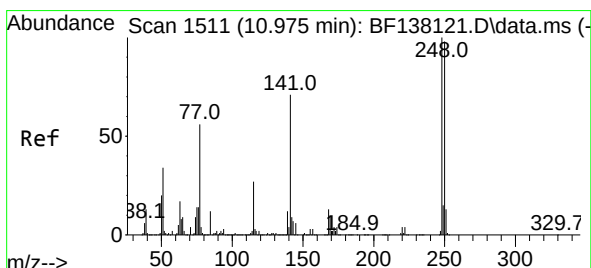
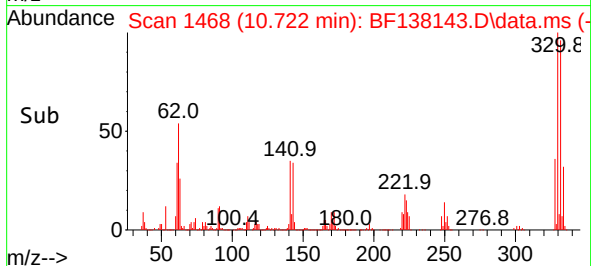
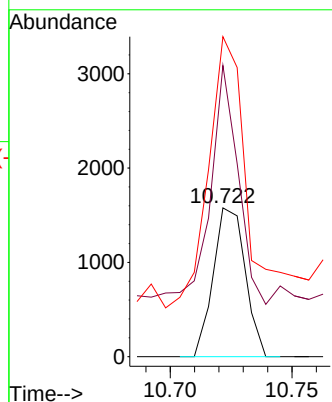
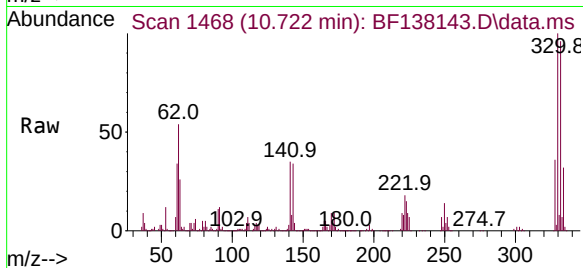
Tgt Ion:198 Resp: 1436

Ion Ratio Lower Upper

198 100

51 195.7 28.2 68.2#

105 215.1 26.8 66.8#



#67

4-Bromophenyl-phenylether

Concen: 2.340 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.247 min

Lab File: BF138143.D

Acq: 06 Jun 2024 20:15

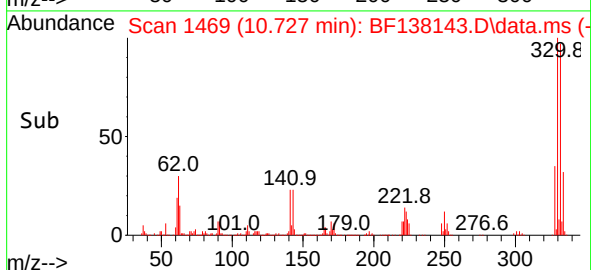
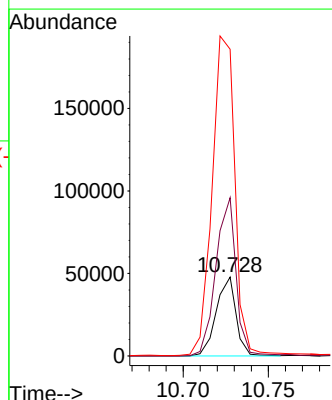
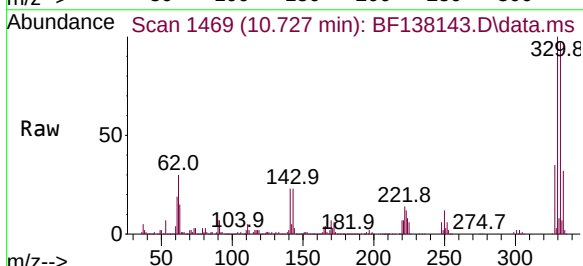
Tgt Ion:248 Resp: 38730

