

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060624\
 Data File : BF138141.D
 Acq On : 06 Jun 2024 19:15
 Operator : CG\JU
 Sample : P2717-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

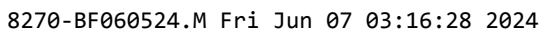
Instrument :
 BNA_F
 ClientSampleId :
 MW-6A

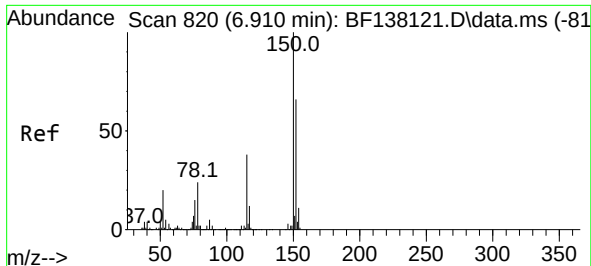
Quant Time: Jun 07 03:16:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	367570	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1422380	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	824063	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	1451867	20.000	ng	0.00
76) Chrysene-d12	14.063	240	602847	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	550354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1084118	50.265	ng	0.00
7) Phenol-d6	6.522	99	980966	35.948	ng	-0.01
23) Nitrobenzene-d5	7.469	82	1915623	91.631	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	1077940	135.922	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	3825329	81.168	ng	0.00
79) Terphenyl-d14	13.016	244	3813689	94.622	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.463	77	188600	6.404	ng	# 1
15) Benzyl Alcohol	6.963	79	144100	7.463	ng	# 5
18) Hexachloroethane	7.392	117	41006	4.462	ng	# 1
19) n-Nitroso-di-n-propyla...	7.469	70	258941	14.882	ng	# 78
22) Acetophenone	7.310	105	930420	28.414	ng	# 96
25) Isophorone	7.469	82	1910780	41.488	ng	# 63
26) 2-Nitrophenol	7.804	139	413	5.098	ng	# 1
31) Naphthalene	8.210	128	1786767	25.971	ng	99
32) Benzoic acid	7.939	122	13497	9.142	ng	# 1
33) 4-Chloroaniline	8.210	127	248022	9.592	ng	# 32
37) 2-Methylnaphthalene	8.898	142	459372	9.905	ng	100
38) 1-Methylnaphthalene	8.998	142	239043	5.264	ng	100
48) 2-Nitroaniline	9.451	65	1055	4.880	ng	# 39
51) 2,6-Dinitrotoluene	9.939	165	110279	12.520	ng	# 26
53) 3-Nitroaniline	10.045	138	32945	5.694	ng	# 5
54) 2,4-Dinitrophenol	10.033	184	57	5.948	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	110279	11.378	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.727	198	2432	8.852	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	66917	4.048	ng	# 1
77) Benzidine	13.016	184	48375	7.798	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.998	276	17359	4.020	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	14802	4.226	ng	# 93
92) Benzo(g,h,i)perylene	17.445	276	9623	3.347	ng	96

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

Quant Time: Jun 07 03:16:19 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

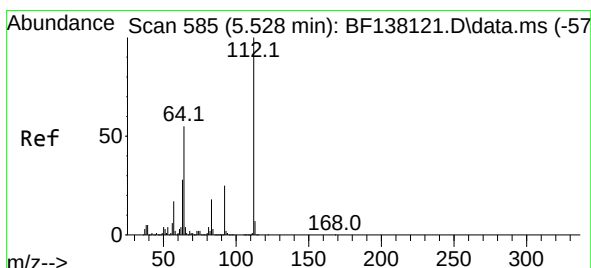
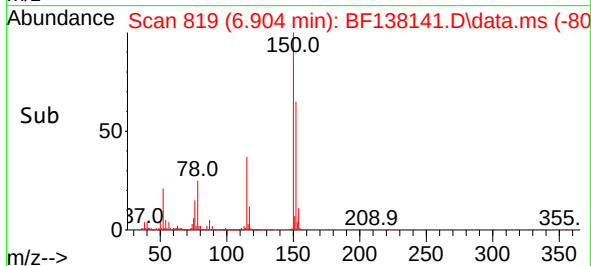
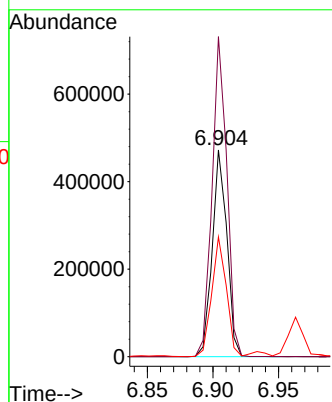
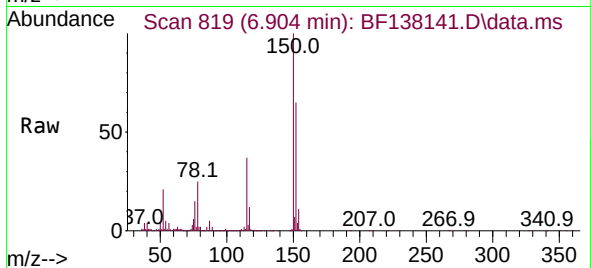




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF138141.D
 Acq: 06 Jun 2024 19:15

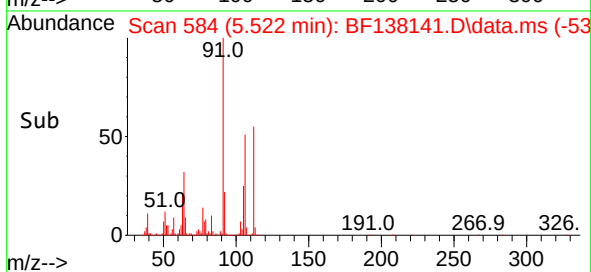
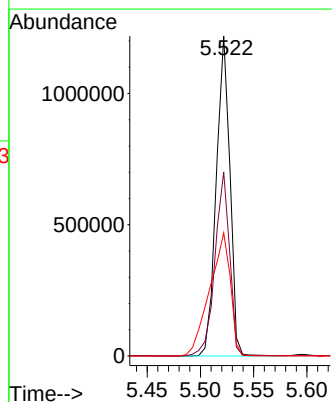
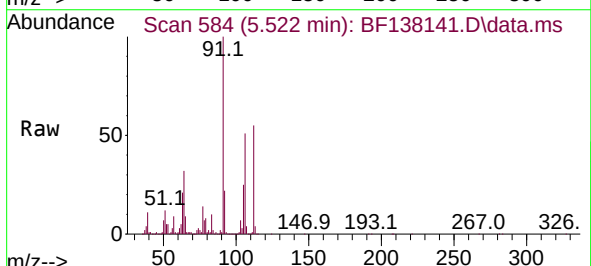
Instrument :
 BNA_F
 ClientSampleId :
 MW-6A

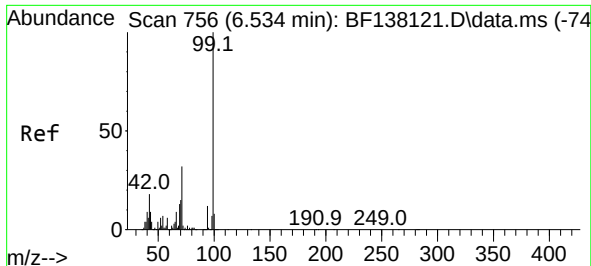
Tgt Ion:152 Resp: 367570
 Ion Ratio Lower Upper
 152 100
 150 154.8 121.8 182.6
 115 57.9 46.2 69.2



#5
 2-Fluorophenol
 Concen: 50.265 ng
 RT: 5.522 min Scan# 584
 Delta R.T. -0.006 min
 Lab File: BF138141.D
 Acq: 06 Jun 2024 19:15

Tgt Ion:112 Resp: 1084118
 Ion Ratio Lower Upper
 112 100
 64 57.5 44.0 66.0
 63 38.5 22.1 33.1#

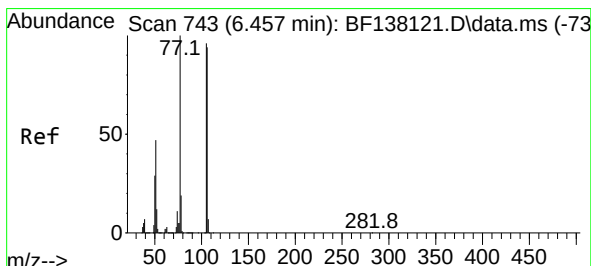
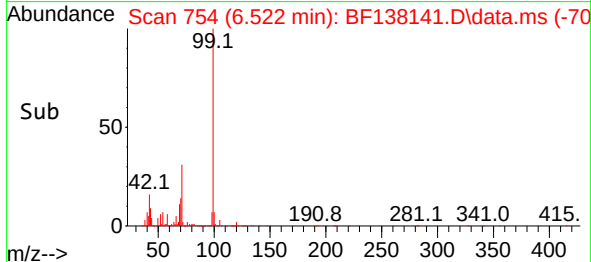
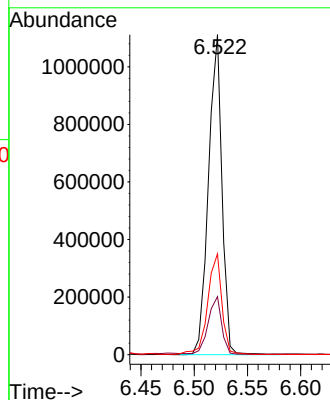
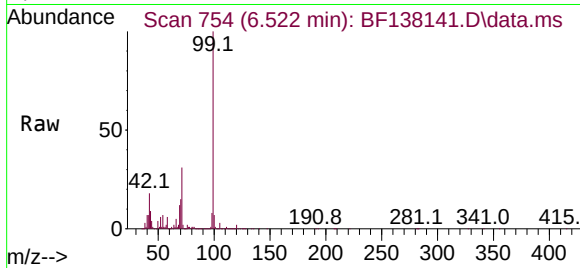




#7
Phenol-d6
Concen: 35.948 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

