

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137659.D
 Acq On : 21 Mar 2024 14:16
 Operator : CG\JU
 Sample : PB159682BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB159682BL

Quant Time: Mar 21 15:04:09 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)

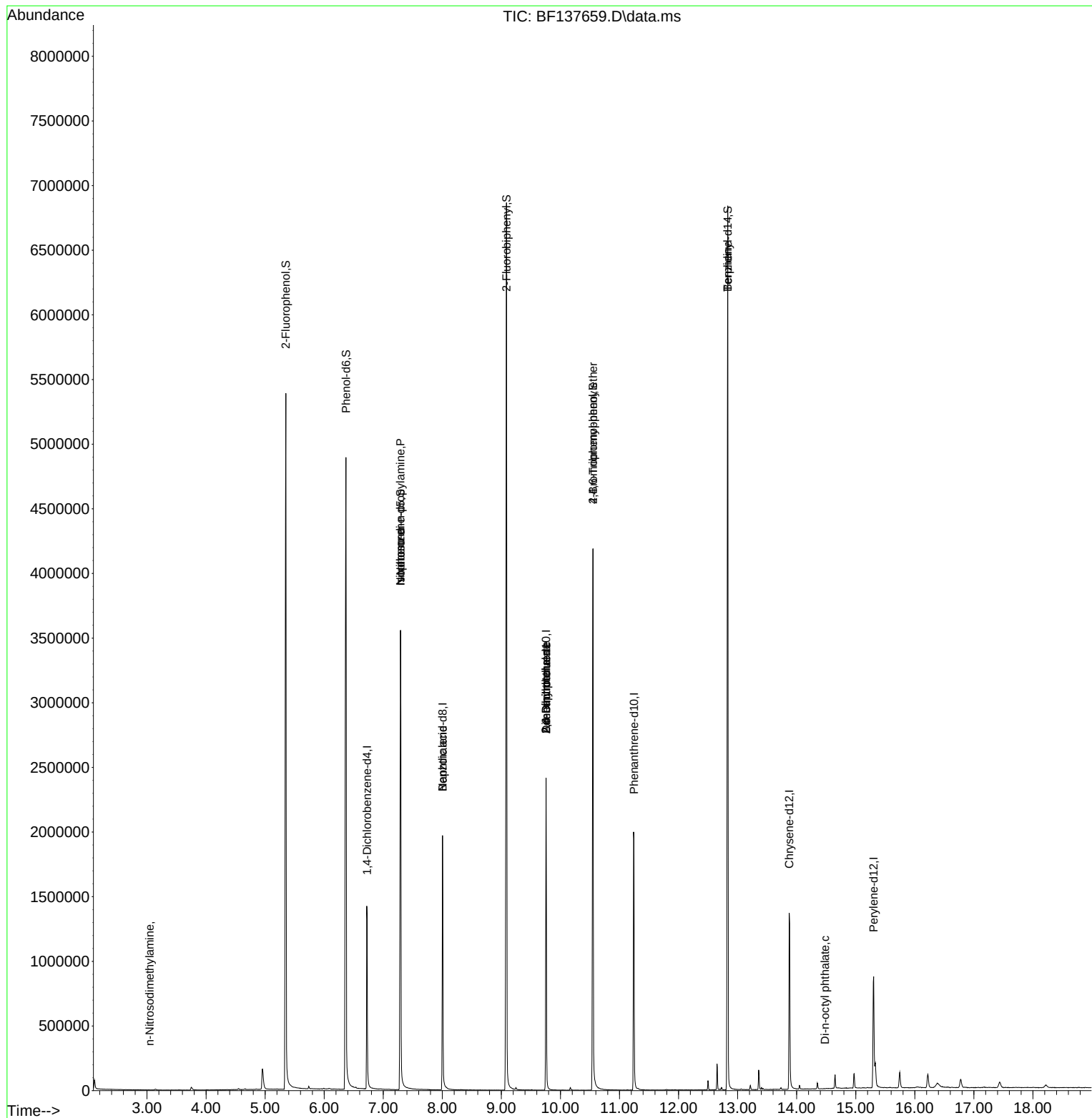
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	228029	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	887480	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	472927	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	821502	20.000	ng	0.00
76) Chrysene-d12	13.874	240	513318	20.000	ng	0.00
86) Perylene-d12	15.304	264	453295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1724414	114.533	ng	0.02
7) Phenol-d6	6.369	99	2307668	106.183	ng	0.00
23) Nitrobenzene-d5	7.292	82	1453949	76.122	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	560400	134.935	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	2374136	78.583	ng	0.00
79) Terphenyl-d14	12.833	244	2617341	70.115	ng	0.00
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.046	42	68	3.816	ng	# 1
19) n-Nitroso-di-n-propyla...	7.292	70	193871	14.446	ng	# 78
25) Isophorone	7.292	82	1453934	40.067	ng	# 69
32) Benzoic acid	8.004	122	247	6.325	ng	# 1
50) Dimethylphthalate	9.757	163	87305	2.652	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	59877	8.696	ng	# 20
57) 2,4-Dinitrotoluene	9.757	165	60031	7.096	ng	# 21
67) 4-Bromophenyl-phenylether	10.551	248	35367	3.953	ng	# 1
77) Benzidine	12.833	184	29920	2.382	ng	# 93
85) Di-n-octyl phthalate	14.480	149	283	5.615	ng	# 72

