

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031824\
 Data File : BF137638.D
 Acq On : 18 Mar 2024 18:34
 Operator : CG\JU
 Sample : P1784-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Mar 18 18:59:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

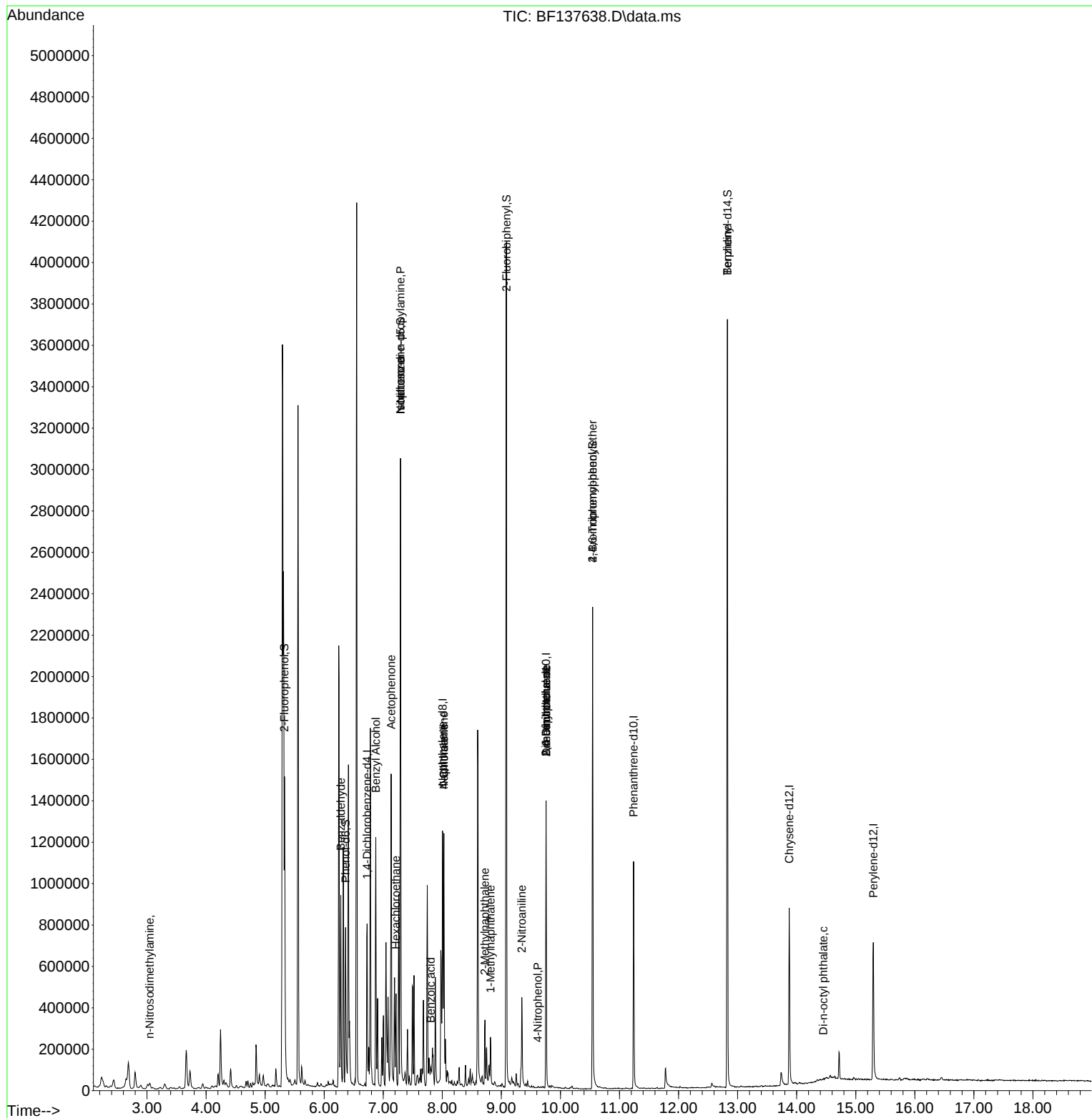
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	124092	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	477357	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	258969	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	396416	20.000	ng	0.00
76) Chrysene-d12	13.874	240	295273	20.000	ng	0.00
86) Perylene-d12	15.298	264	308583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	412043	50.290	ng	0.00
7) Phenol-d6	6.363	99	324411	27.430	ng	0.00
23) Nitrobenzene-d5	7.292	82	787304	76.633	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	260275	114.447	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1342319	81.138	ng	0.00
79) Terphenyl-d14	12.827	244	1265262	58.924	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.046	42	2396	4.312	ng	# 1
9) Benzaldehyde	6.281	77	37840	6.531	ng	# 1
15) Benzyl Alcohol	6.875	79	19142	2.600	ng	# 46
18) Hexachloroethane	7.216	117	9313	2.994	ng	# 1
19) n-Nitroso-di-n-propyla...	7.292	70	103558	14.180	ng	# 80
22) Acetophenone	7.133	105	479857	41.547	ng	# 86
25) Isophorone	7.292	82	787304	40.337	ng	# 69
31) Naphthalene	8.028	128	406540	15.873	ng	100
32) Benzoic acid	7.804	122	2041	6.701	ng	# 1
33) 4-Chloroaniline	8.028	127	54170	5.394	ng	# 36
37) 2-Methylnaphthalene	8.722	142	83357	5.105	ng	99
38) 1-Methylnaphthalene	8.816	142	52690	3.427	ng	99
48) 2-Nitroaniline	9.345	65	10327	2.102	ng	# 18
50) Dimethylphthalate	9.757	163	38493	2.135	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	32151	8.527	ng	# 20
56) 4-Nitrophenol	9.616	139	62	4.547	ng	# 59
57) 2,4-Dinitrotoluene	9.757	165	32266	6.965	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	17254	3.996	ng	# 1
77) Benzidine	12.827	184	14687	2.033	ng	# 93
85) Di-n-octyl phthalate	14.451	149	1266	5.669	ng	# 81

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

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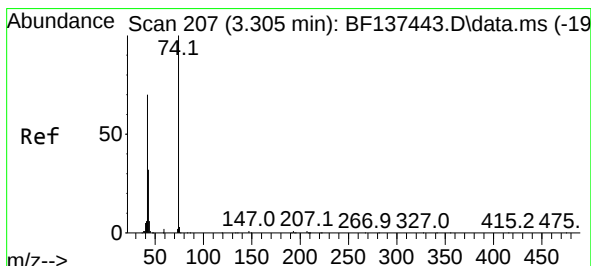
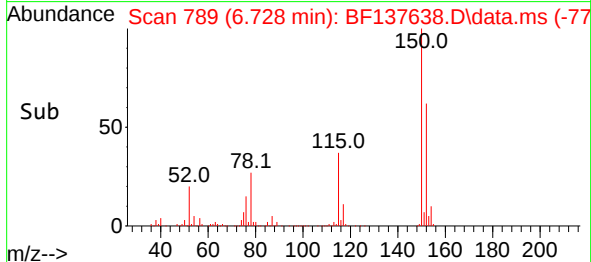
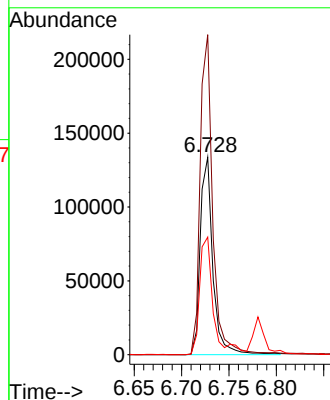
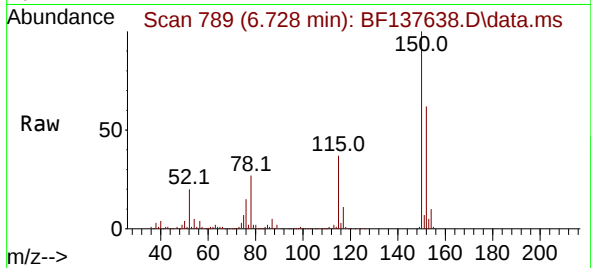




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

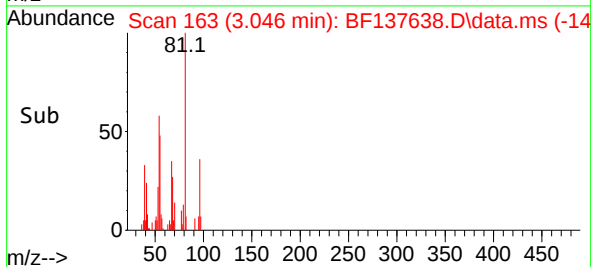
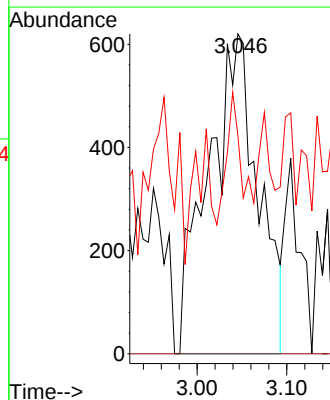
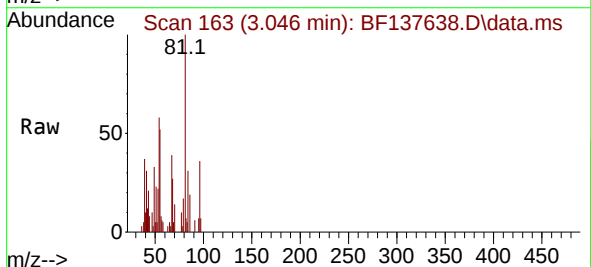
Instrument :
BNA_F
ClientSampleId :
MW-3