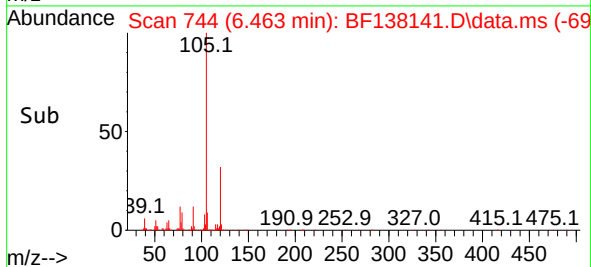
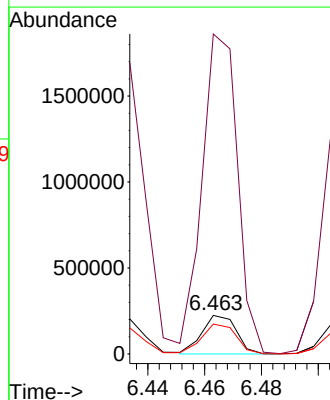
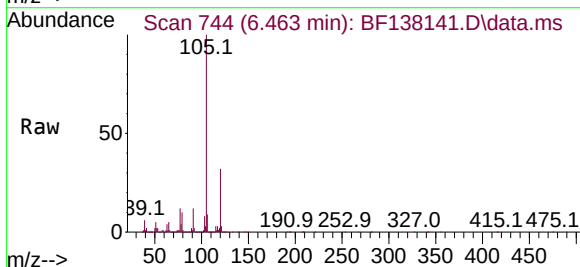
Instrument :
BNA_F
ClientSampleId :
MW-6A

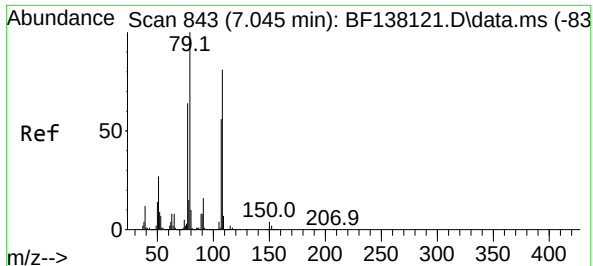
Tgt Ion: 99 Resp: 980966
Ion Ratio Lower Upper
99 100
42 18.1 14.4 21.6
71 31.5 25.5 38.3



#9
Benzaldehyde
Concen: 6.404 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion: 77 Resp: 188600
Ion Ratio Lower Upper
77 100
105 828.3 75.8 115.8#
106 77.4 73.9 113.9

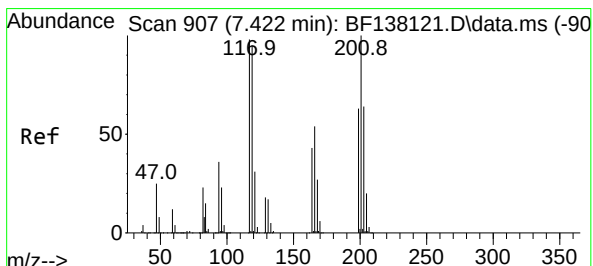
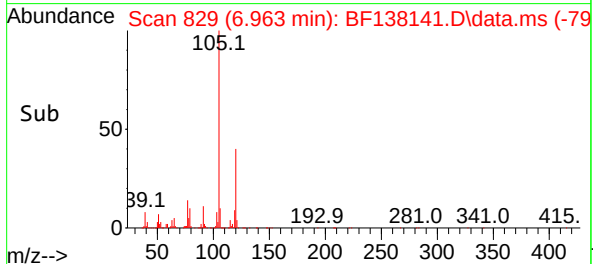
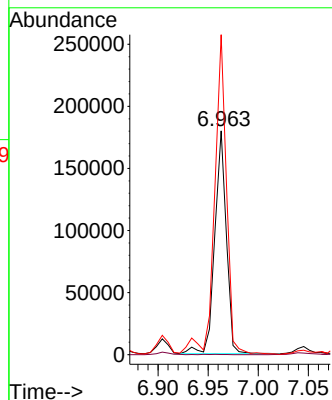
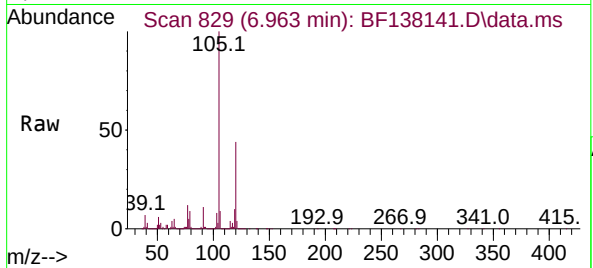




#15
Benzyl Alcohol
Concen: 7.463 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.082 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

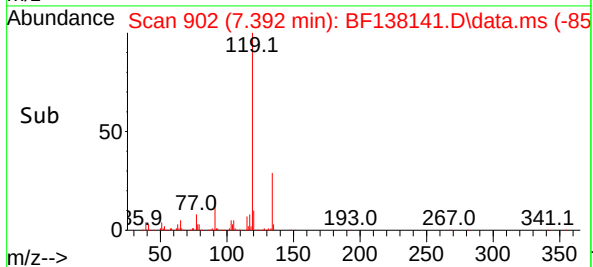
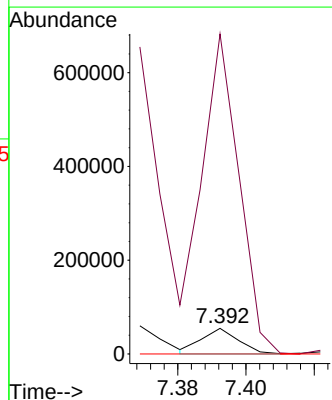
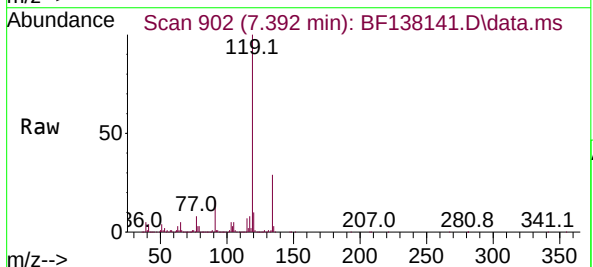
Instrument :
BNA_F
ClientSampleId :
MW-6A

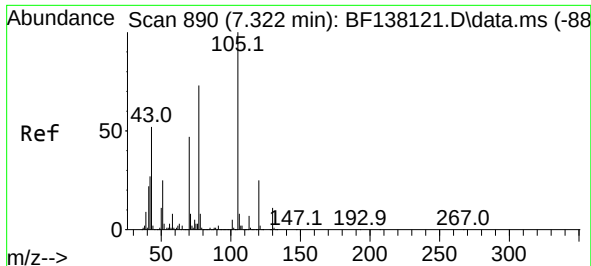
Tgt Ion: 79 Resp: 144100
Ion Ratio Lower Upper
79 100
108 0.1 64.5 96.7#
77 143.0 51.1 76.7#



#18
Hexachloroethane
Concen: 4.462 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.029 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion: 117 Resp: 41006
Ion Ratio Lower Upper
117 100
119 1249.4 77.7 116.5#
201 0.0 81.7 122.5#

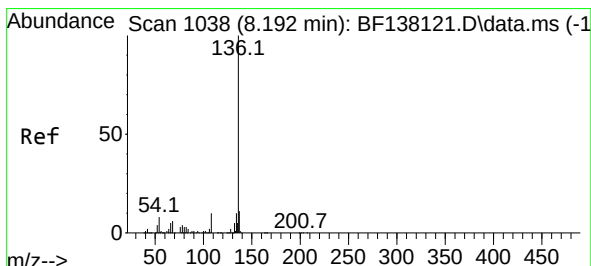
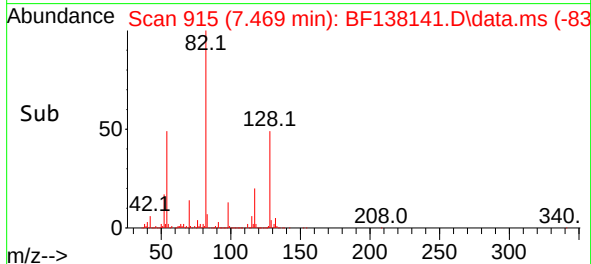
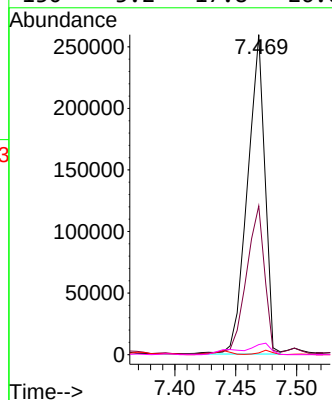
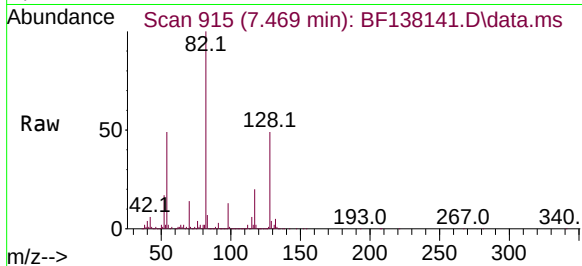




#19
n-Nitroso-di-n-propylamine
Concen: 14.882 ng
RT: 7.469 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

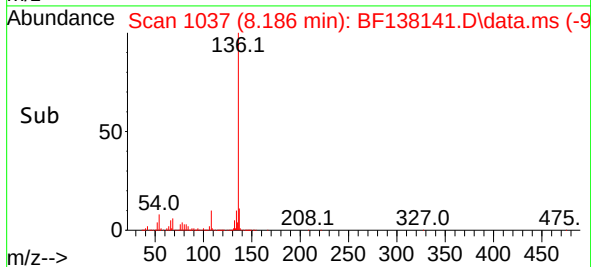
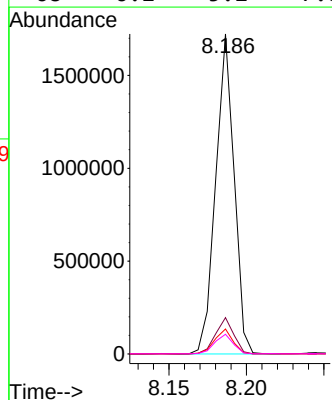
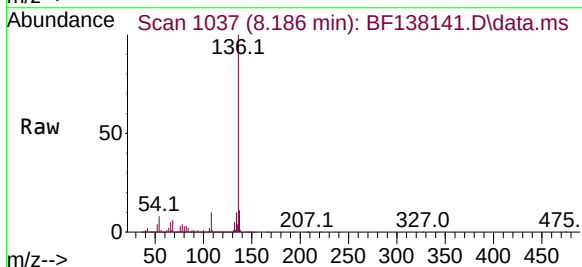
Instrument :
BNA_F
ClientSampleId :
MW-6A