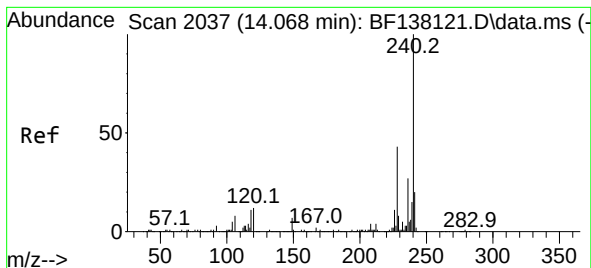
Ion Ratio Lower Upper

248 100

250 200.4 78.7 118.1#

141 388.6 56.5 84.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.005 min

Lab File: BF138143.D

Acq: 06 Jun 2024 20:15

Instrument :

BNA_F

ClientSampleId :

MW-1

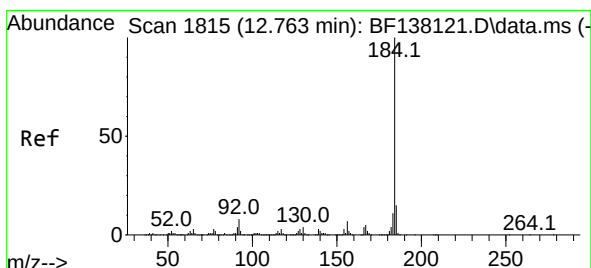
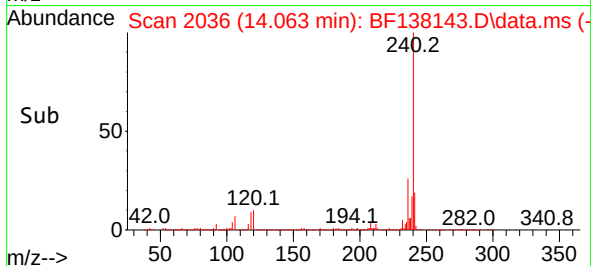
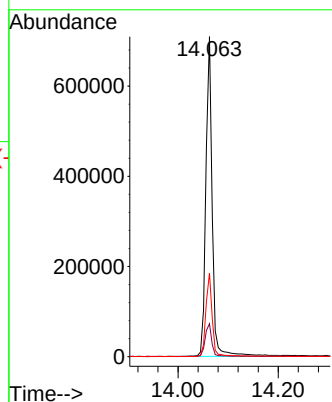
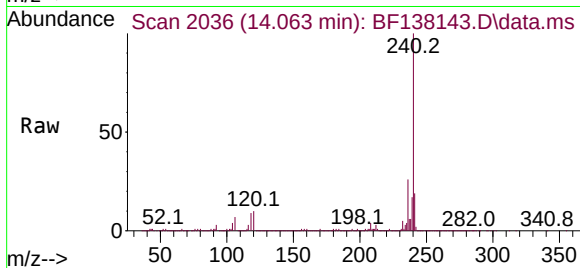
Tgt Ion:240 Resp: 627210