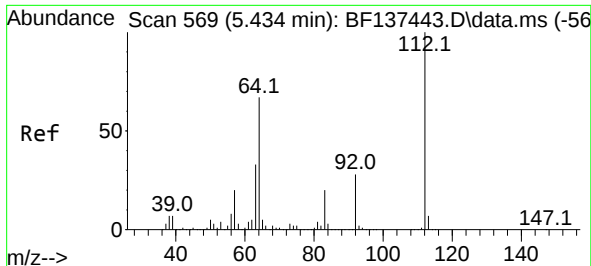
Tgt Ion:152 Resp: 124092
Ion Ratio Lower Upper
152 100
150 162.0 125.8 188.6
115 59.5 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 4.312 ng
RT: 3.046 min Scan# 163
Delta R.T. 0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion: 42 Resp: 2396
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 68.1 7.0 10.4#

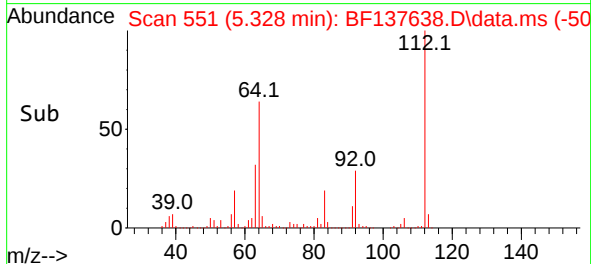
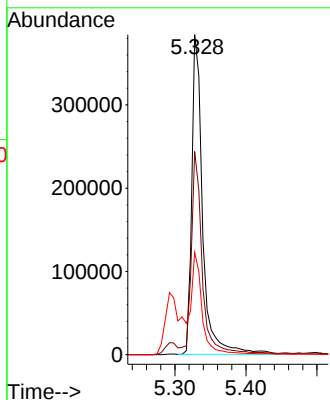
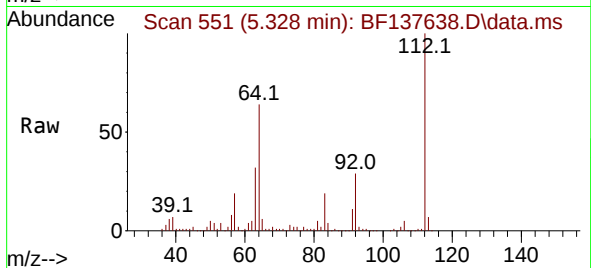




#5
2-Fluorophenol
Concen: 50.290 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

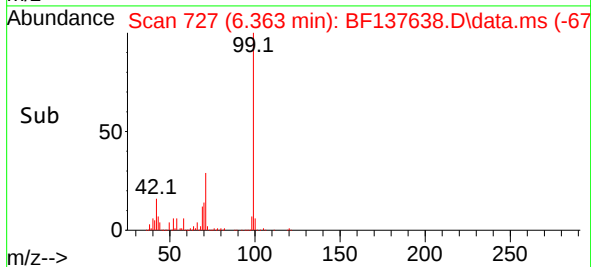
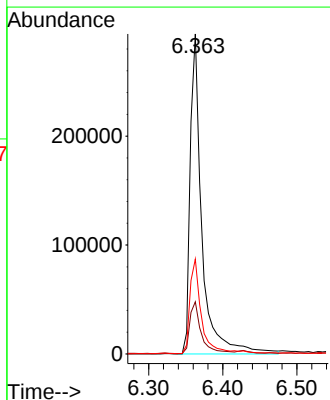
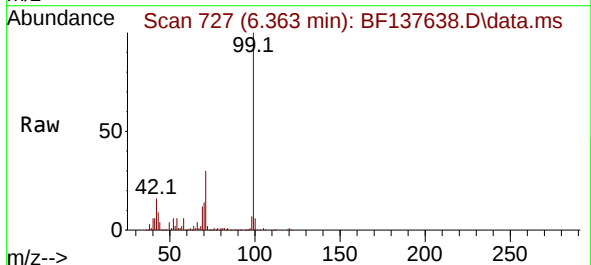
Instrument :
BNA_F
ClientSampleId :
MW-3

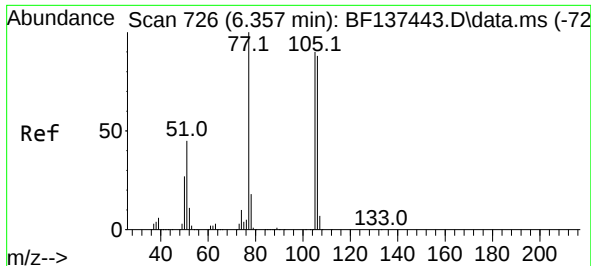
Tgt Ion:112 Resp: 412043
Ion Ratio Lower Upper
112 100
64 63.5 53.4 80.2
63 31.9 26.2 39.2



#7
Phenol-d6
Concen: 27.430 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion: 99 Resp: 324411
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 29.6 25.3 37.9





#9

Benzaldehyde

Concen: 6.531 ng

RT: 6.281 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Instrument :

BNA_F

ClientSampleId :

MW-3

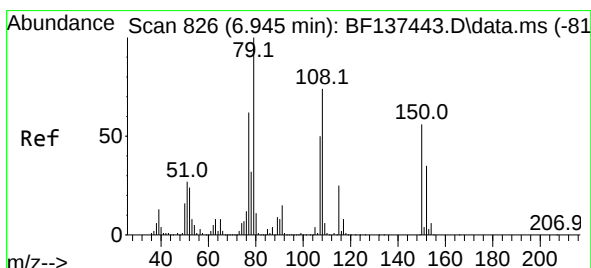
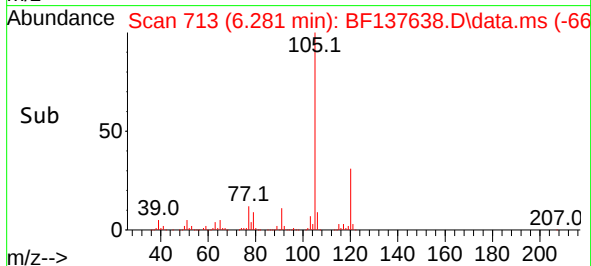
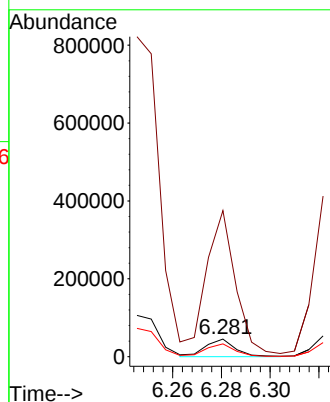
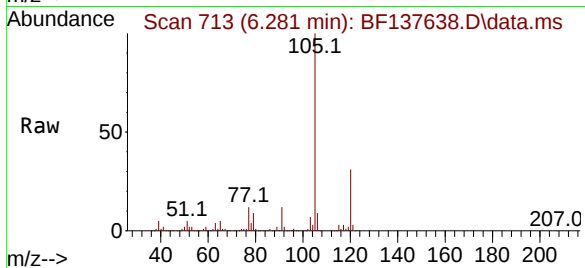
Tgt Ion: 77 Resp: 37840

Ion Ratio Lower Upper

77 100

105 828.3 69.8 109.8#

106 72.2 67.8 107.8



#15

Benzyl Alcohol

Concen: 2.600 ng

RT: 6.875 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

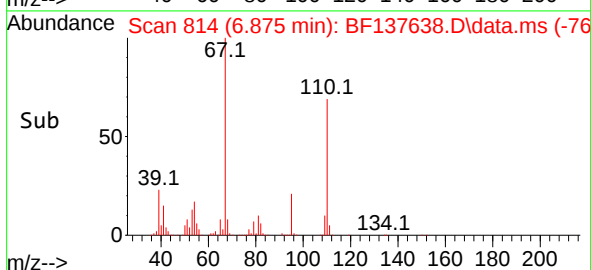
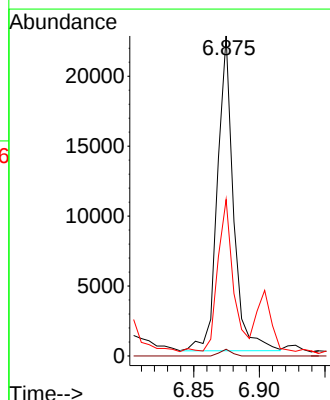
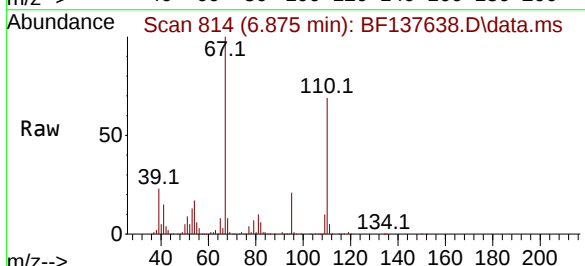
Tgt Ion: 79 Resp: 19142