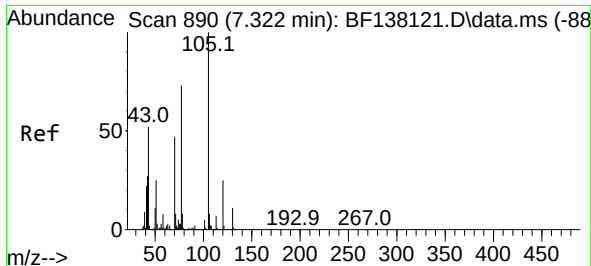
Tgt Ion: 70 Resp: 258941
Ion Ratio Lower Upper
70 100
42 46.5 46.3 69.5
101 0.5 7.7 11.5#
130 3.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:136 Resp: 1422380
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.8 6.2 9.2
68 6.2 5.2 7.8

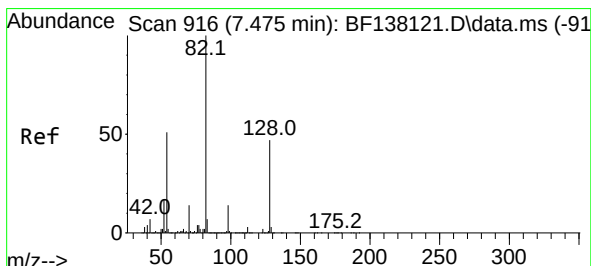
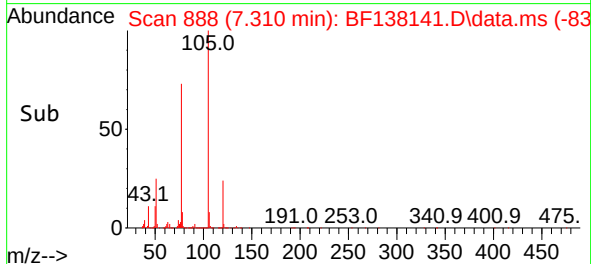
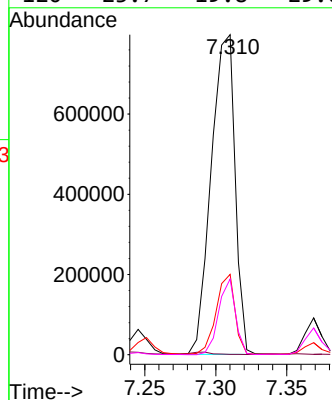
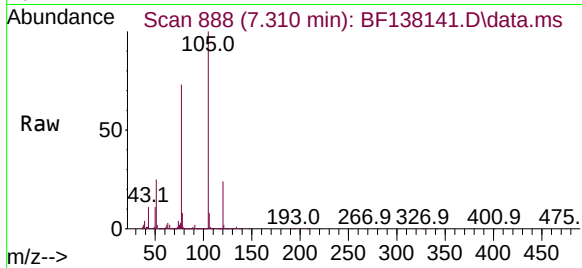




#22
Acetophenone
Concen: 28.414 ng
RT: 7.310 min Scan# 88
Delta R.T. -0.012 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

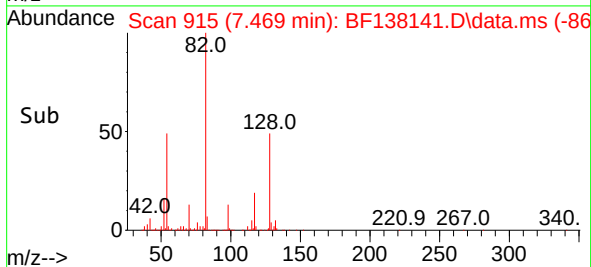
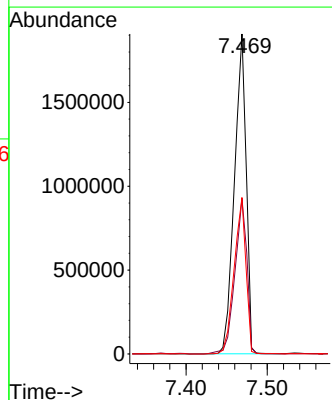
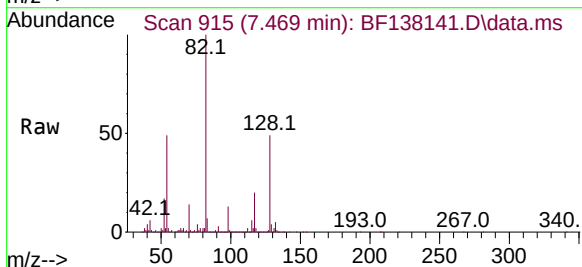
Instrument :
BNA_F
ClientSampleId :
MW-6A

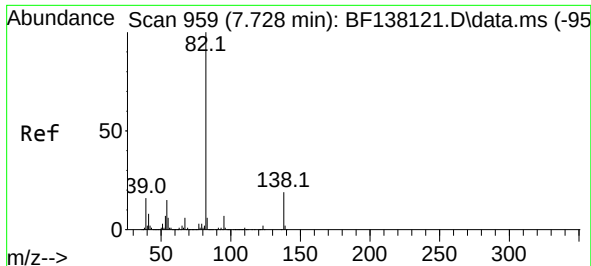
Tgt Ion:105 Resp: 930420
Ion Ratio Lower Upper
105 100
71 0.1 6.3 9.5#
51 25.1 19.8 29.6
120 23.7 19.8 29.6



#23
Nitrobenzene-d5
Concen: 91.631 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion: 82 Resp: 1915623
Ion Ratio Lower Upper
82 100
128 48.7 37.7 56.5
54 48.9 40.8 61.2

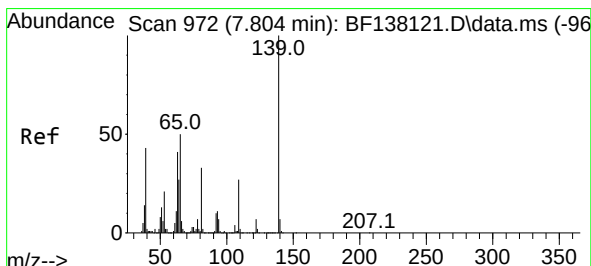
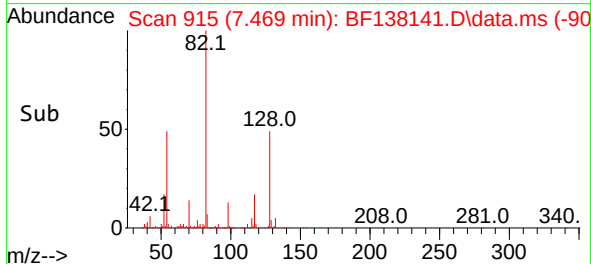
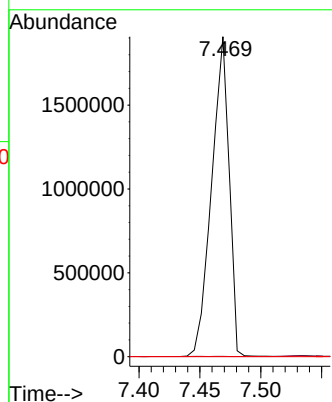
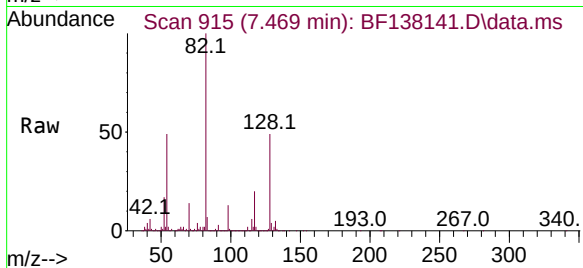




#25
Isophorone
Concen: 41.488 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.259 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

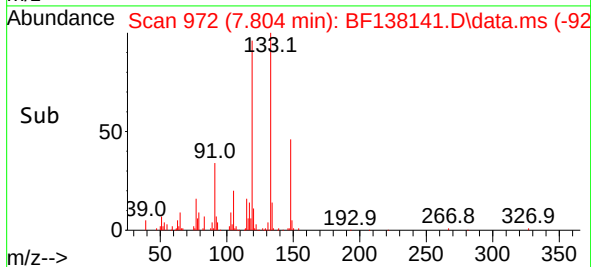
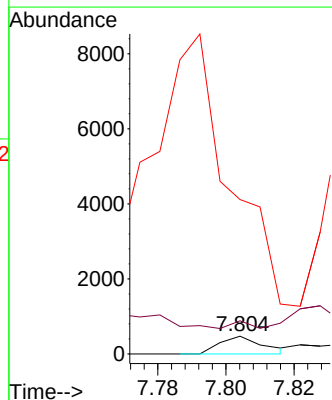
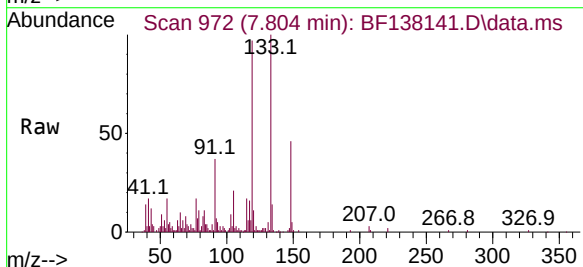
Instrument :
BNA_F
ClientSampleId :
MW-6A

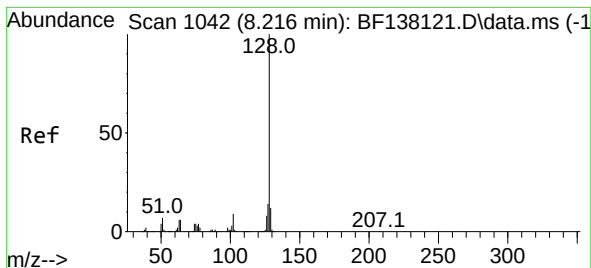
Tgt Ion: 82 Resp: 1910780
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 15.5 23.3#