Ion Ratio Lower Upper

240 100

120 10.3 9.8 14.8

236 26.2 21.2 31.8



#77

Benzidine

Concen: 7.300 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.253 min

Lab File: BF138143.D

Acq: 06 Jun 2024 20:15

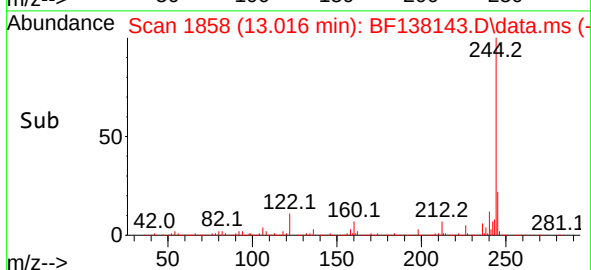
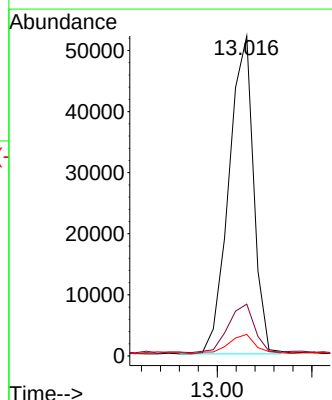
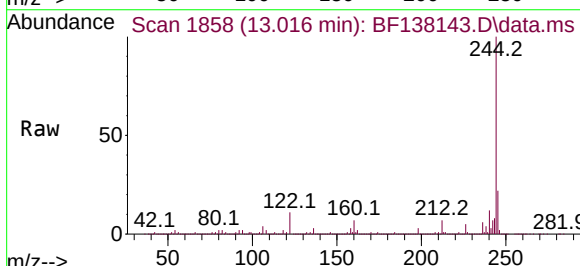
Tgt Ion:184 Resp: 47117

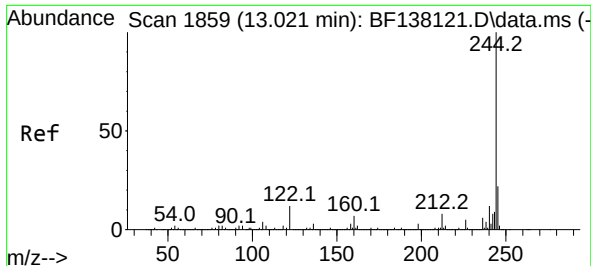
Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

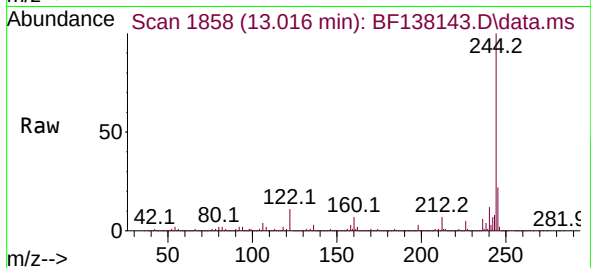
183 6.8 9.0 13.4#



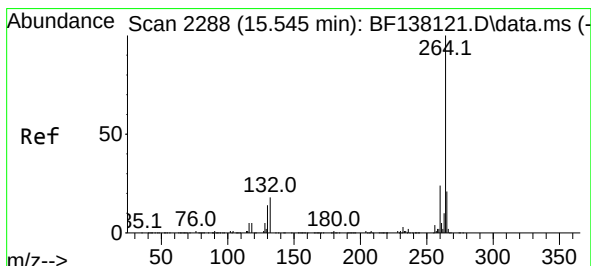
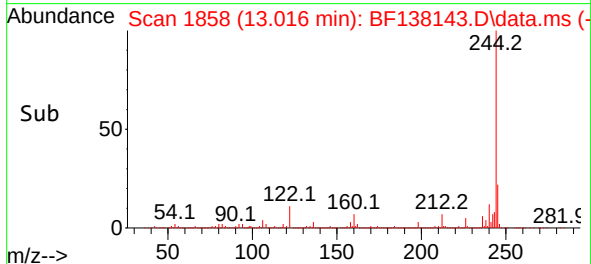
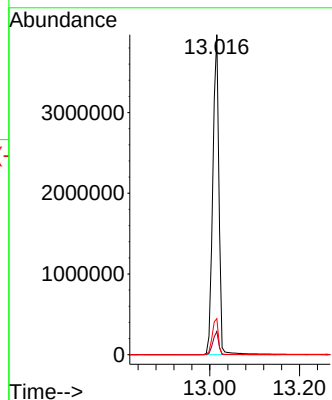


#79
Terphenyl-d14
Concen: 89.500 ng
RT: 13.016 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Instrument :
BNA_F
ClientSampleId :
MW-1