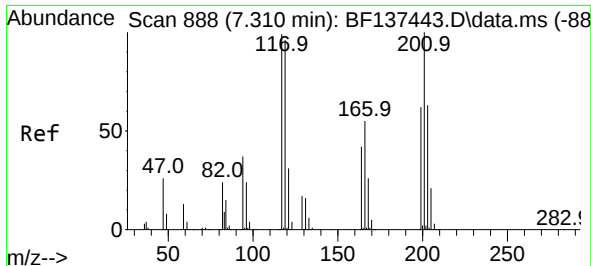
Ion Ratio Lower Upper

79 100

108 2.1 59.5 89.3#

77 48.9 50.0 75.0#

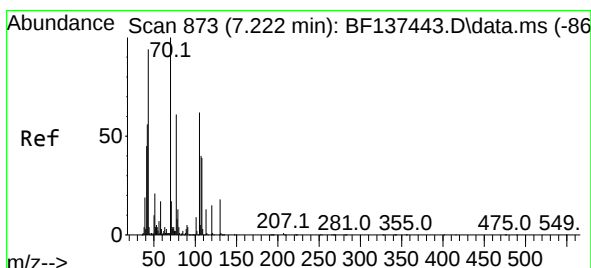
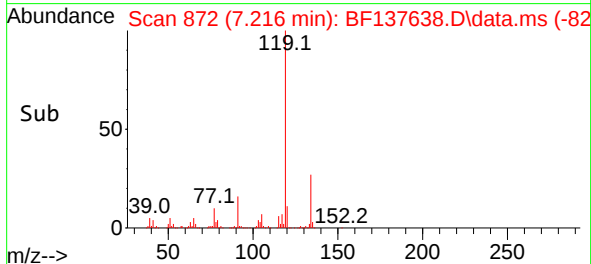
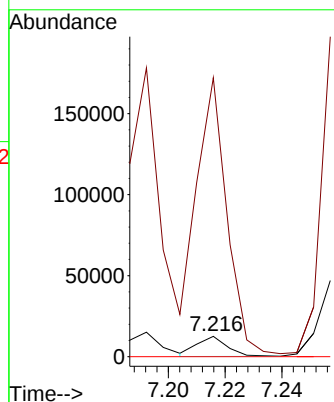
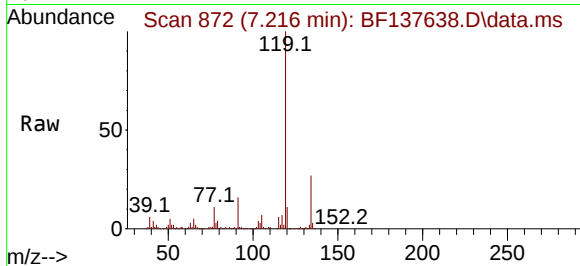




#18
Hexachloroethane
Concen: 2.994 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

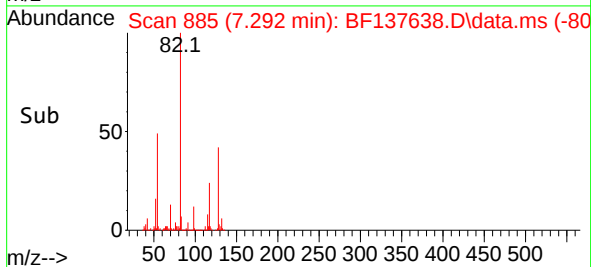
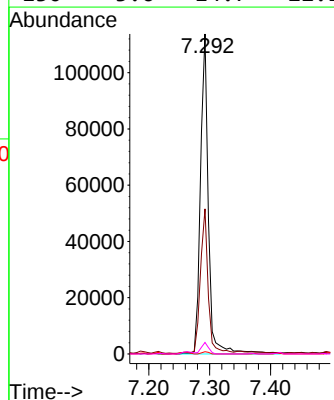
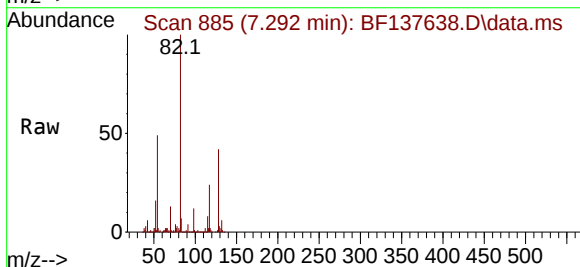
Instrument :
BNA_F
ClientSampleId :
MW-3

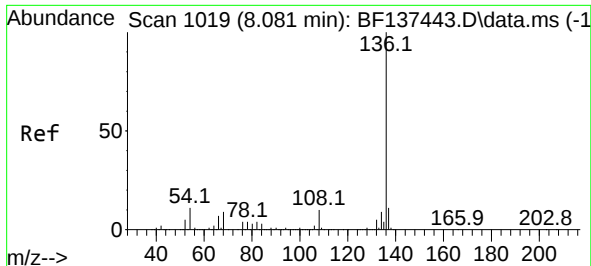
Tgt Ion:117 Resp: 9313
Ion Ratio Lower Upper
117 100
119 1368.5 77.5 116.3#
201 0.0 80.6 121.0#



#19
n-Nitroso-di-n-propylamine
Concen: 14.180 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.147 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion: 70 Resp: 103558
Ion Ratio Lower Upper
70 100
42 45.3 45.2 67.8
101 0.7 7.3 10.9#
130 3.6 14.7 22.1#



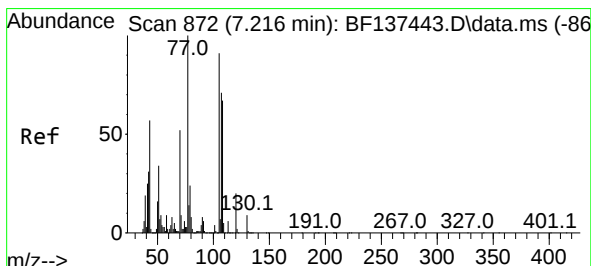
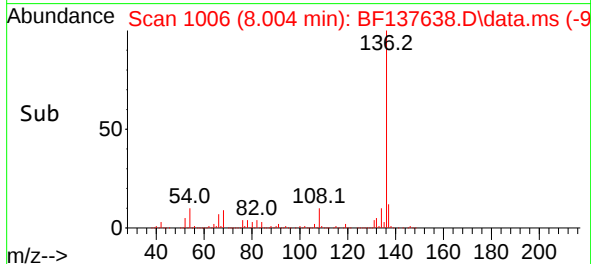
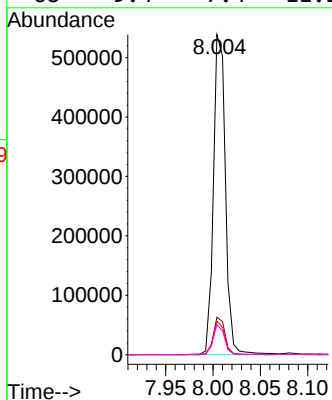
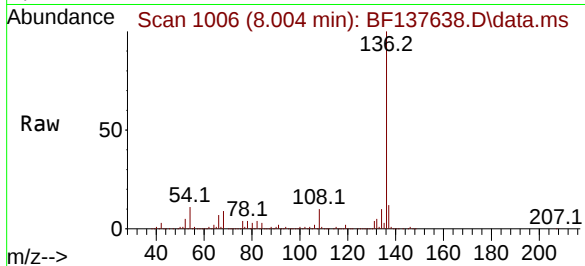


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Instrument :
BNA_F
ClientSampleId :
MW-3

Tgt Ion:136 Resp: 477357

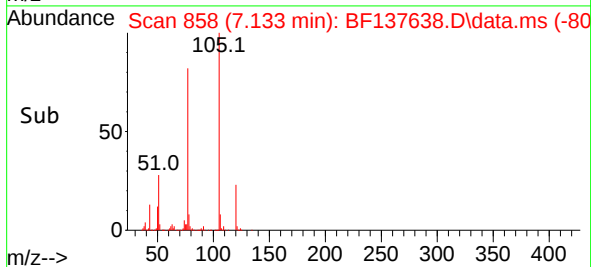
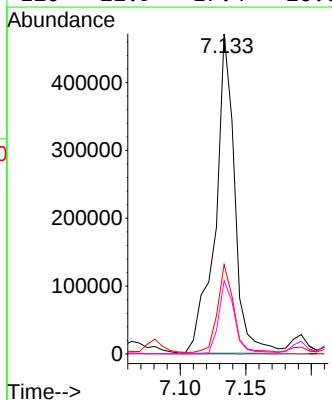
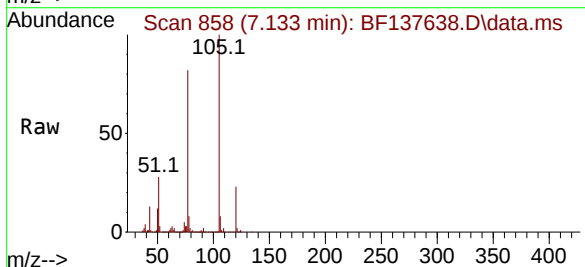
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	10.5	8.5	12.7
68	9.4	7.4	11.2

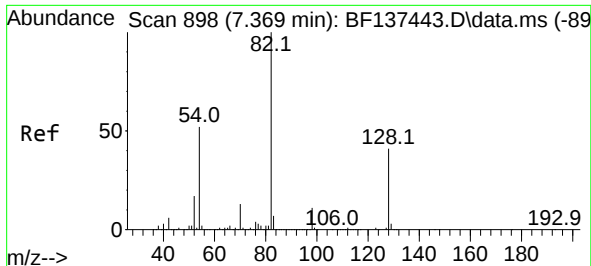


#22
Acetophenone
Concen: 41.547 ng
RT: 7.133 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion:105 Resp: 479857

Ion	Ratio	Lower	Upper
105	100		
71	0.1	7.7	11.5#
51	28.0	30.4	45.6#
120	22.9	17.4	26.0





#23

Nitrobenzene-d5

Concen: 76.633 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Instrument :

BNA_F

ClientSampleId :