#26
2-Nitrophenol
Concen: 5.098 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion: 139 Resp: 413
Ion Ratio Lower Upper
139 100
109 186.7 21.8 32.6#
65 872.2 40.1 60.1#





#31

Naphthalene

Concen: 25.971 ng

RT: 8.210 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

Instrument :

BNA_F

ClientSampleId :

MW-6A

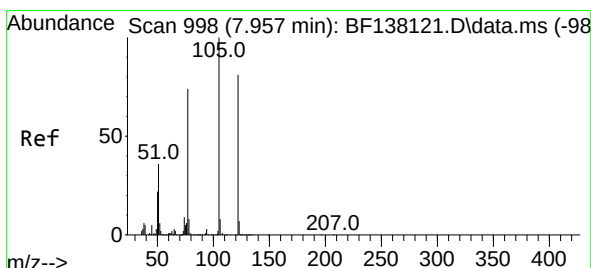
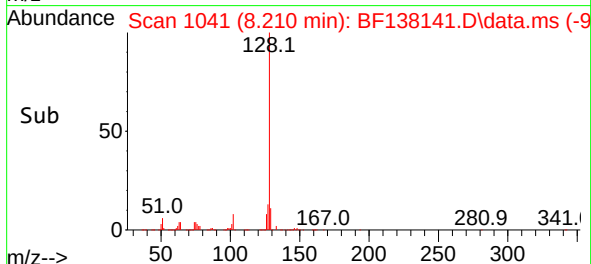
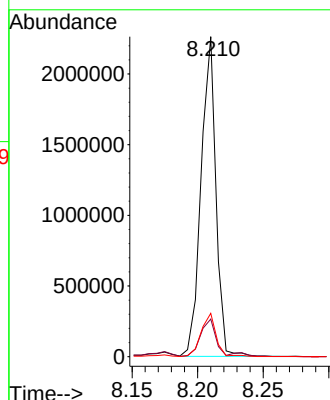
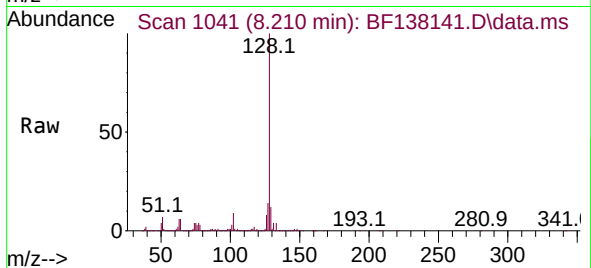
Tgt Ion:128 Resp: 1786767

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.0

127 13.6 11.2 16.8



#32

Benzoic acid

Concen: 9.142 ng

RT: 7.939 min Scan# 995

Delta R.T. -0.018 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

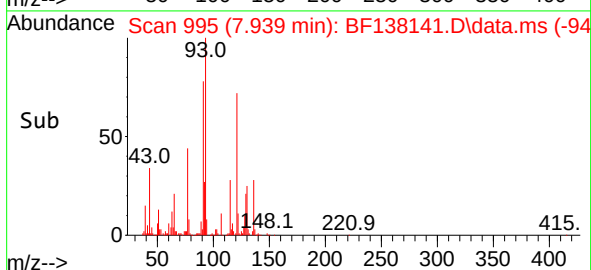
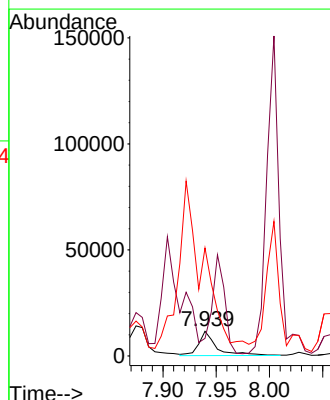
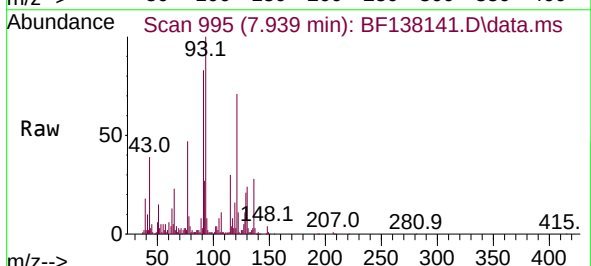
Tgt Ion:122 Resp: 13497

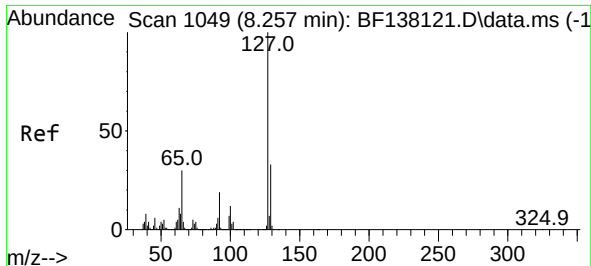
Ion Ratio Lower Upper

122 100

105 71.1 102.8 142.8#

77 437.9 71.2 111.2#

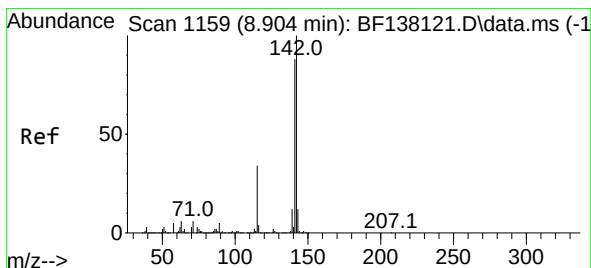
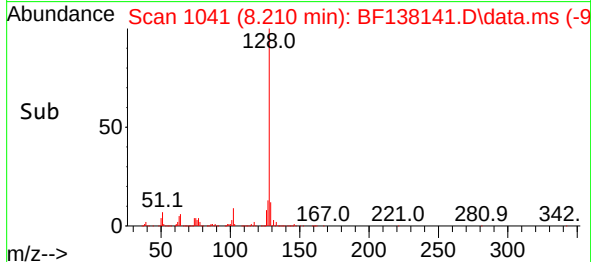
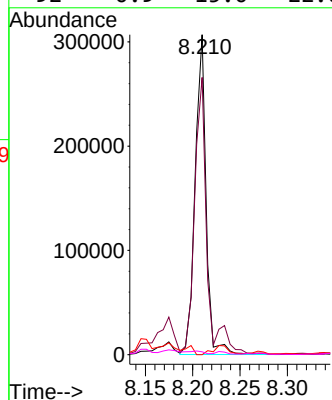
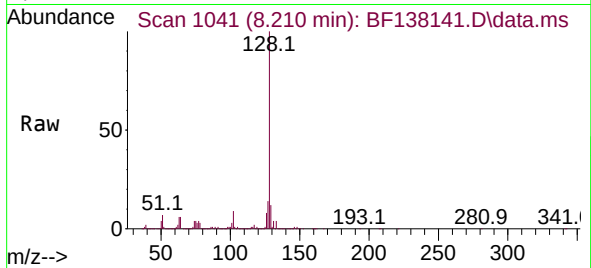




#33
4-Chloroaniline
Concen: 9.592 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.047 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

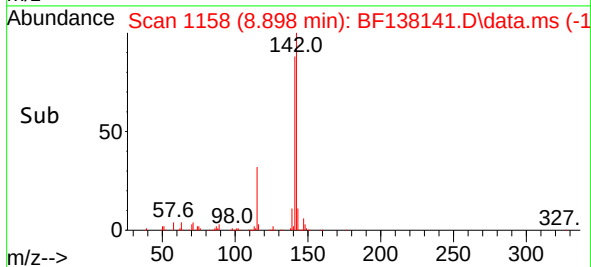
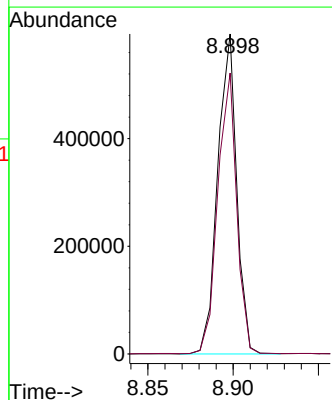
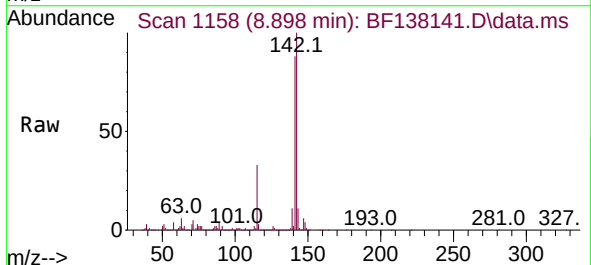
Instrument :
BNA_F
ClientSampleId :
MW-6A

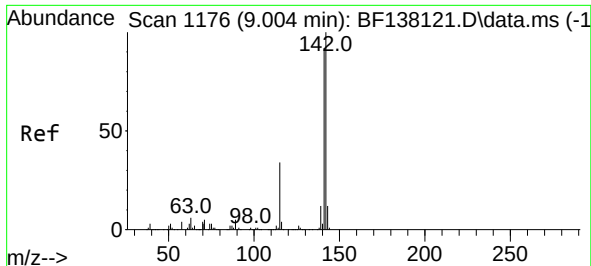
Tgt Ion:127 Resp: 248022
Ion Ratio Lower Upper
127 100
129 86.7 26.5 39.7#
65 0.0 24.0 36.0#
92 0.9 15.0 22.6#



#37
2-Methylnaphthalene
Concen: 9.905 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:142 Resp: 459372
Ion Ratio Lower Upper
142 100
141 87.8 70.5 105.7