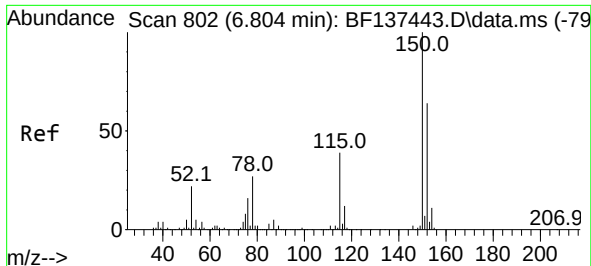
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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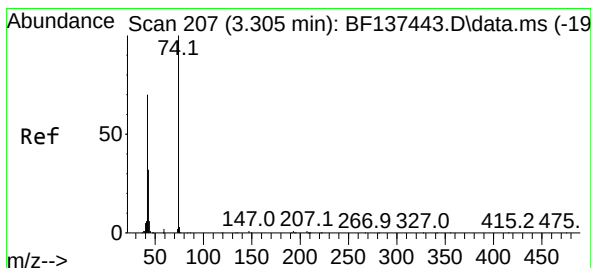
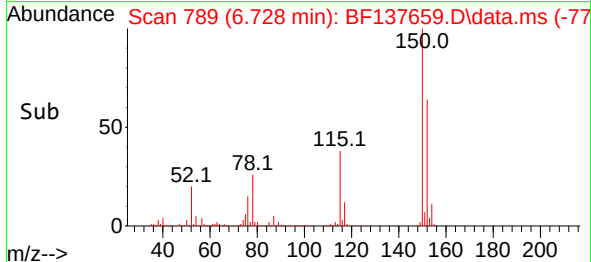
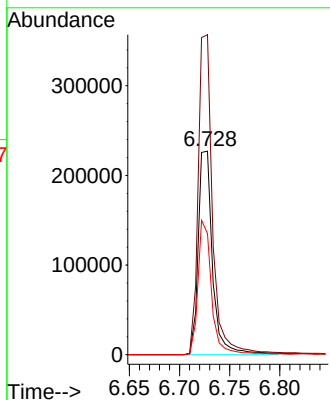
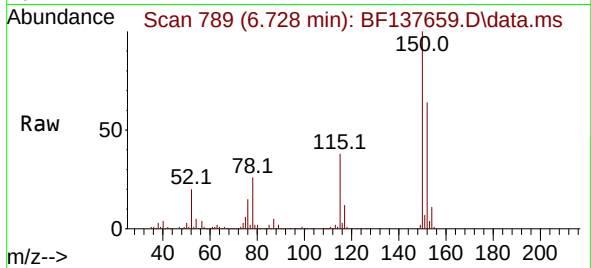




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

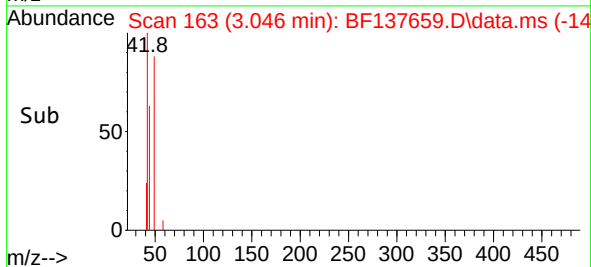
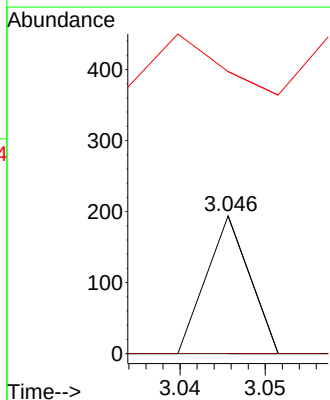
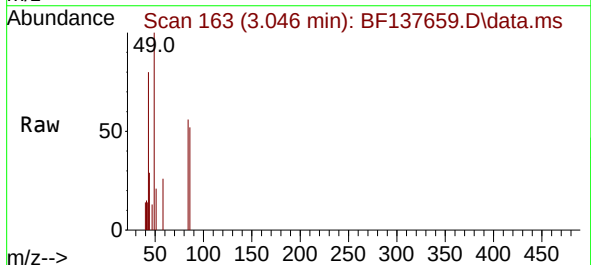
Instrument :
BNA_F
ClientSampleId :
PB159682BL

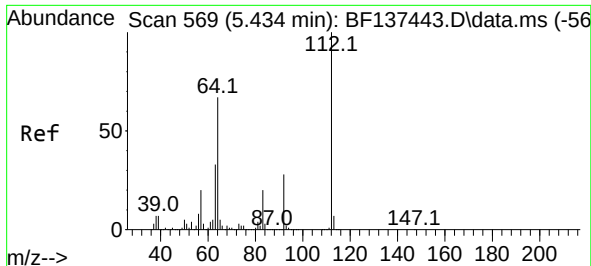
Tgt Ion:152 Resp: 228029
Ion Ratio Lower Upper
152 100
150 157.2 125.8 188.6
115 59.5 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.816 ng
RT: 3.046 min Scan# 163
Delta R.T. 0.006 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion: 42 Resp: 68
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 204.6 7.0 10.4#