MW-3

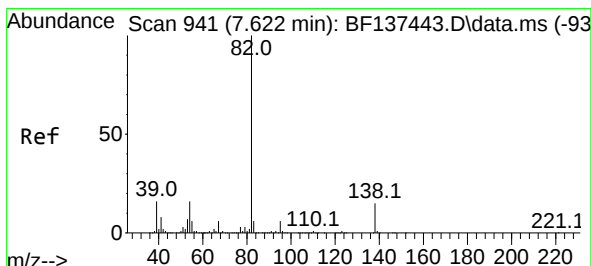
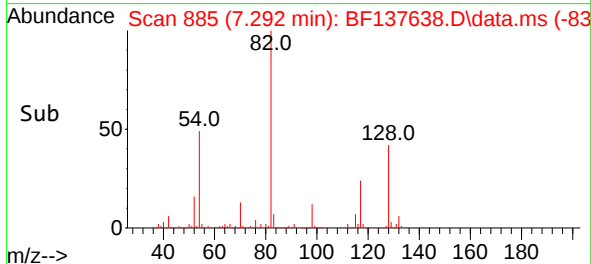
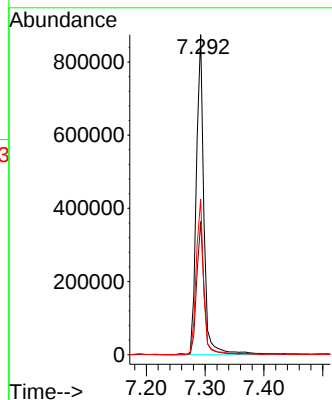
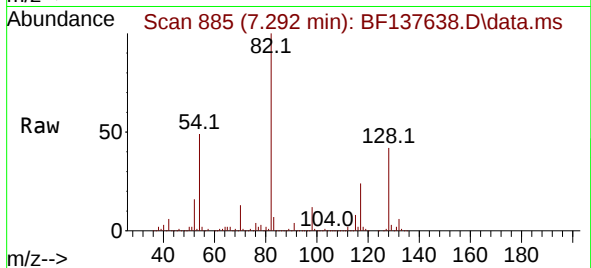
Tgt Ion: 82 Resp: 787304

Ion Ratio Lower Upper

82 100

128 41.6 32.5 48.7

54 48.6 41.5 62.3



#25

Isophorone

Concen: 40.337 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.259 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

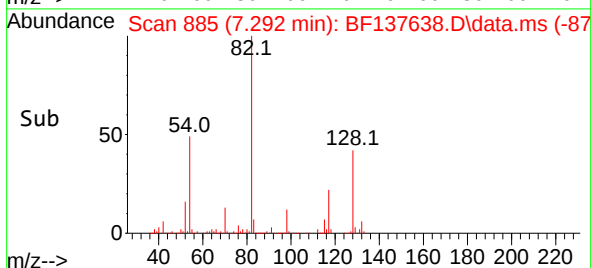
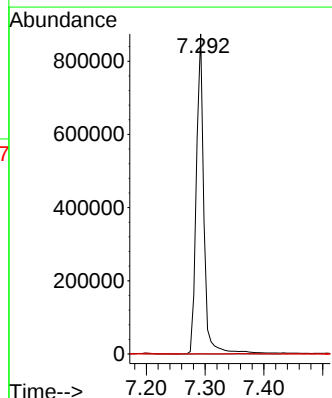
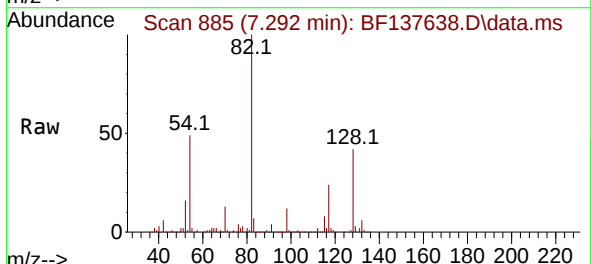
Tgt Ion: 82 Resp: 787304

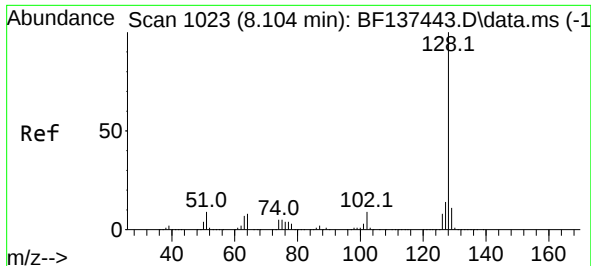
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

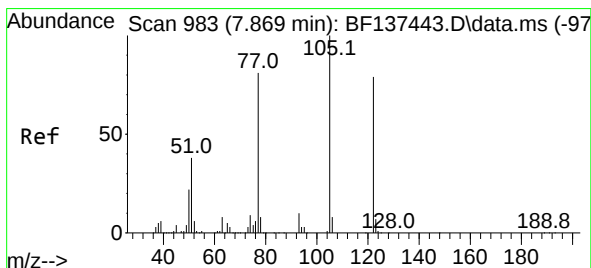
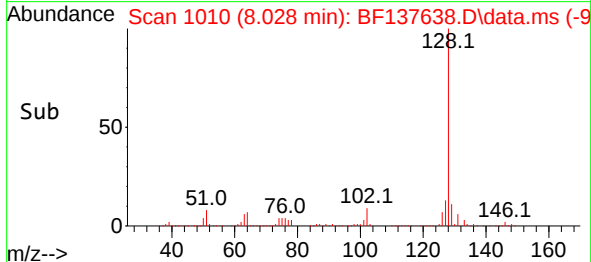
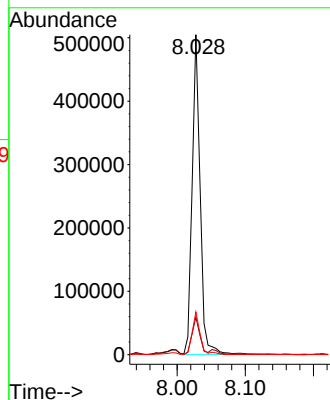
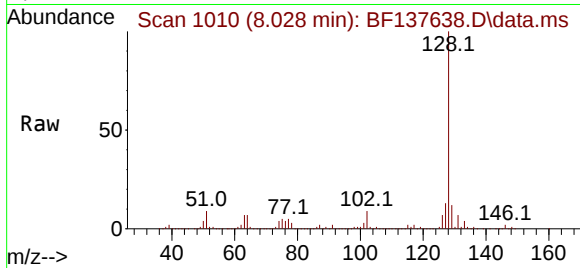




#31
Naphthalene
Concen: 15.873 ng
RT: 8.028 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

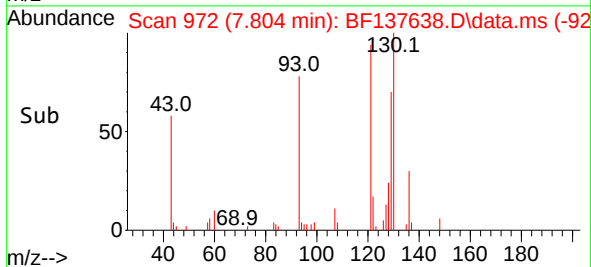
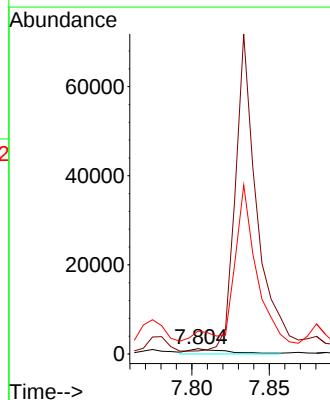
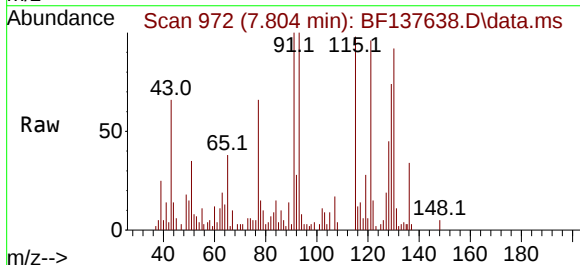
Instrument :
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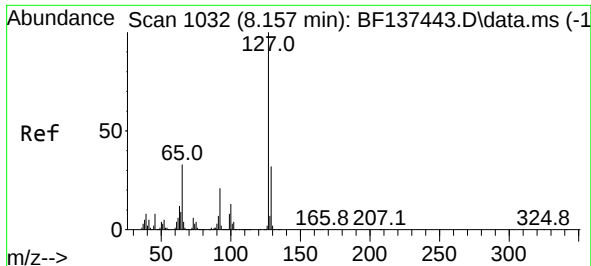
Tgt Ion:128 Resp: 406540
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.3 10.8 16.2



#32
Benzoic acid
Concen: 6.701 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion:122 Resp: 2041
Ion Ratio Lower Upper
122 100
105 56.0 102.4 142.4#
77 426.9 81.1 121.1#