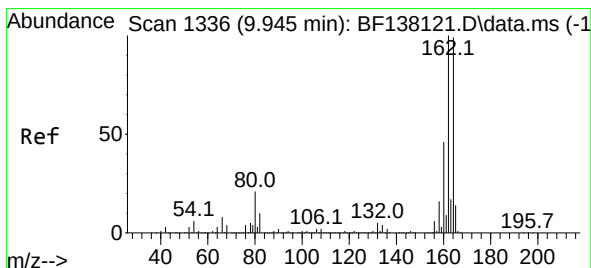
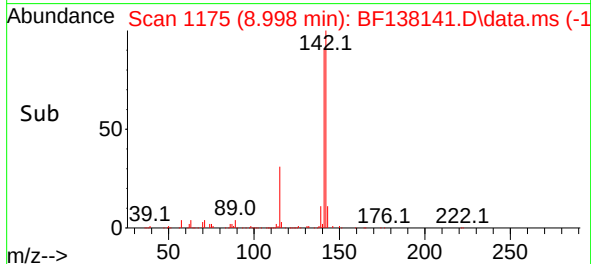
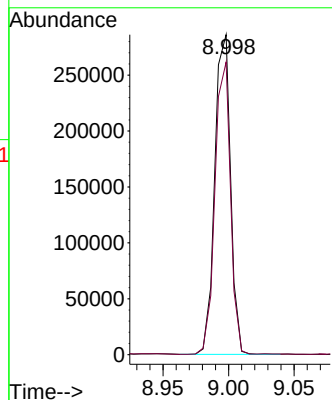
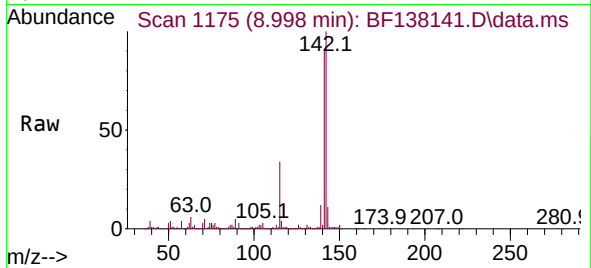




#38
1-Methylnaphthalene
Concen: 5.264 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

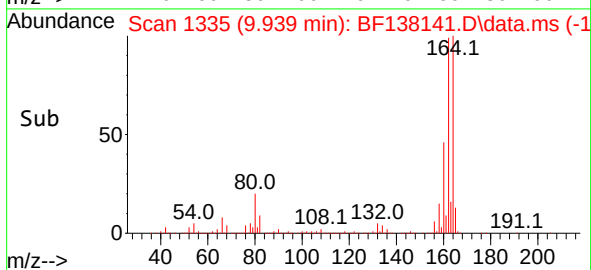
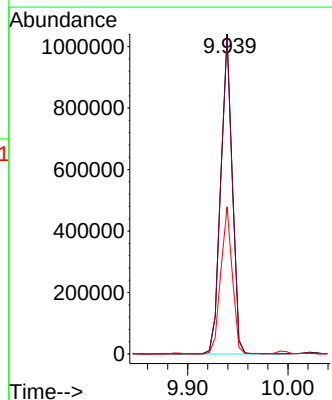
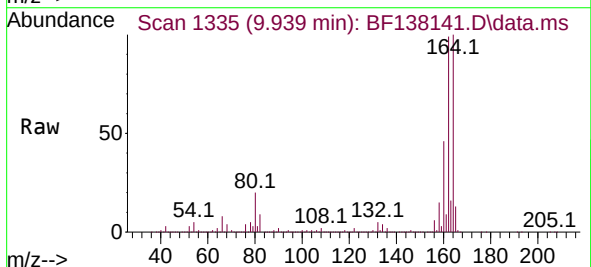
Instrument :
BNA_F
ClientSampleId :
MW-6A

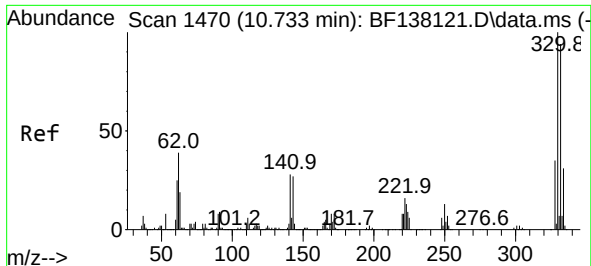
Tgt Ion:142 Resp: 239043
Ion Ratio Lower Upper
142 100
141 91.4 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:164 Resp: 824063
Ion Ratio Lower Upper
164 100
162 98.7 80.9 121.3
160 46.0 37.0 55.6

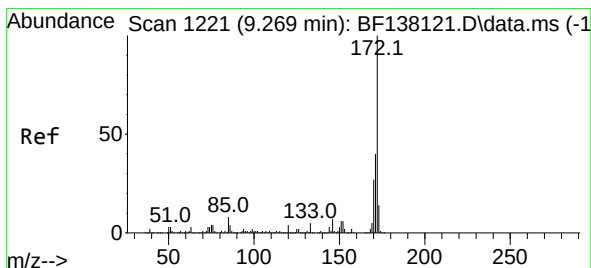
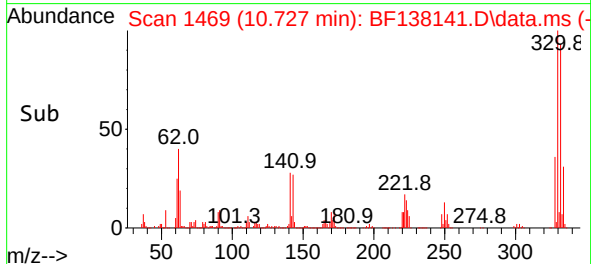
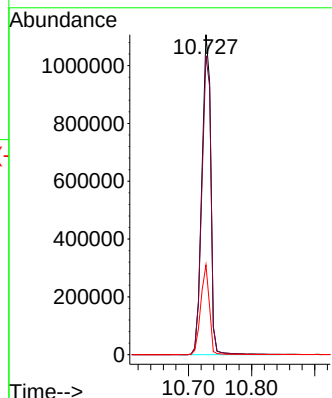
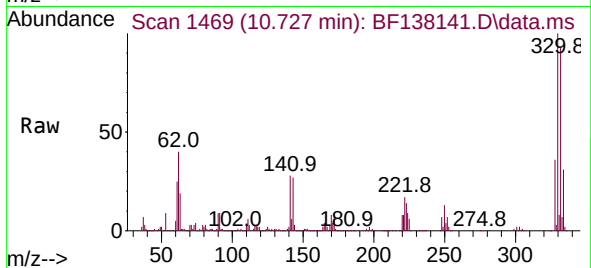




#42
2,4,6-Tribromophenol
Concen: 135.922 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

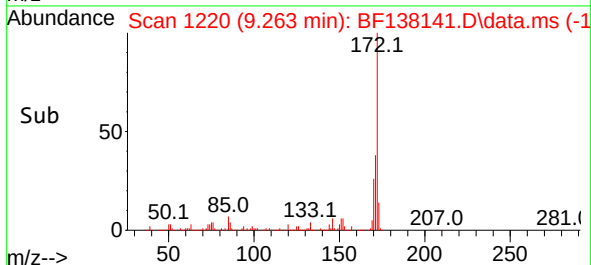
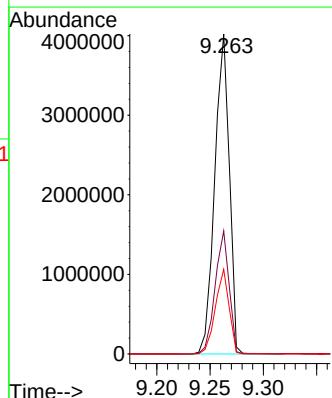
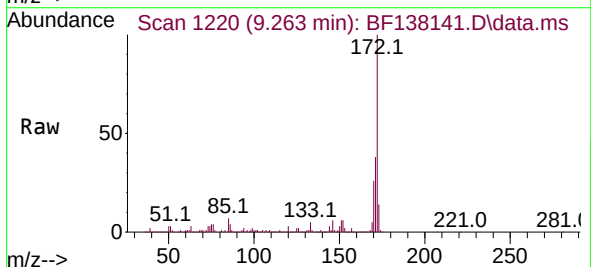
Instrument :
BNA_F
ClientSampleId :
MW-6A

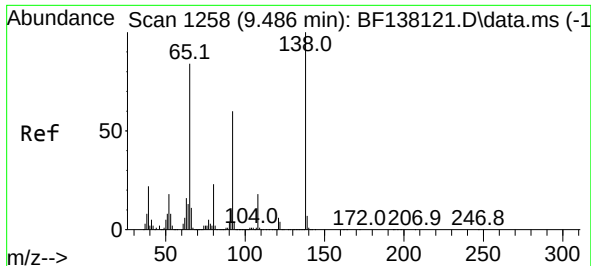
Tgt Ion:330 Resp: 1077940
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.8
141 27.2 23.2 34.8



#45
2-Fluorobiphenyl
Concen: 81.168 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:172 Resp: 3825329
Ion Ratio Lower Upper
172 100
171 38.5 31.6 47.4
170 26.4 21.4 32.2





#48

2-Nitroaniline

Concen: 4.880 ng

RT: 9.451 min Scan# 1

Delta R.T. -0.035 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

Instrument :

BNA_F

ClientSampleId :

MW-6A

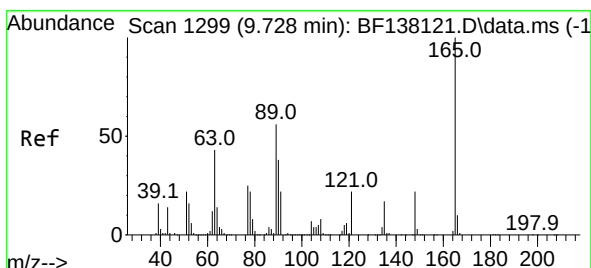
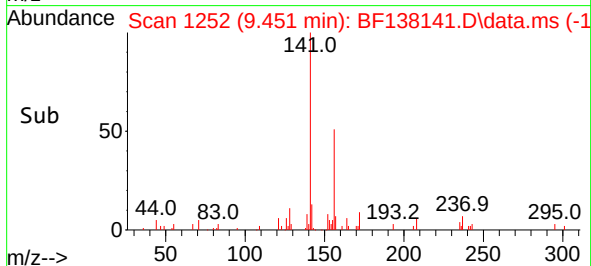
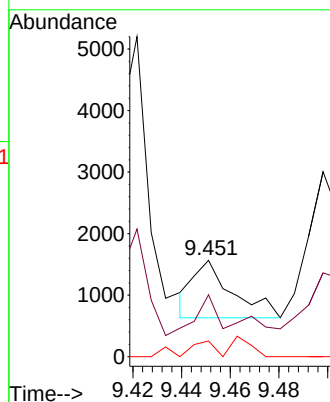
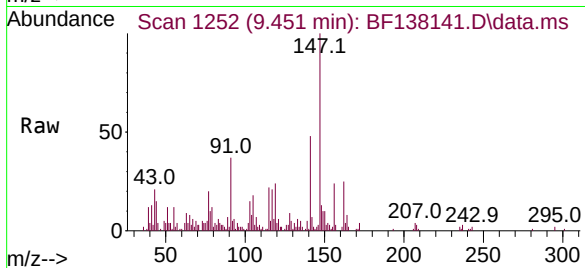
Tgt Ion: 65 Resp: 1055