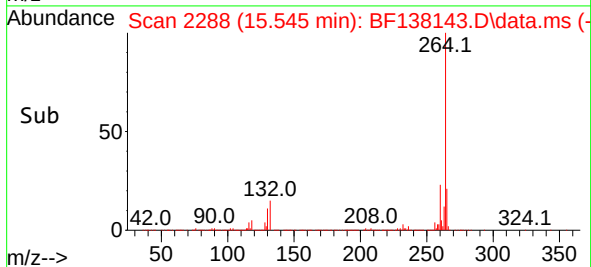
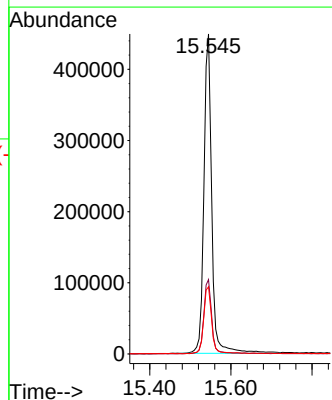
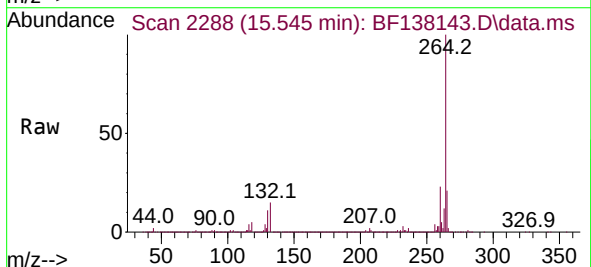


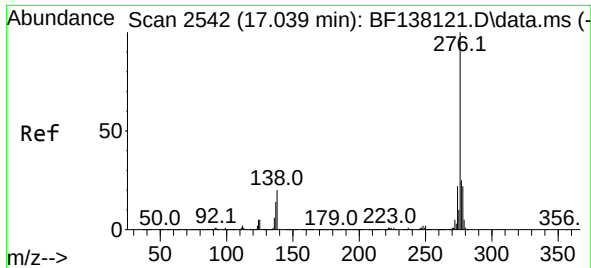
Tgt Ion:244 Resp: 3753012
Ion Ratio Lower Upper
244 100
212 7.3 6.4 9.6
122 11.3 9.4 14.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF138143.D
Acq: 06 Jun 2024 20:15

Tgt Ion:264 Resp: 606527
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 21.0 17.1 25.7

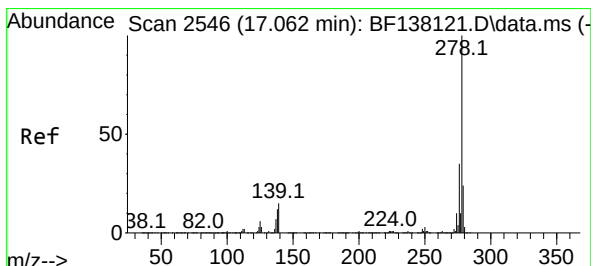
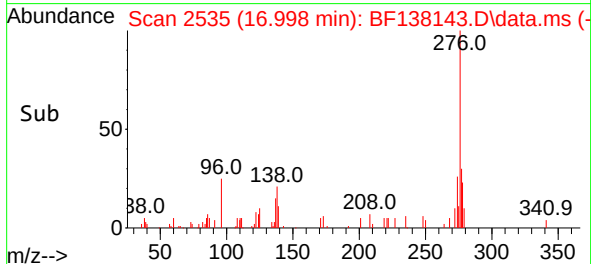
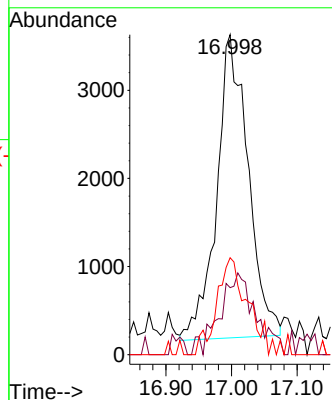
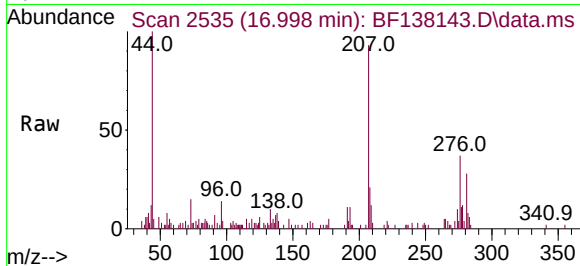