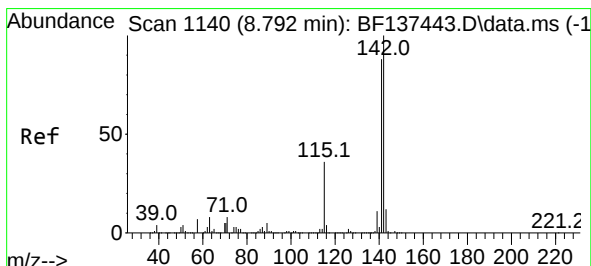
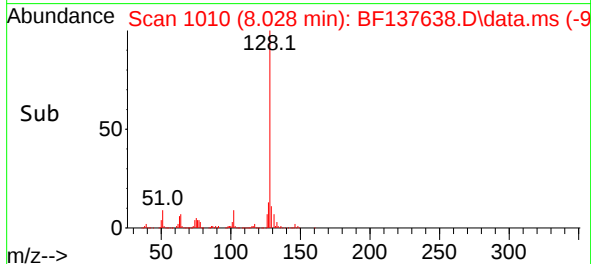
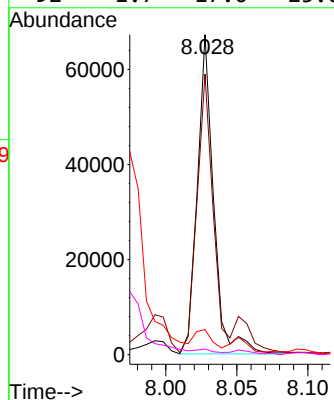
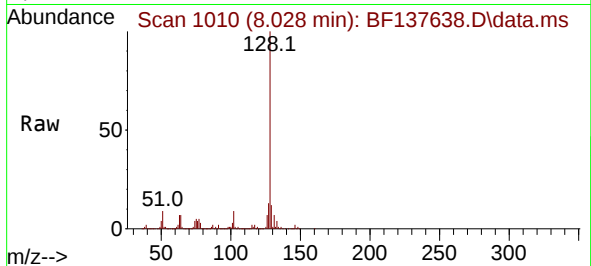




#33
4-Chloroaniline
Concen: 5.394 ng
RT: 8.028 min Scan# 1128
Delta R.T. -0.059 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

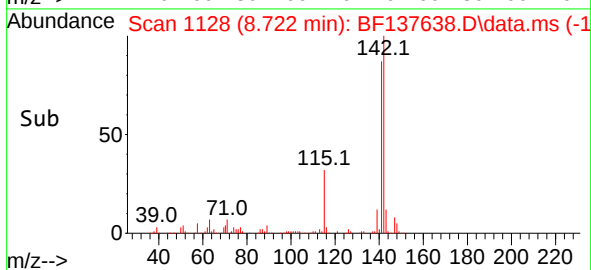
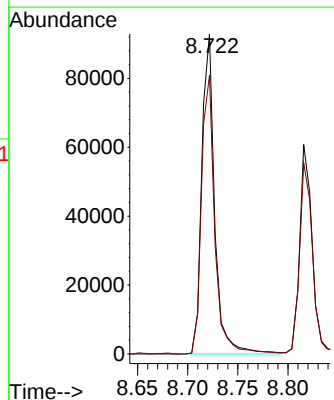
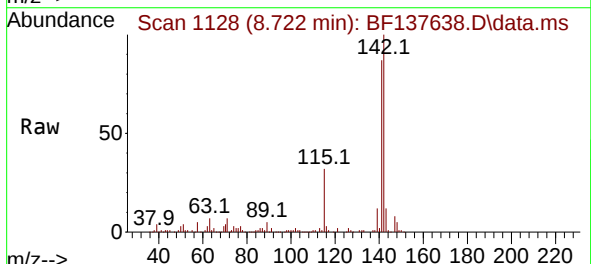
Instrument :
BNA_F
ClientSampleId :
MW-3

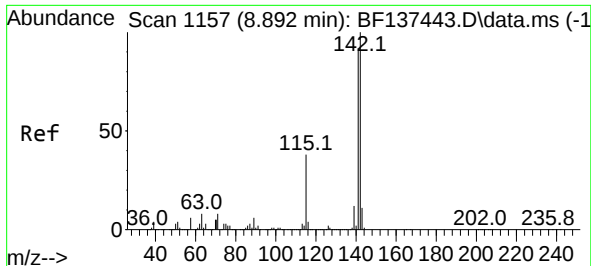
Tgt Ion:127	Resp:	54170
Ion Ratio	Lower	Upper
127	100	
129	87.7	26.0 39.0#
65	7.8	26.8 40.2#
92	1.7	17.0 25.6#



#37
2-Methylnaphthalene
Concen: 5.105 ng
RT: 8.722 min Scan# 1128
Delta R.T. -0.000 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion:142	Resp:	83357
Ion Ratio	Lower	Upper
142	100	
141	87.1	70.4 105.6

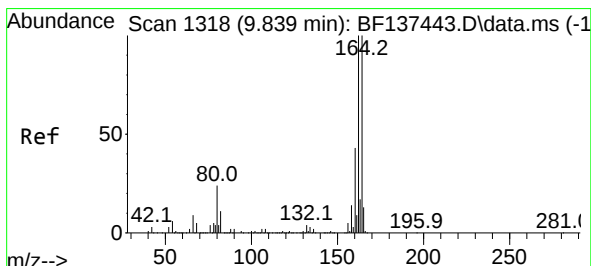
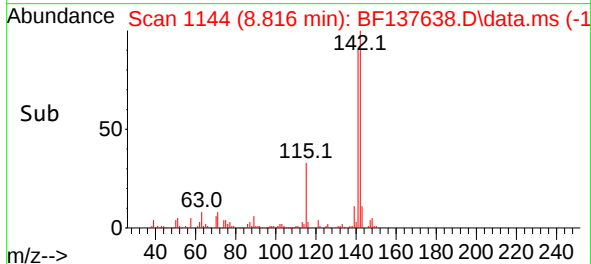
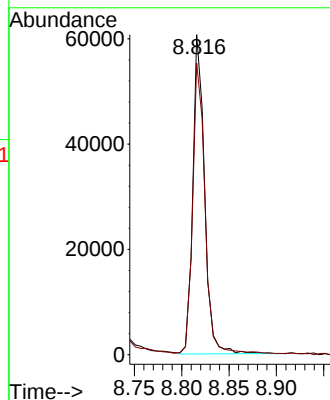
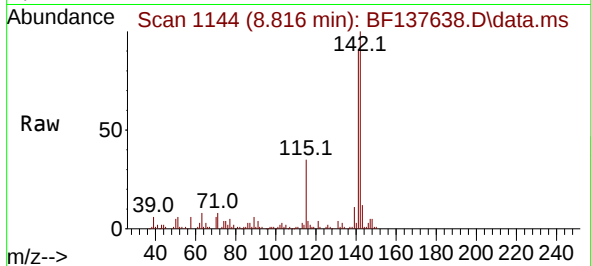




#38
1-Methylnaphthalene
Concen: 3.427 ng
RT: 8.816 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

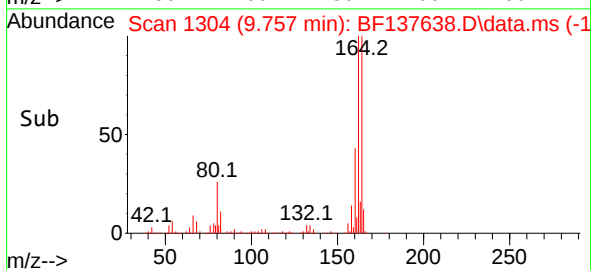
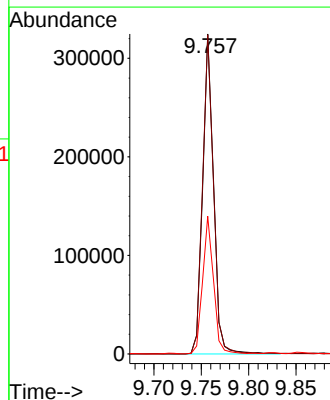
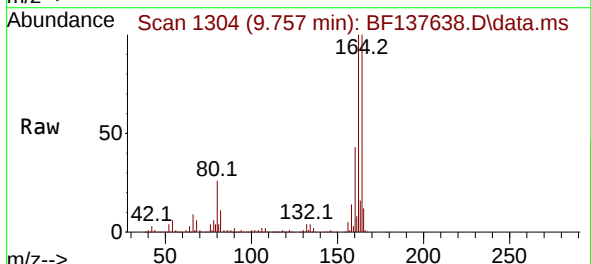
Instrument :
BNA_F
ClientSampleId :
MW-3

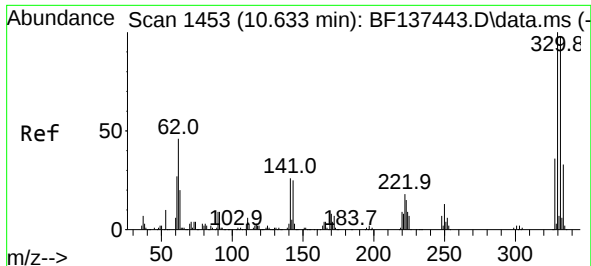
Tgt Ion:142 Resp: 52690
Ion Ratio Lower Upper
142 100
141 91.1 73.4 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion:164 Resp: 258969
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 43.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 114.447 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Instrument :

BNA_F

ClientSampleId :

MW-3

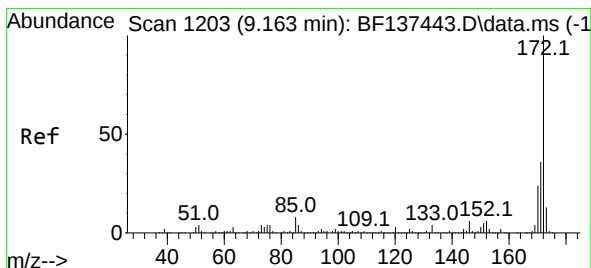
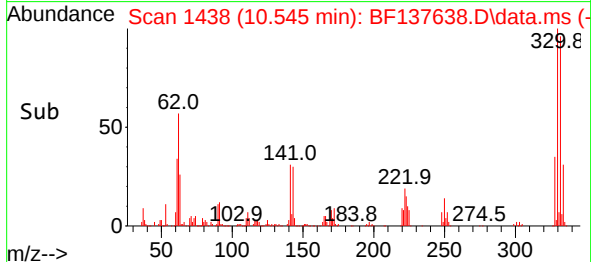
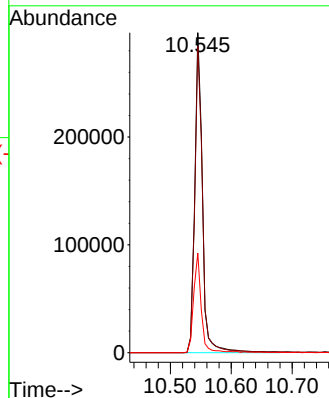
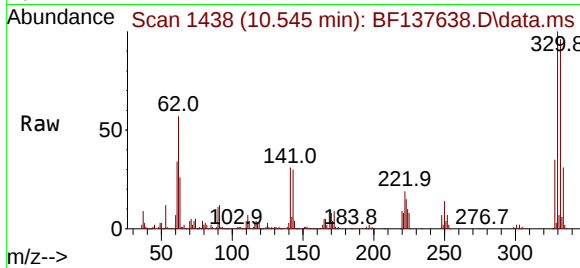
Tgt Ion:330 Resp: 260275