Ion Ratio Lower Upper

65 100

92 64.2 57.3 85.9

138 16.2 95.4 143.2#



#51

2,6-Dinitrotoluene

Concen: 12.520 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.211 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

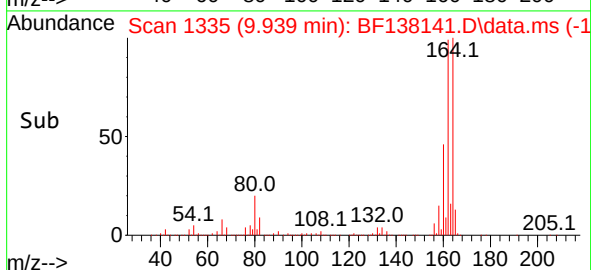
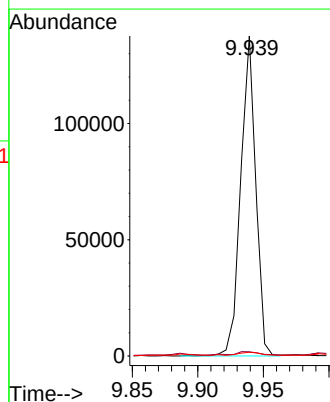
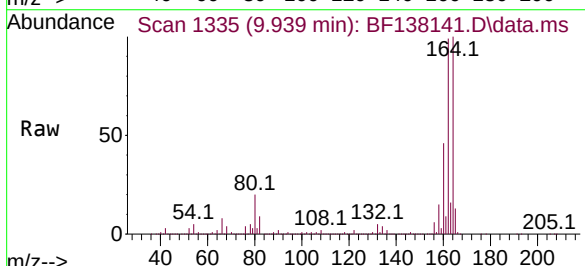
Tgt Ion:165 Resp: 110279

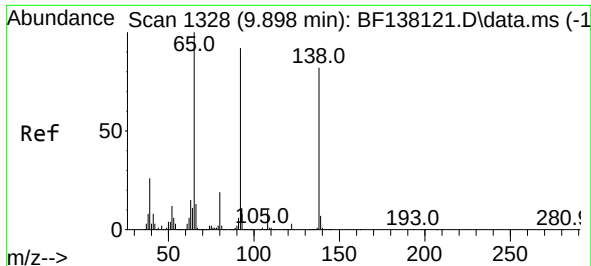
Ion Ratio Lower Upper

165 100

63 1.3 42.9 64.3#

89 1.2 45.0 67.4#

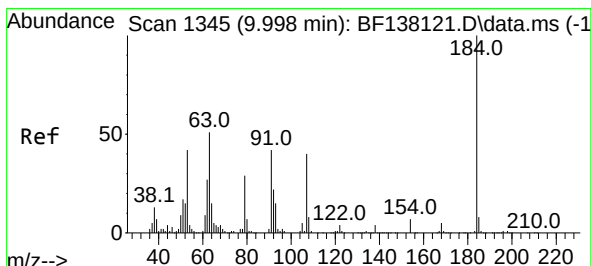
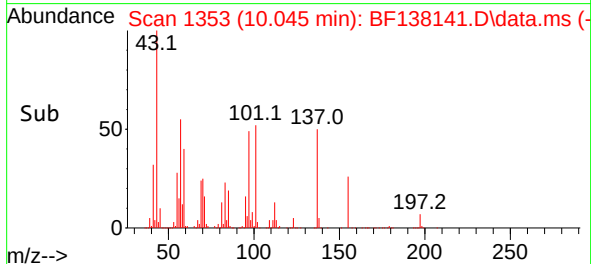
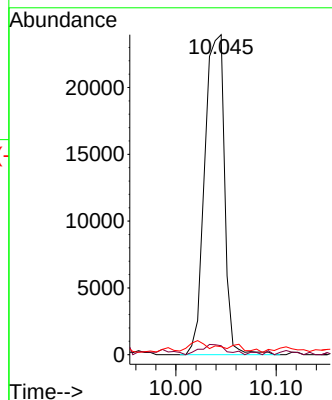
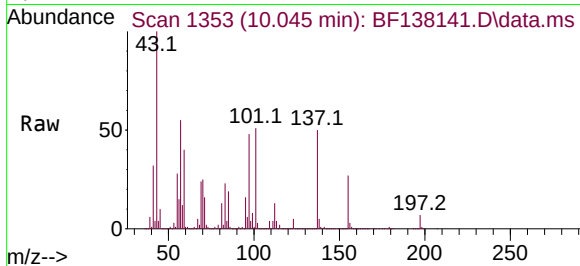




#53
3-Nitroaniline
Concen: 5.694 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.147 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

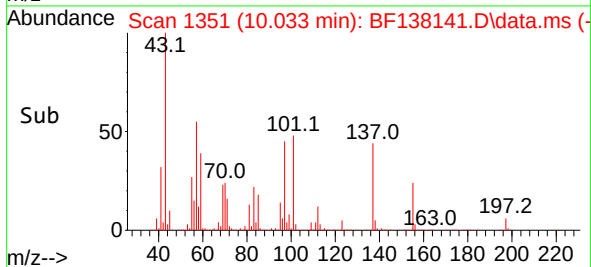
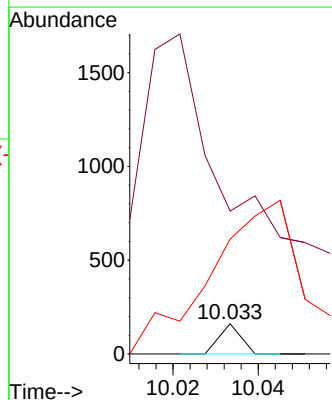
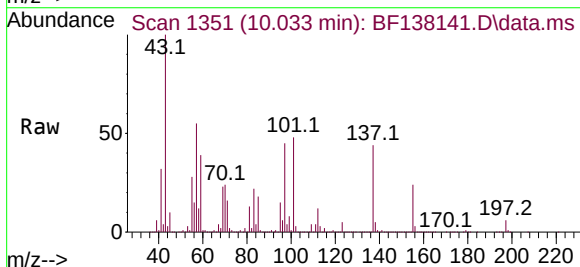
Instrument :
BNA_F
ClientSampleId :
MW-6A

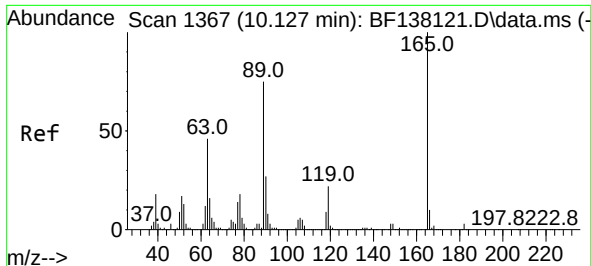
Tgt Ion:138 Resp: 32945
Ion Ratio Lower Upper
138 100
108 2.8 10.3 15.5#
92 2.5 89.5 134.3#



#54
2,4-Dinitrophenol
Concen: 5.948 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.035 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 473.3 45.4 68.0#
154 380.7 46.0 69.0#

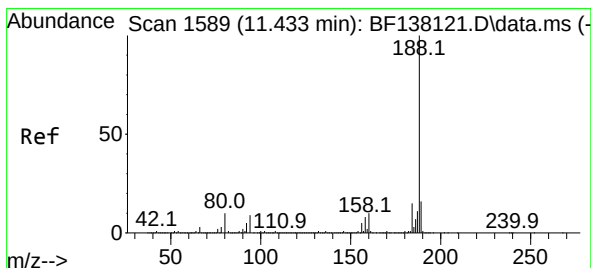
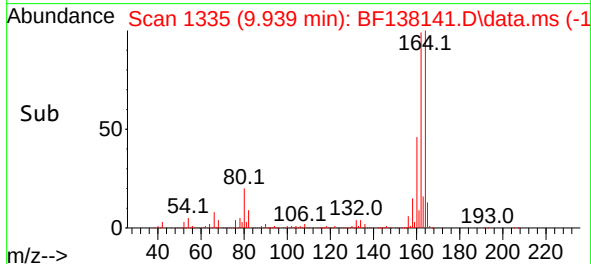
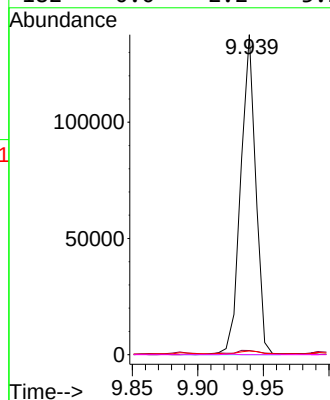
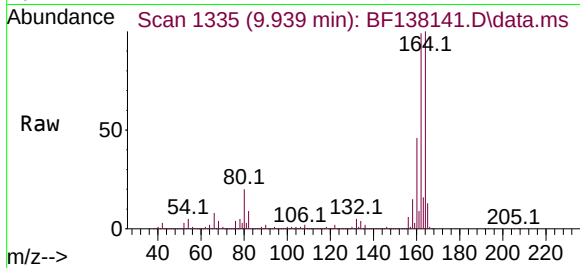




#57
2,4-Dinitrotoluene
Concen: 11.378 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