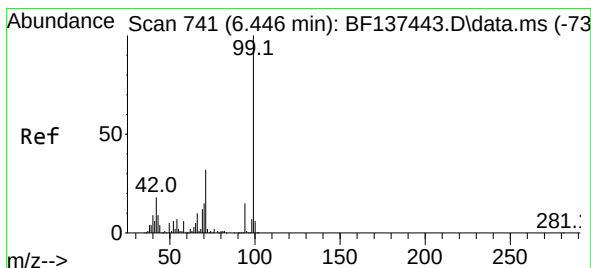
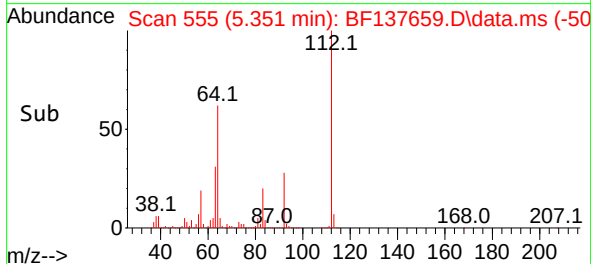
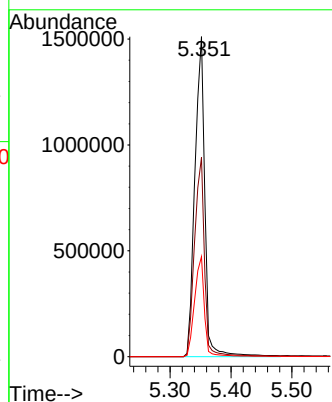
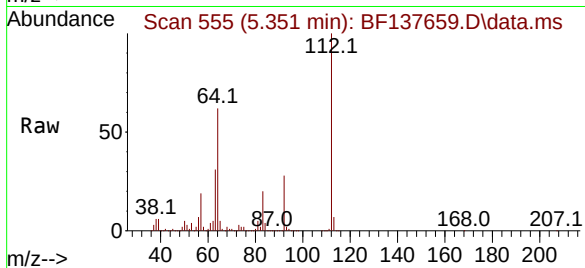




#5
2-Fluorophenol
Concen: 114.533 ng
RT: 5.351 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

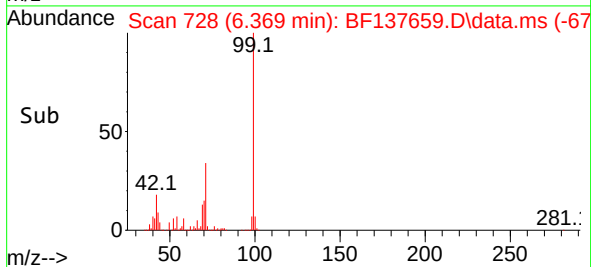
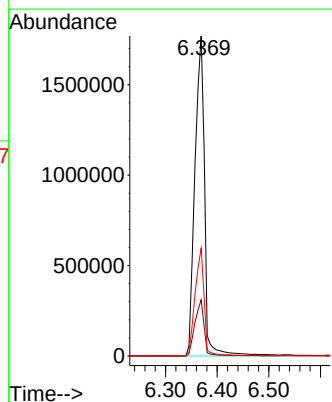
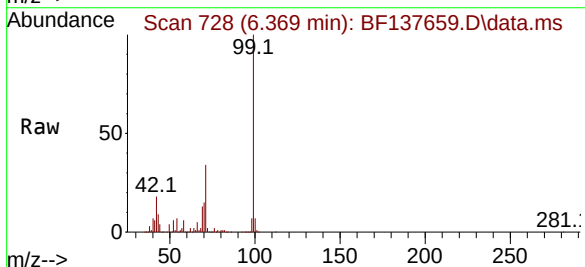
Instrument :
BNA_F
ClientSampleId :
PB159682BL

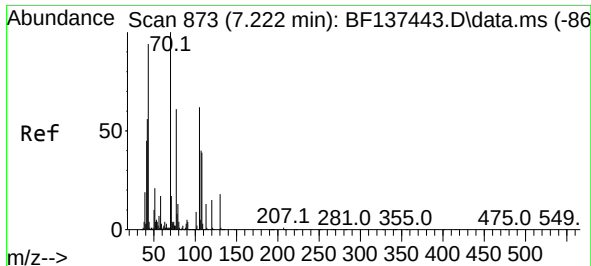
Tgt Ion:112 Resp: 1724414
Ion Ratio Lower Upper
112 100
64 62.2 53.4 80.2
63 31.2 26.2 39.2



#7
Phenol-d6
Concen: 106.183 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion: 99 Resp: 2307668
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 33.6 25.3 37.9