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

141 31.6 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 81.138 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

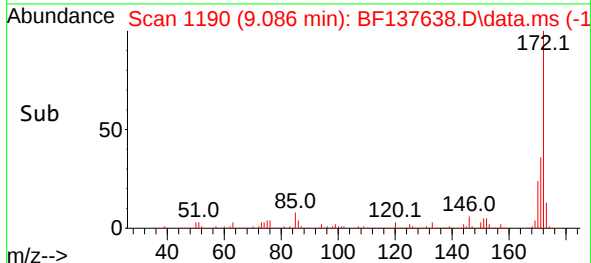
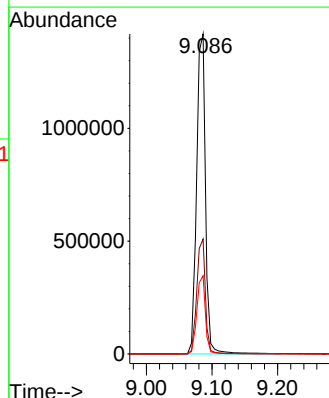
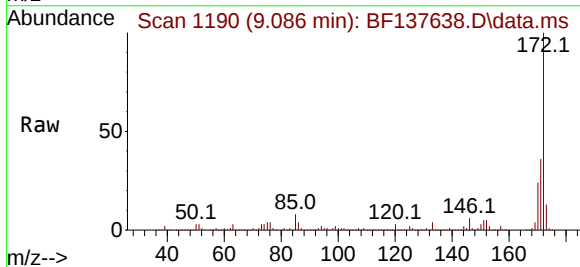
Tgt Ion:172 Resp: 1342319

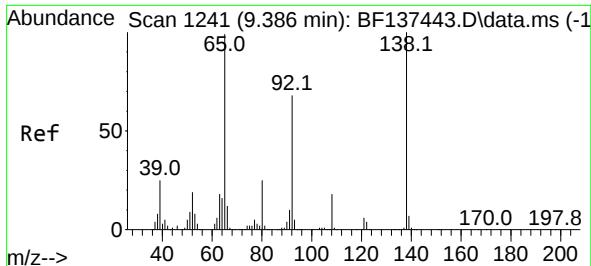
Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 24.4 19.0 28.6

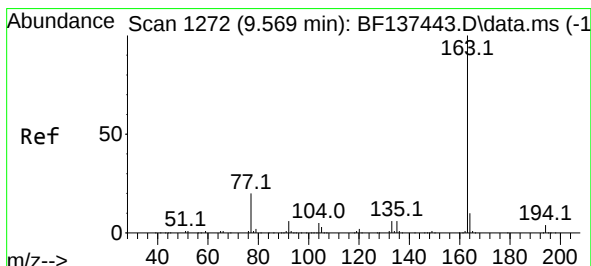
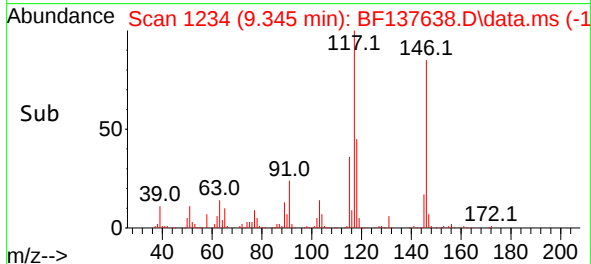
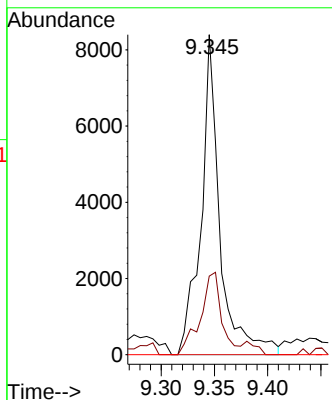
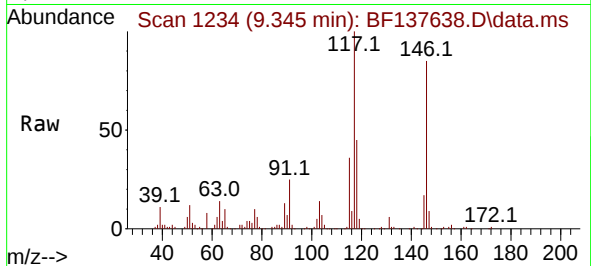




#48
2-Nitroaniline
Concen: 2.102 ng
RT: 9.345 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

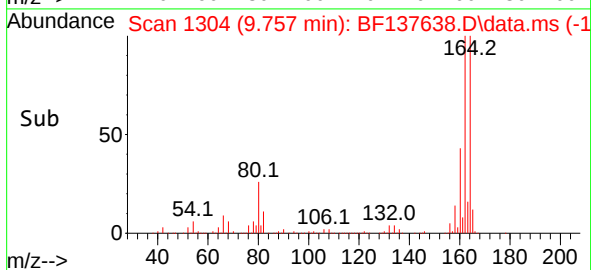
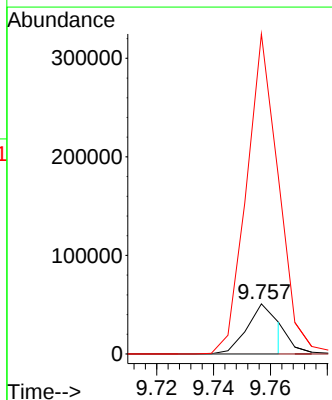
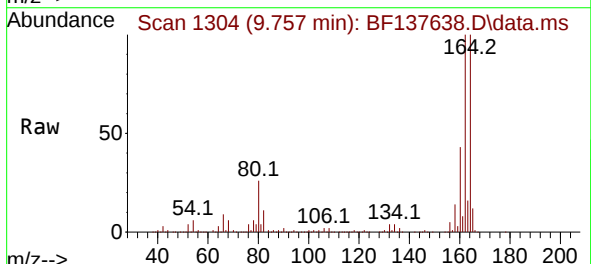
Instrument :
BNA_F
ClientSampleId :
MW-3

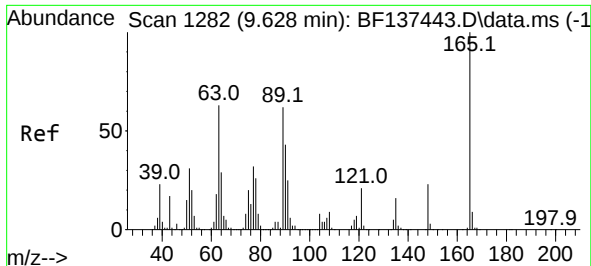
Tgt Ion: 65 Resp: 10327
Ion Ratio Lower Upper
65 100
92 24.6 55.4 83.2#
138 0.0 81.0 121.6#



#50
Dimethylphthalate
Concen: 2.135 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.264 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion: 163 Resp: 38493
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 639.2 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.527 ng

RT: 9.757 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Instrument :

BNA_F

ClientSampleId :

MW-3

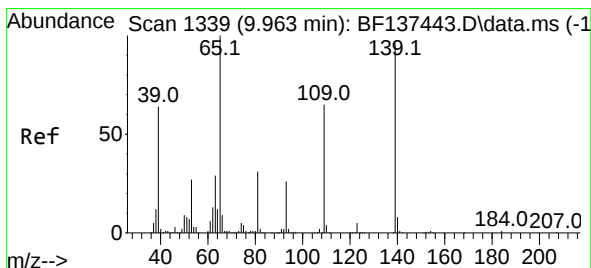
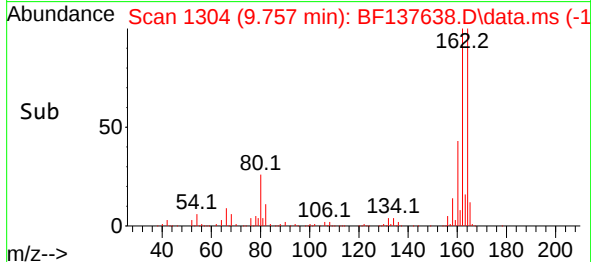
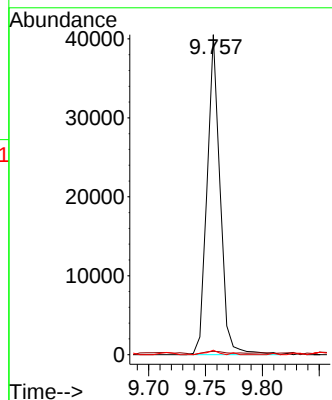
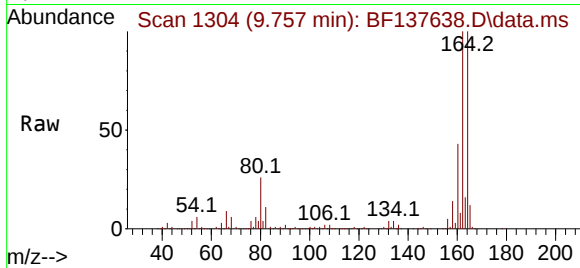
Tgt Ion:165 Resp: 32151