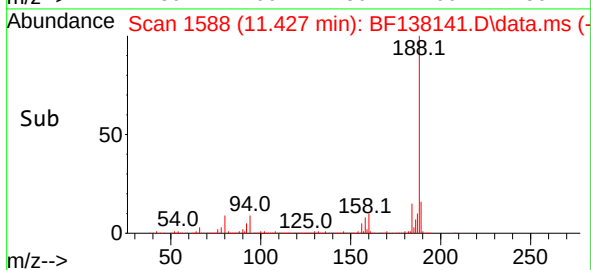
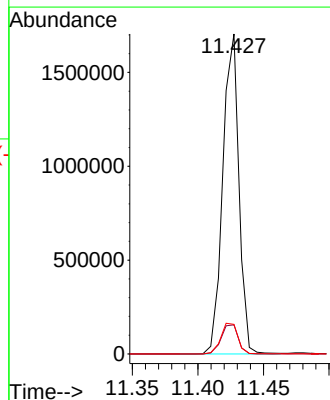
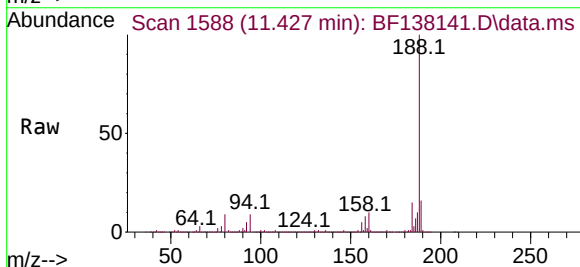
Instrument :
BNA_F
ClientSampleId :
MW-6A

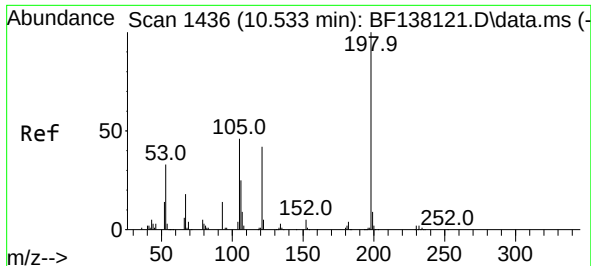
Tgt Ion:165 Resp: 110279
Ion Ratio Lower Upper
165 100
63 1.3 36.8 55.2#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:188 Resp: 1451867
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.3 7.7 11.5

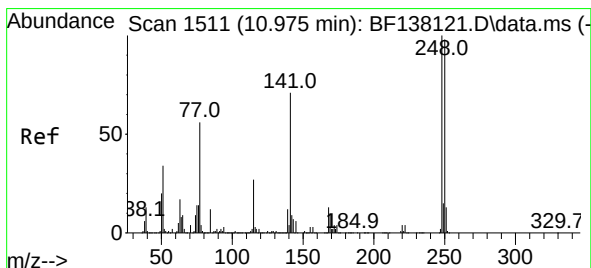
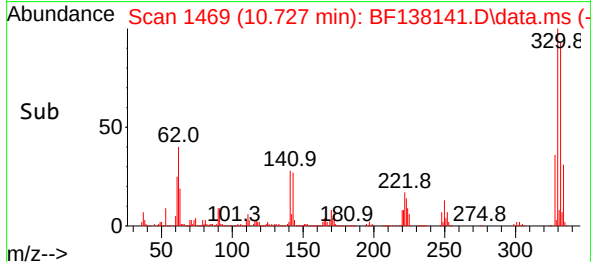
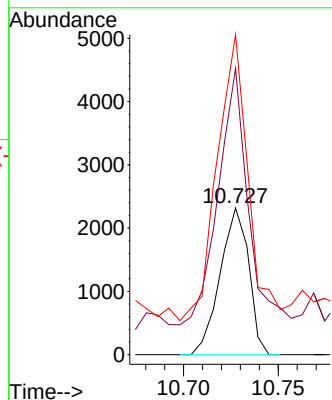
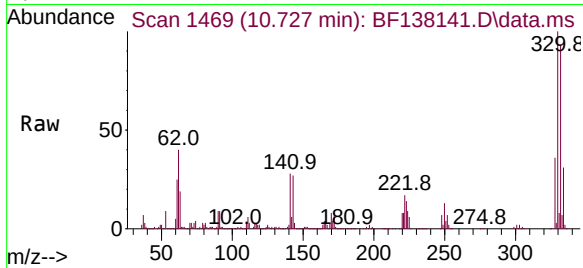




#65
4,6-Dinitro-2-methylphenol
Concen: 8.852 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

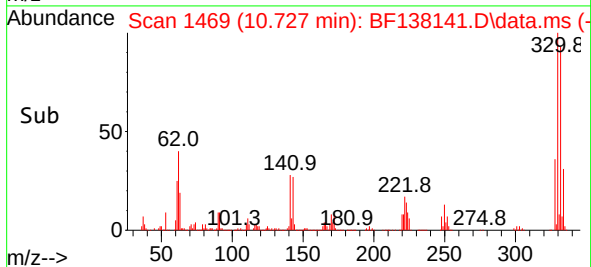
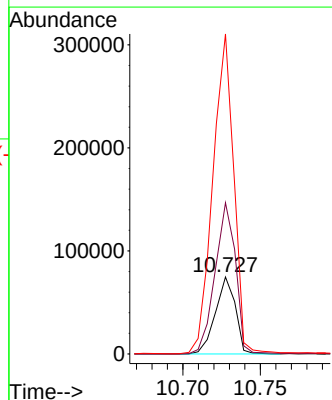
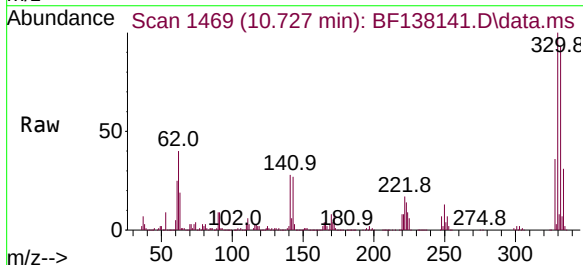
Instrument :
BNA_F
ClientSampleId :
MW-6A

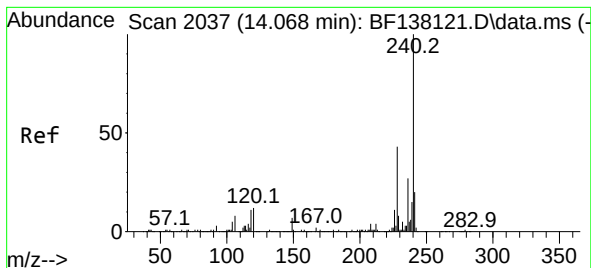
Tgt Ion:198 Resp: 2432
Ion Ratio Lower Upper
198 100
51 195.2 28.2 68.2#
105 218.2 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 4.048 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138141.D
Acq: 06 Jun 2024 19:15

Tgt Ion:248 Resp: 66917
Ion Ratio Lower Upper
248 100
250 196.3 78.7 118.1#
141 415.5 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: BF138141.D

Acq: 06 Jun 2024 19:15

Instrument :

BNA_F

ClientSampleId :

MW-6A

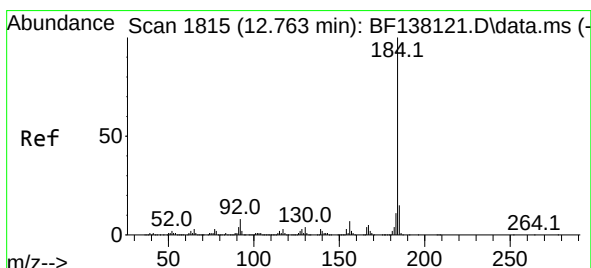
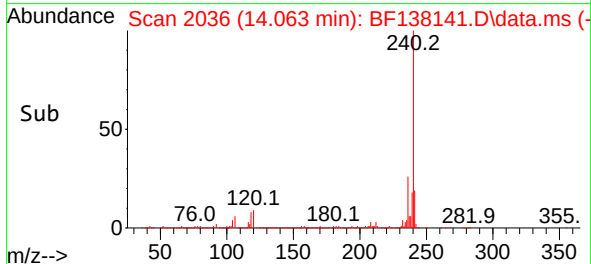
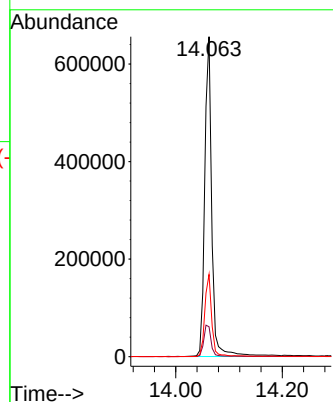
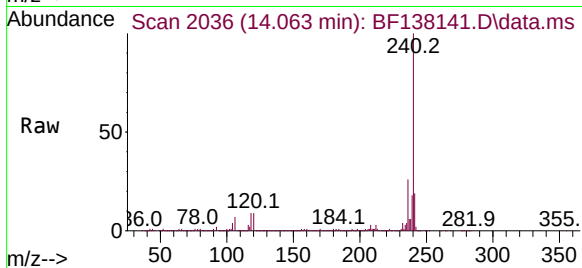
Tgt Ion:240 Resp: 602847

Ion Ratio Lower Upper

240 100

120 9.4 9.8 14.8#

236 25.7 21.2 31.8



#77

Benzidine

Concen: 7.798 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.253 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

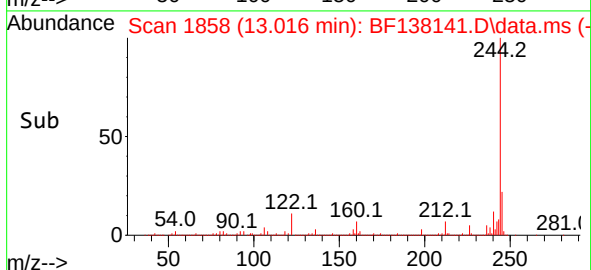
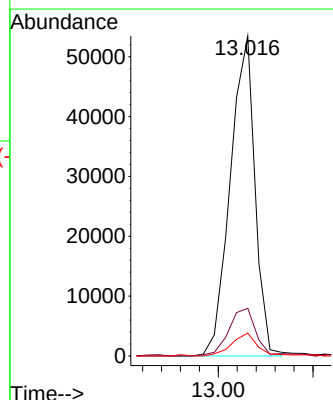
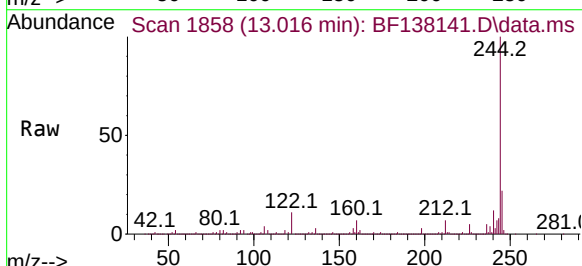
Tgt Ion:184 Resp: 48375