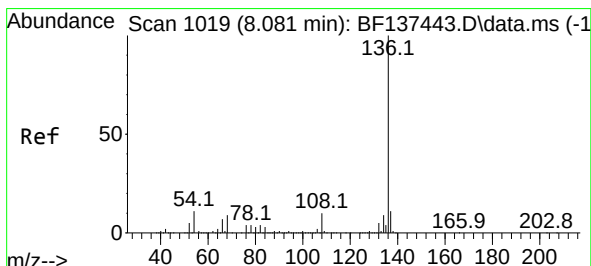
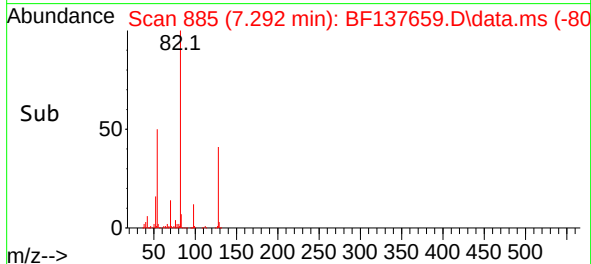
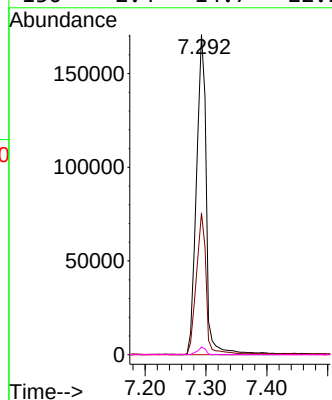
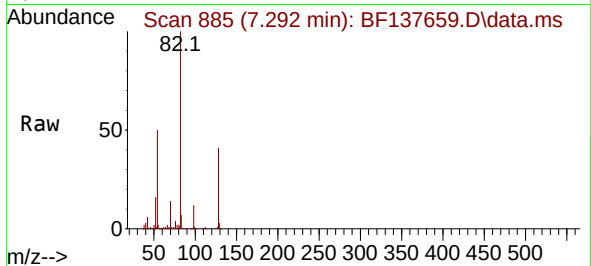




#19
n-Nitroso-di-n-propylamine
Concen: 14.446 ng
RT: 7.292 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

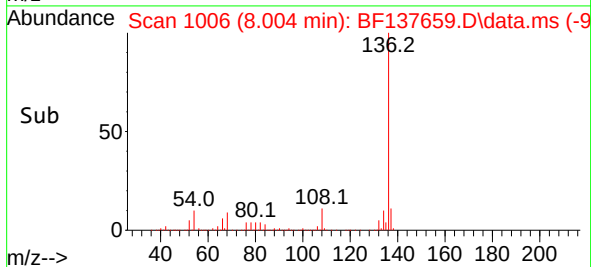
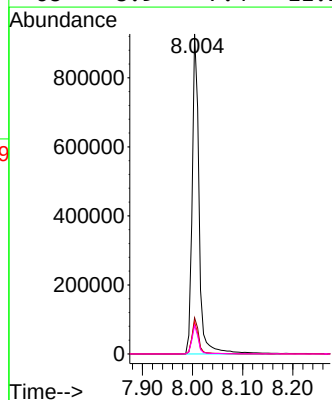
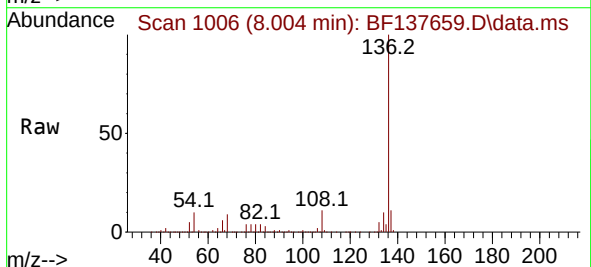
Instrument :
BNA_F
ClientSampleId :
PB159682BL

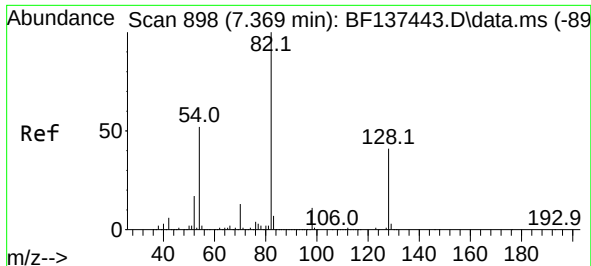
Tgt Ion: 70 Resp: 193871
Ion Ratio Lower Upper
70 100
42 44.3 45.2 67.8#
101 0.0 7.3 10.9#
130 2.4 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion:136 Resp: 887480
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.0 8.5 12.7
68 8.9 7.4 11.2





#23

Nitrobenzene-d5

Concen: 76.122 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

Instrument :