Ion Ratio Lower Upper

165 100

63 1.1 50.7 76.1#

89 1.4 50.0 75.0#



#56

4-Nitrophenol

Concen: 4.547 ng

RT: 9.616 min Scan# 1280

Delta R.T. -0.271 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

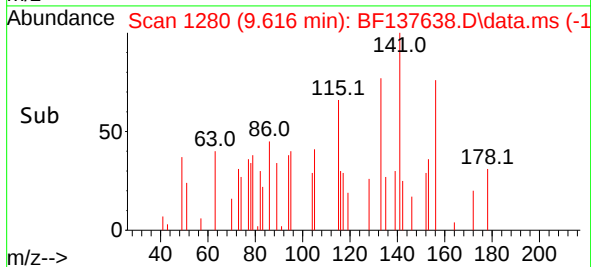
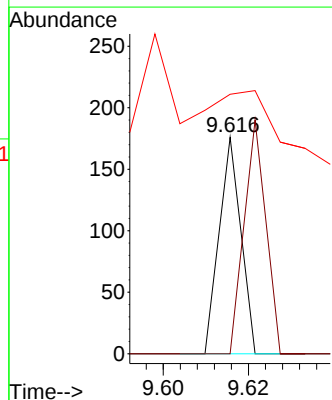
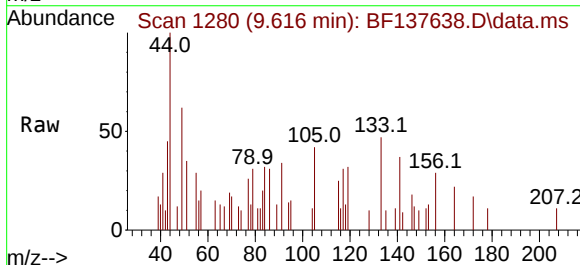
Tgt Ion:139 Resp: 62

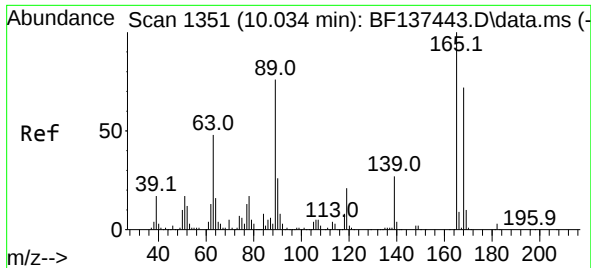
Ion Ratio Lower Upper

139 100

109 0.0 47.1 87.1#

65 119.9 85.1 125.1

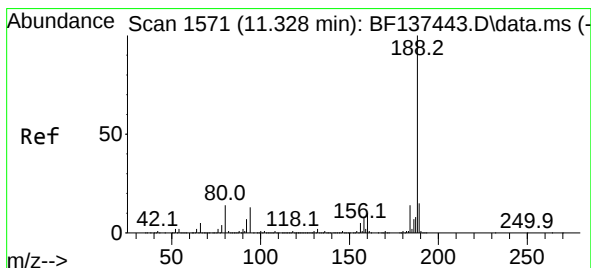
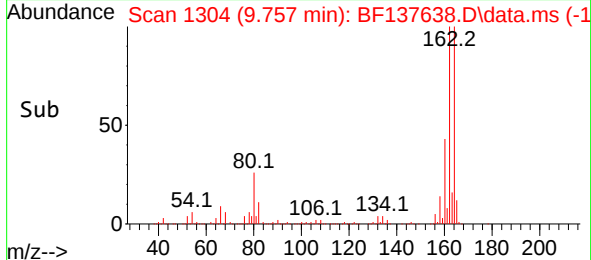
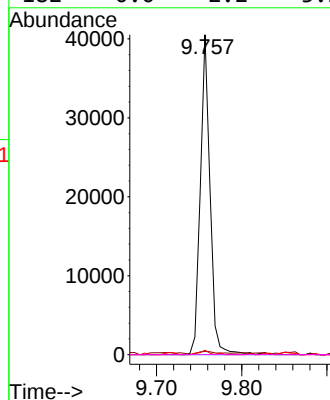
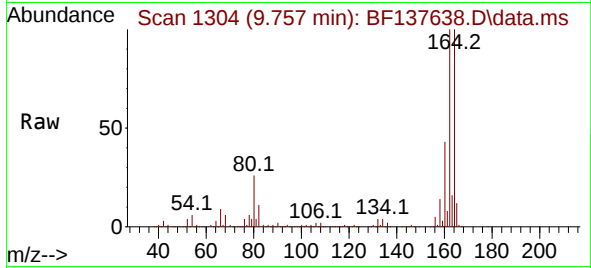




#57
2,4-Dinitrotoluene
Concen: 6.965 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

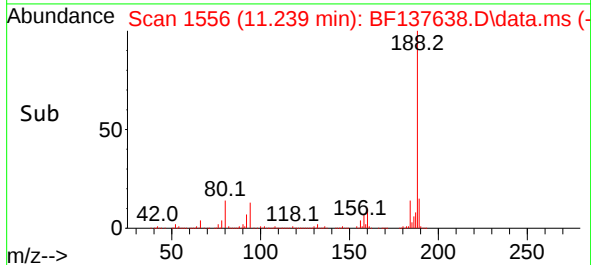
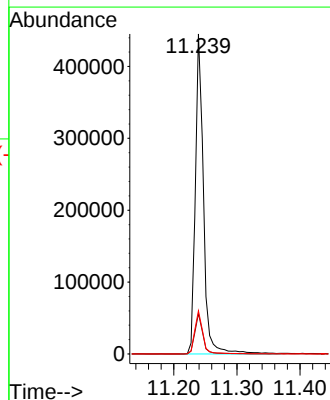
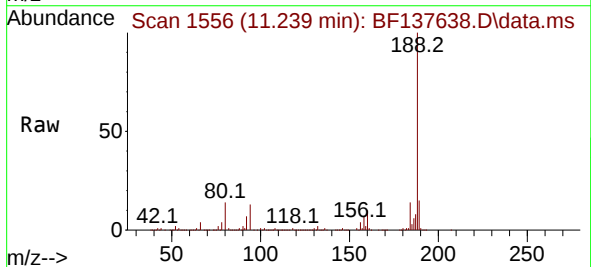
Instrument :
BNA_F
ClientSampleId :
MW-3

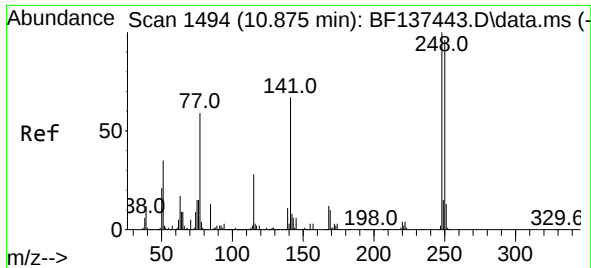
Tgt Ion:165 Resp: 32266
Ion Ratio Lower Upper
165 100
63 1.1 39.0 58.6#
89 1.4 60.9 91.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion:188 Resp: 396416
Ion Ratio Lower Upper
188 100
94 12.6 10.6 15.8
80 13.5 11.5 17.3

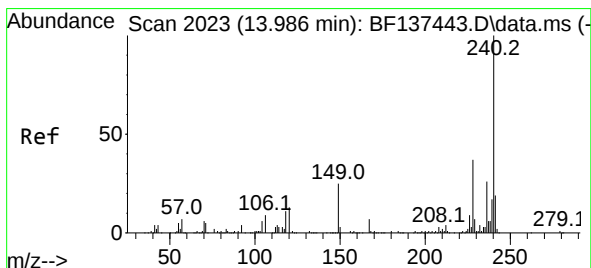
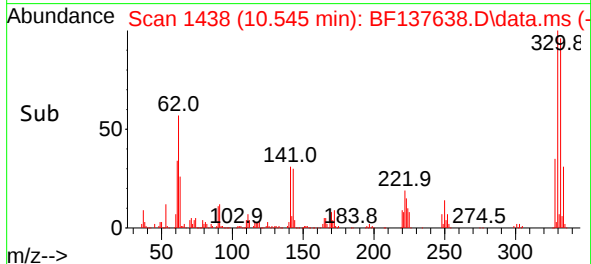
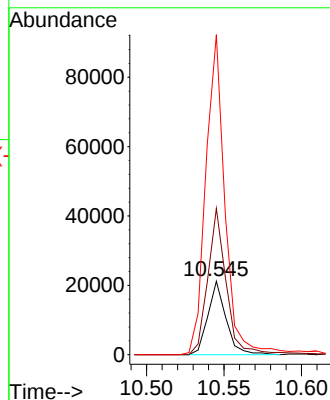
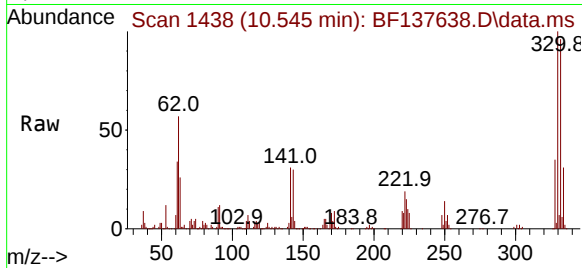