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.804 ng
 RT: 16.998 min Scan# 2535
 Delta R.T. -0.041 min
 Lab File: BF138143.D
 Acq: 06 Jun 2024 20:15

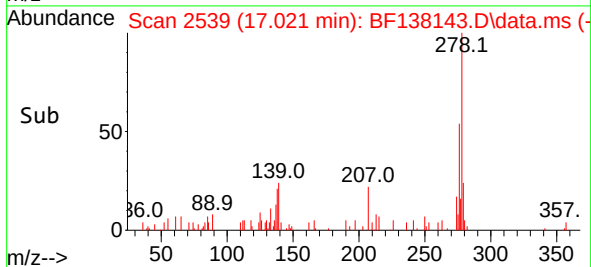
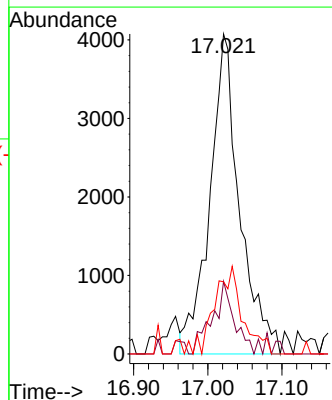
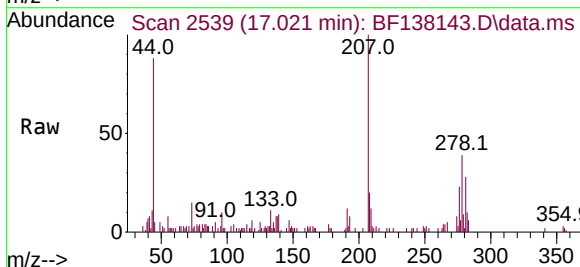
Instrument :
 BNA_F
 ClientSampleId :
 MW-1

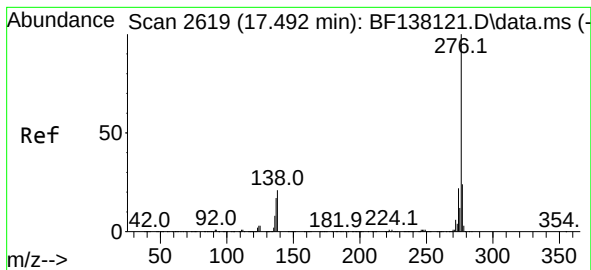
Tgt Ion:276 Resp: 11438
 Ion Ratio Lower Upper
 276 100
 138 31.4 18.9 28.3#
 277 29.5 20.3 30.5



#91
 Dibenzo(a,h)anthracene
 Concen: 4.054 ng
 RT: 17.021 min Scan# 2539
 Delta R.T. -0.041 min
 Lab File: BF138143.D
 Acq: 06 Jun 2024 20:15

Tgt Ion:278 Resp: 11402
 Ion Ratio Lower Upper
 278 100
 139 22.7 11.7 17.5#
 279 22.6 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 3.269 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.053 min

Lab File: BF138143.D

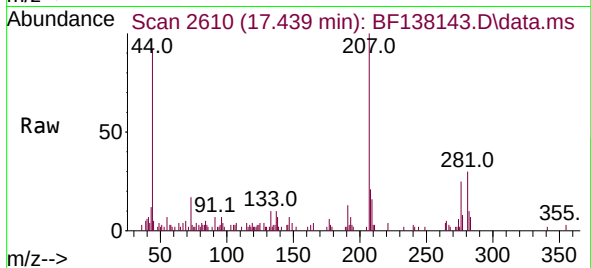
Acq: 06 Jun 2024 20:15

Instrument :

BNA_F

ClientSampleId :

MW-1



Tgt Ion: 276 Resp: 8345

Ion Ratio Lower Upper

276 100

277 32.9 19.0 28.4#

138 28.1 16.5 24.7#