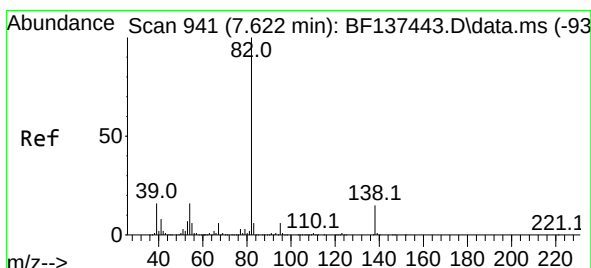
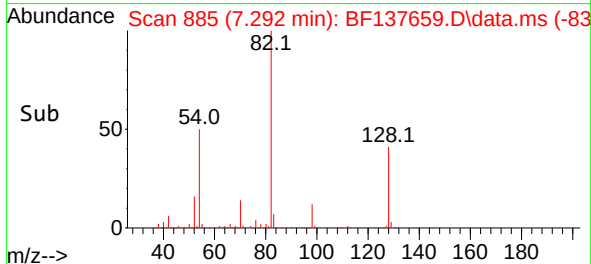
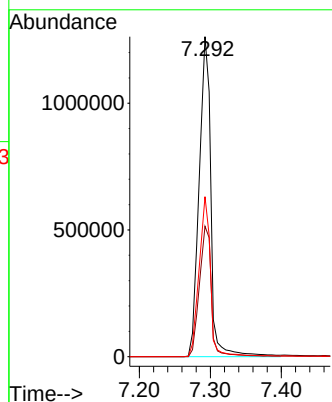
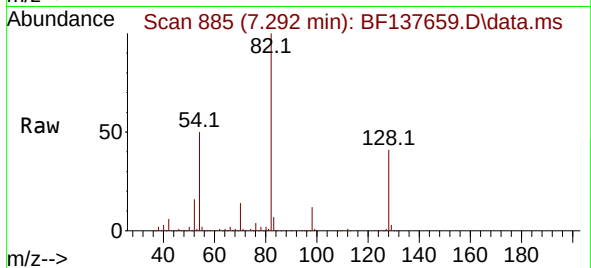
BNA_F

ClientSampleId :

PB159682BL

Tgt Ion: 82 Resp: 1453949

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.5	48.7
54	50.0	41.5	62.3



#25

Isophorone

Concen: 40.067 ng

RT: 7.292 min Scan# 885

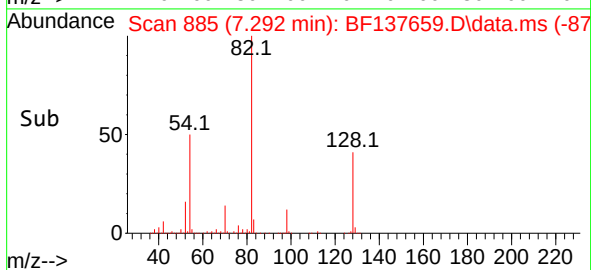
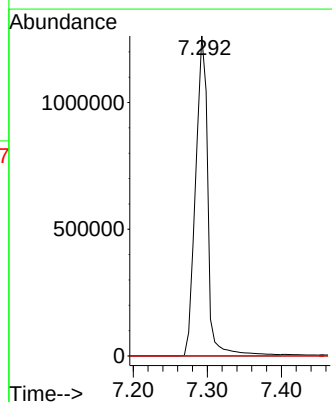
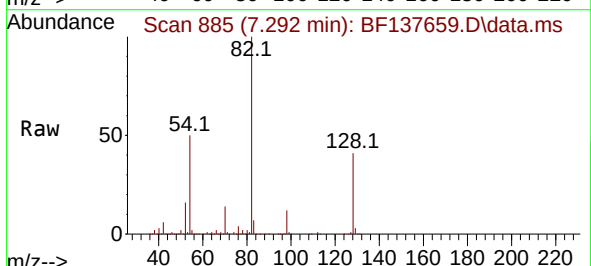
Delta R.T. -0.259 min

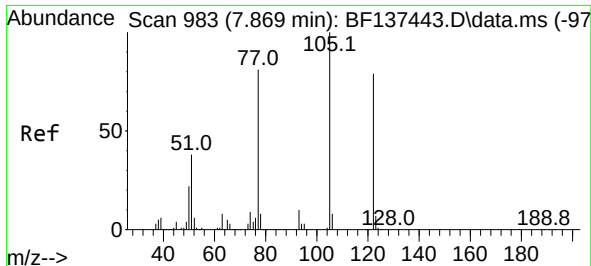
Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