#67
4-Bromophenyl-phenylether
Concen: 3.996 ng
RT: 10.545 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

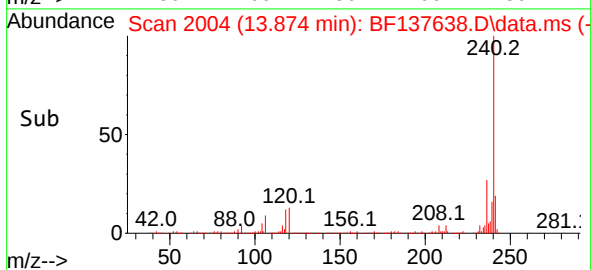
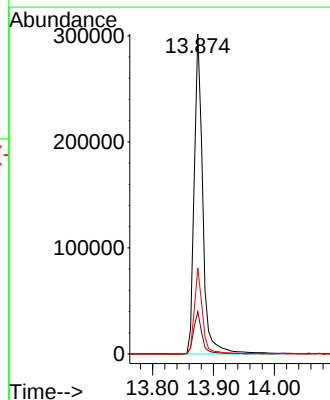
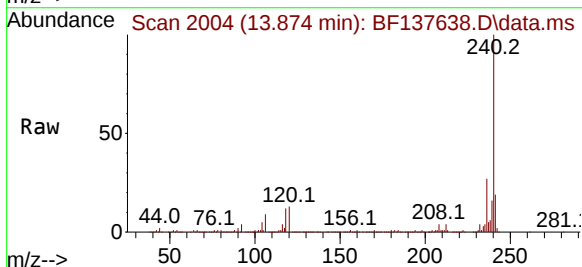
Instrument :
BNA_F
ClientSampleId :
MW-3

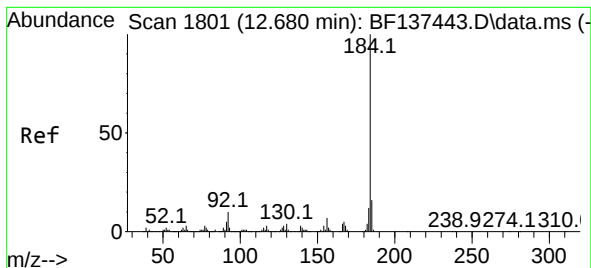
Tgt Ion:248 Resp: 17254
Ion Ratio Lower Upper
248 100
250 199.4 76.8 115.2#
141 436.1 53.4 80.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137638.D
Acq: 18 Mar 2024 18:34

Tgt Ion:240 Resp: 295273
Ion Ratio Lower Upper
240 100
120 13.2 10.4 15.6
236 26.9 20.9 31.3





#77

Benzidine

Concen: 2.033 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Instrument :

BNA_F

ClientSampleId :

MW-3

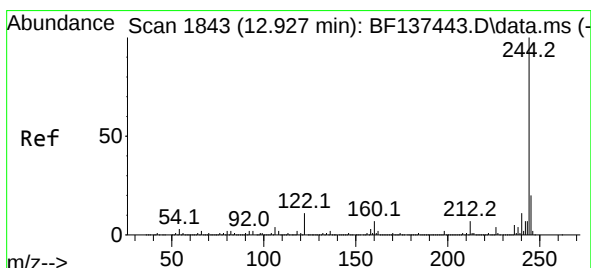
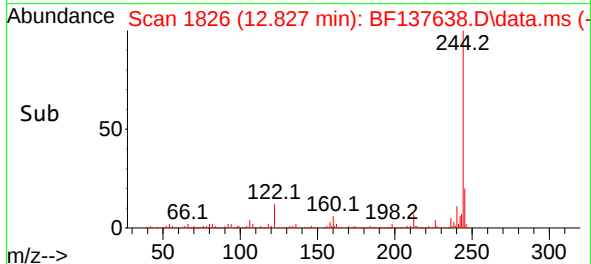
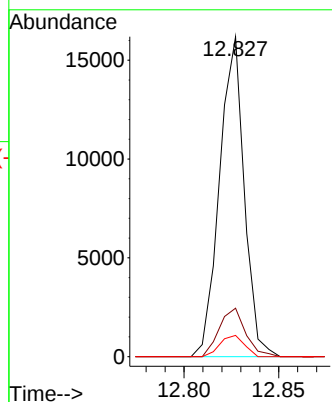
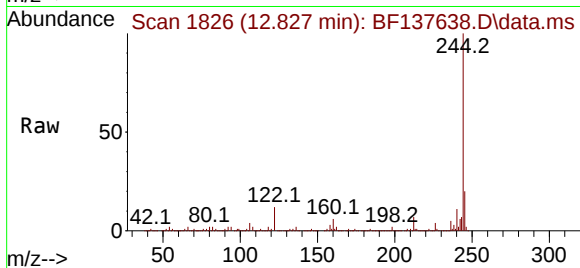
Tgt Ion:184 Resp: 14687

Ion Ratio Lower Upper

184 100

185 15.2 13.2 19.8

183 6.7 9.3 13.9#



#79

Terphenyl-d14

Concen: 58.924 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

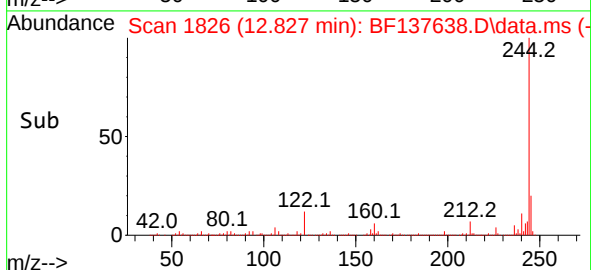
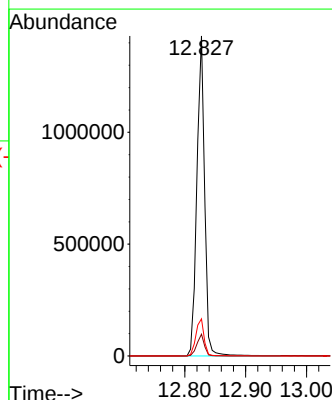
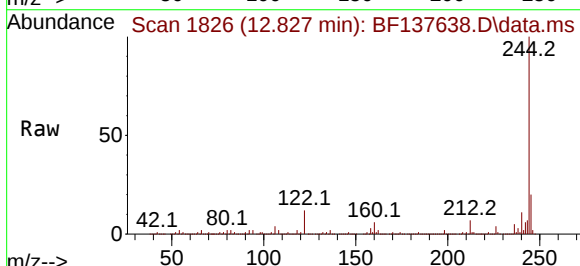
Tgt Ion:244 Resp: 1265262

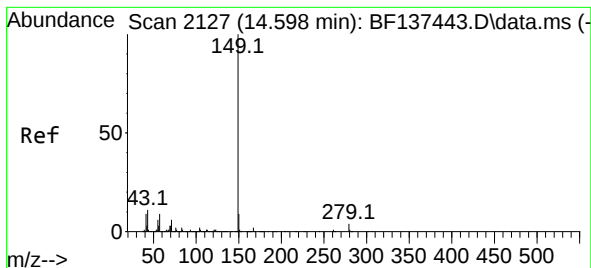
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 11.6 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 5.669 ng

RT: 14.451 min Scan# 2127

Delta R.T. -0.024 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Instrument :

BNA_F

ClientSampleId :

MW-3

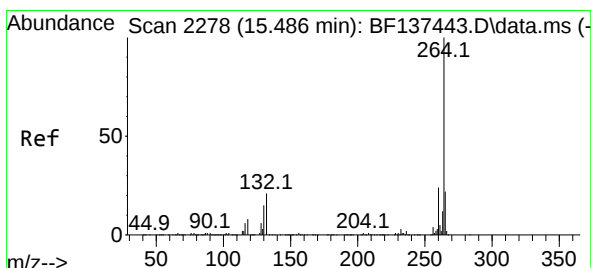
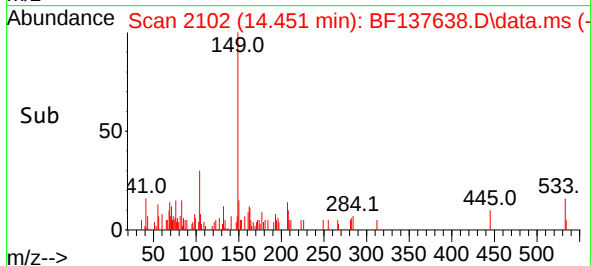
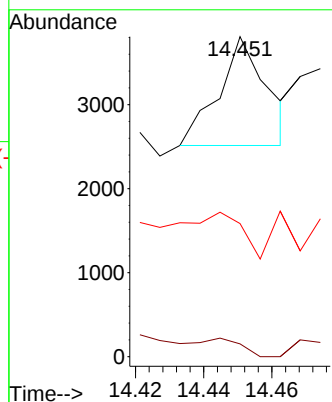
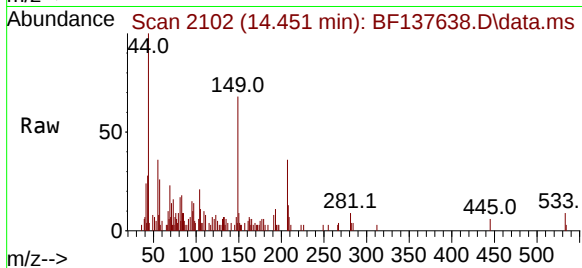
Tgt Ion:149 Resp: 1266

Ion Ratio Lower Upper

149 100

167 14.9 1.2 1.8#

43 18.6 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. -0.000 min

Lab File: BF137638.D

Acq: 18 Mar 2024 18:34

Tgt Ion:264 Resp: 308583

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 22.1 17.4 26.0