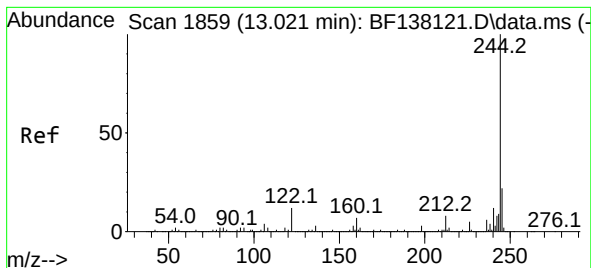
Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

183 7.2 9.0 13.4#





#79

Terphenyl-d14

Concen: 94.622 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

Instrument :

BNA_F

ClientSampleId :

MW-6A

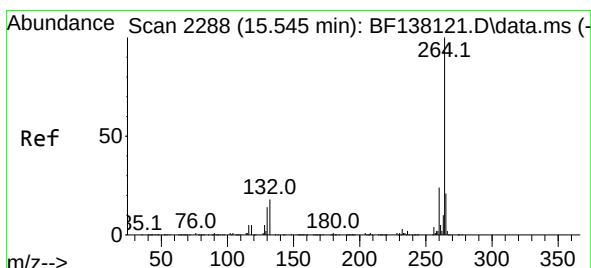
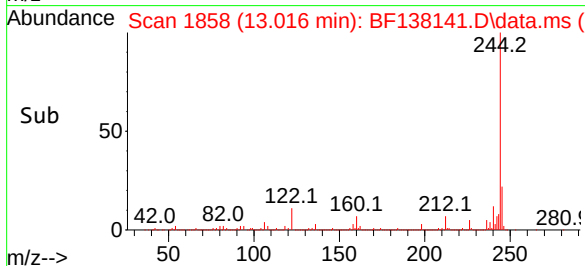
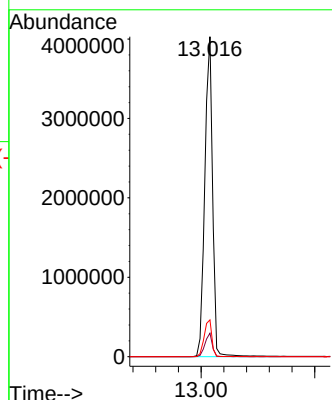
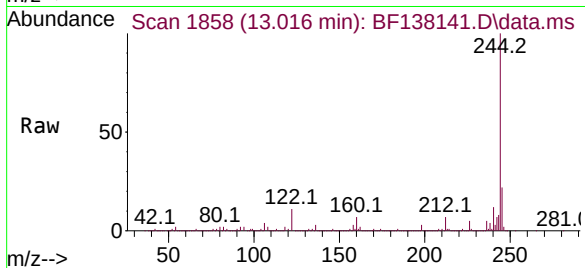
Tgt Ion:244 Resp: 3813689

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

122 11.5 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

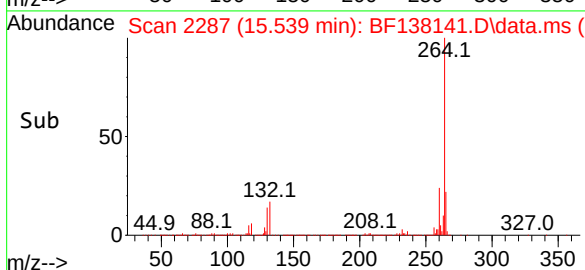
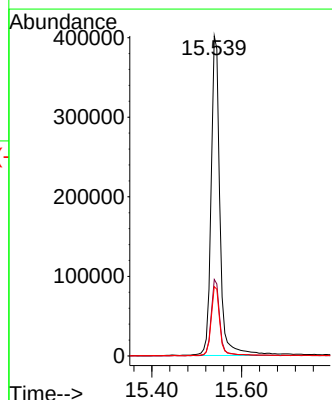
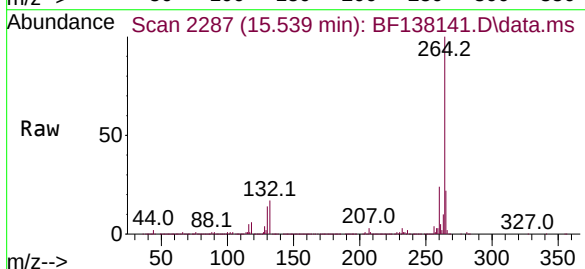
Tgt Ion:264 Resp: 550354

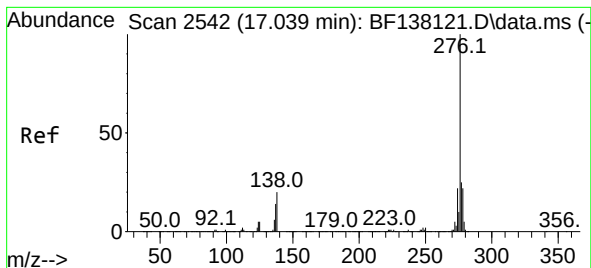
Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.020 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

Instrument :

BNA_F

ClientSampleId :

MW-6A

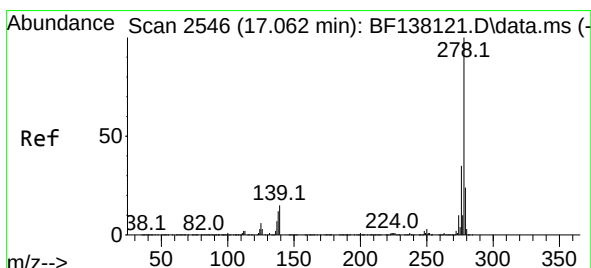
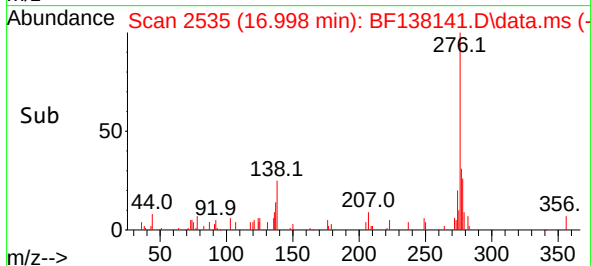
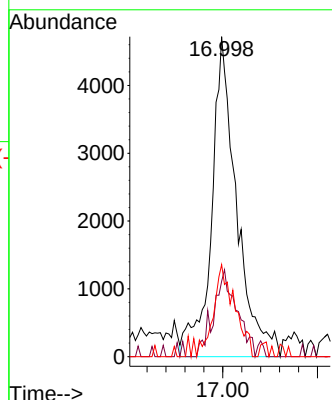
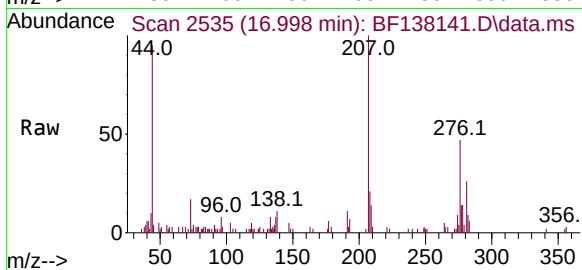
Tgt Ion:276 Resp: 17359

Ion Ratio Lower Upper

276 100

138 25.0 18.9 28.3

277 24.4 20.3 30.5



#91

Dibenzo(a,h)anthracene

Concen: 4.226 ng

RT: 17.027 min Scan# 2540

Delta R.T. -0.035 min

Lab File: BF138141.D

Acq: 06 Jun 2024 19:15

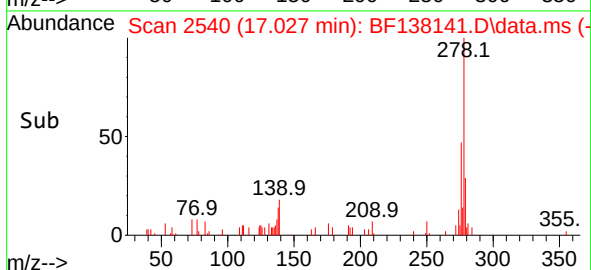
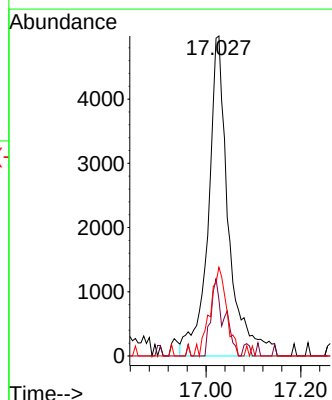
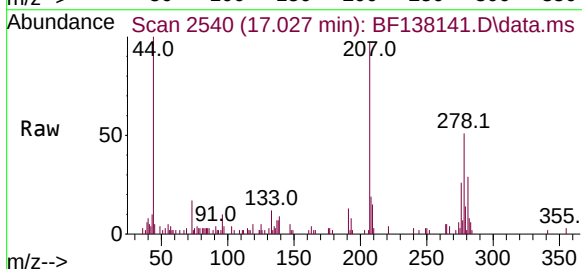
Tgt Ion:278 Resp: 14802

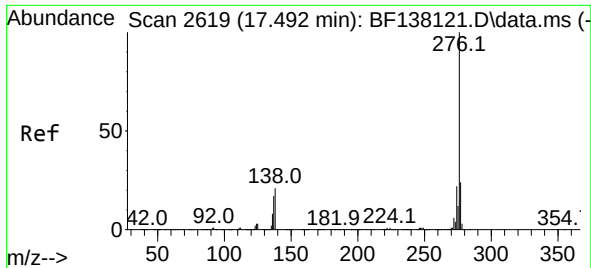
Ion Ratio Lower Upper

278 100

139 17.6 11.7 17.5#

279 27.7 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.347 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.047 min
 Lab File: BF138141.D
 Acq: 06 Jun 2024 19:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-6A

Tgt Ion:	276	Resp:	9623
Ion Ratio	Lower	Upper	
276	100		
277	22.0	19.0	28.4
138	18.6	16.5	24.7