Tgt Ion: 82 Resp: 1453934

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	11.8	17.8#

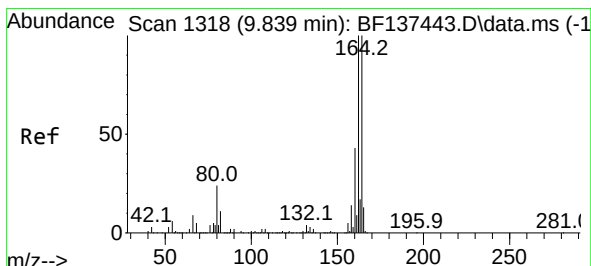
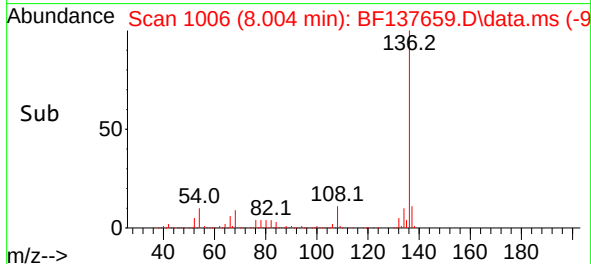
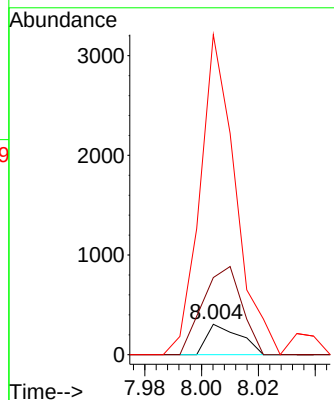
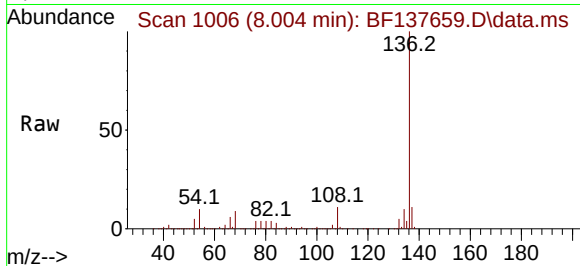




#32
Benzoic acid
Concen: 6.325 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.206 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

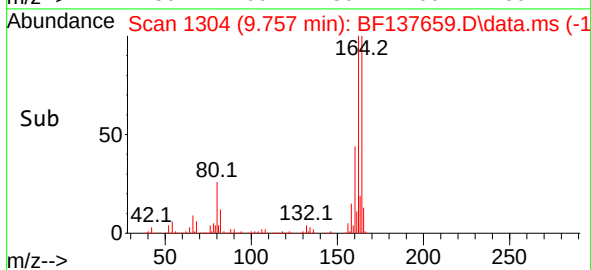
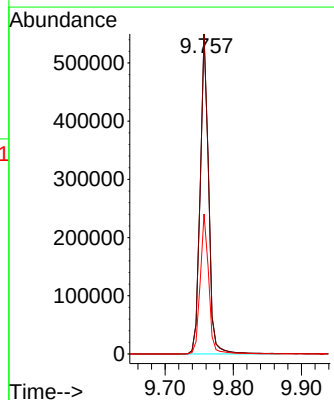
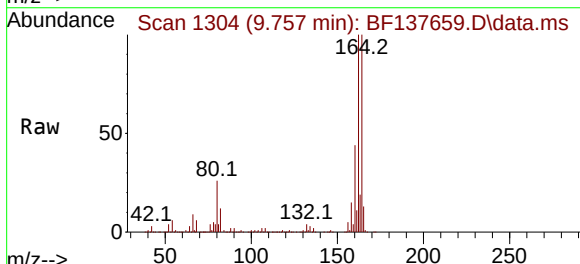
Instrument :
BNA_F
ClientSampleId :
PB159682BL

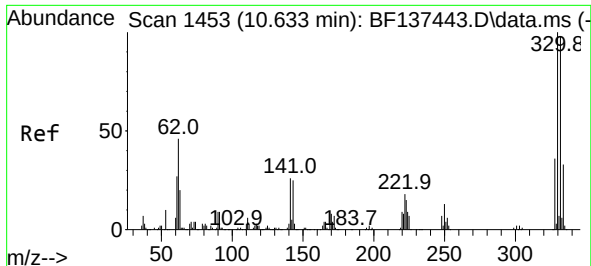
Tgt Ion:122 Resp: 247
Ion Ratio Lower Upper
122 100
105 253.8 102.4 142.4#
77 1052.8 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion:164 Resp: 472927
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 43.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 134.935 ng

RT: 10.551 min Scan# 1453

Delta R.T. -0.000 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

Instrument :

BNA_F

ClientSampleId :

PB159682BL

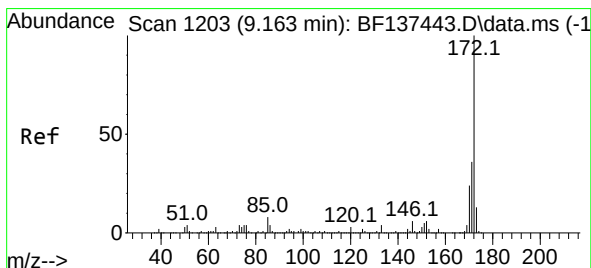
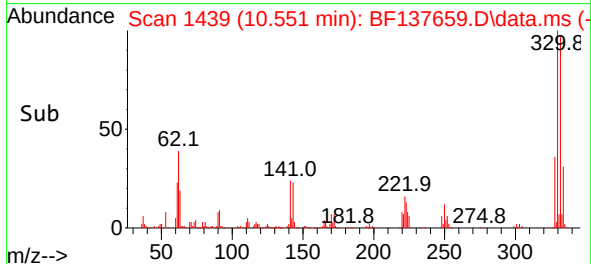
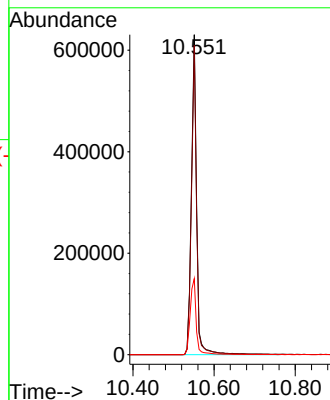
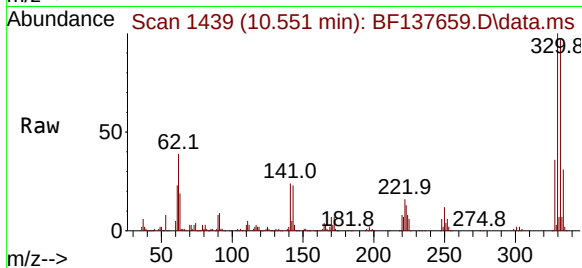
Tgt Ion:330 Resp: 560400

Ion Ratio Lower Upper

330 100

332 94.7 78.0 117.0

141 27.8 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 78.583 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

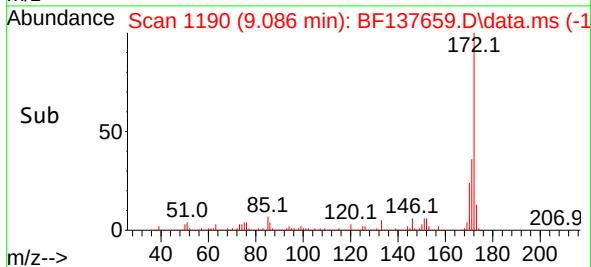
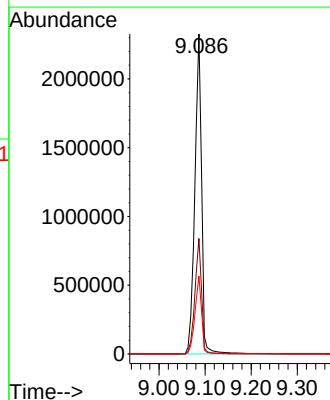
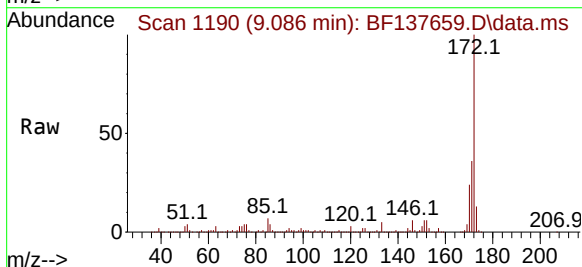
Tgt Ion:172 Resp: 2374136

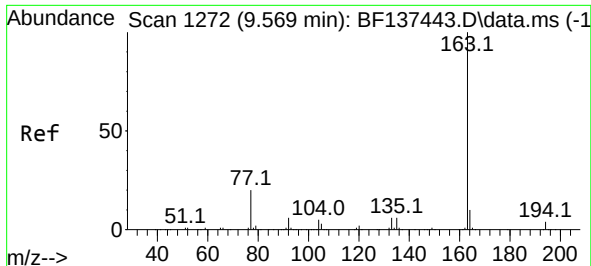
Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 24.3 19.0 28.6

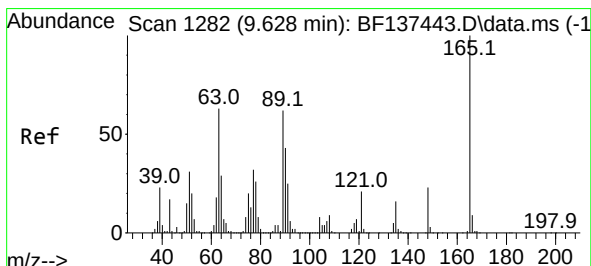
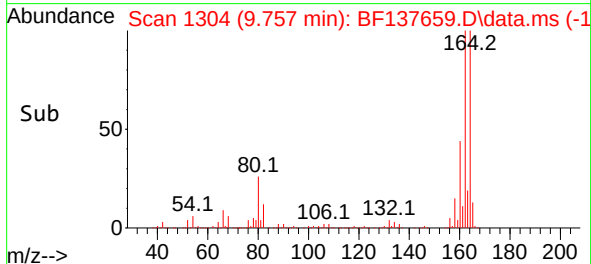
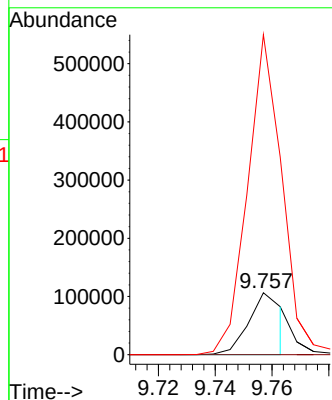
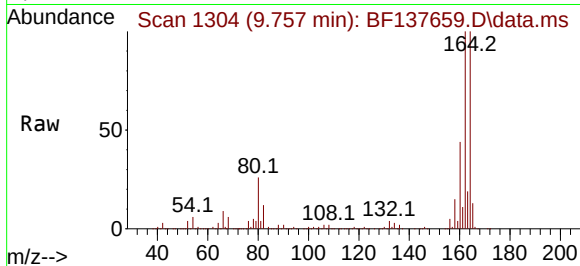




#50
Dimethylphthalate
Concen: 2.652 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

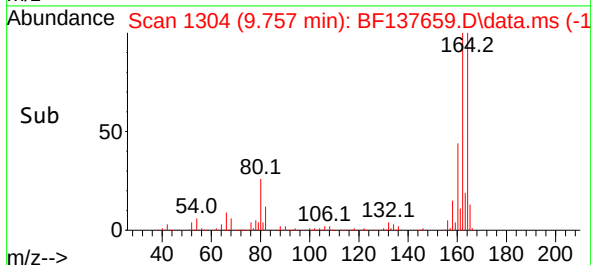
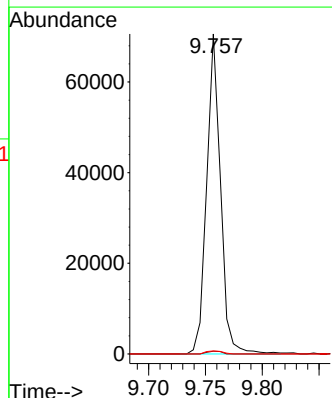
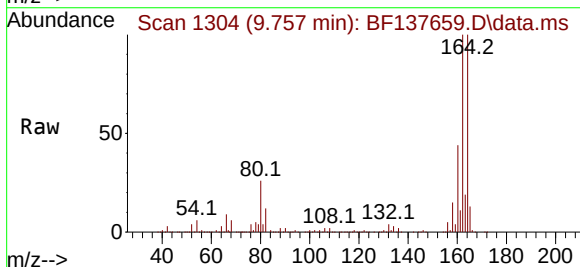
Instrument :
BNA_F
ClientSampleId :
PB159682BL

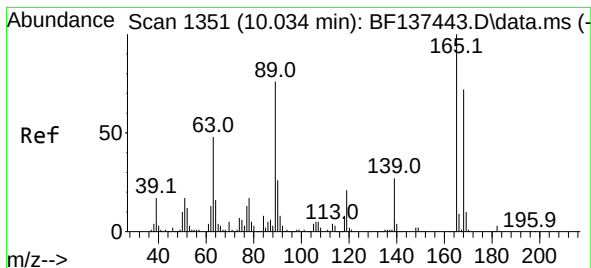
Tgt Ion:163 Resp: 87305
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 517.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.696 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion:165 Resp: 59877
Ion Ratio Lower Upper
165 100
63 0.8 50.7 76.1#
89 1.0 50.0 75.0#





#57

2,4-Dinitrotoluene

Concen: 7.096 ng

RT: 9.757 min Scan# 1

Delta R.T. -0.200 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

Instrument :

BNA_F

ClientSampleId :

PB159682BL

Tgt Ion:165 Resp: 60031

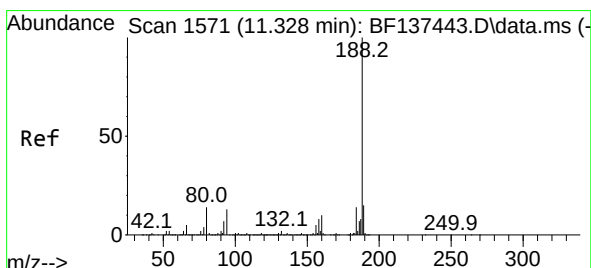
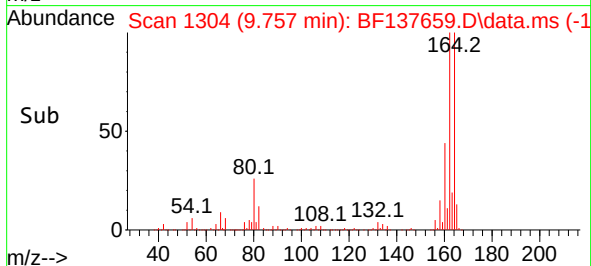
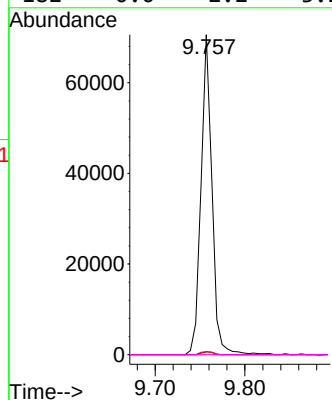
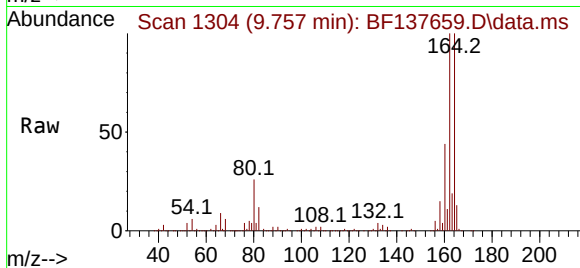
Ion Ratio Lower Upper

165 100

63 0.8 39.0 58.6#

89 1.0 60.9 91.3#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. 0.006 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

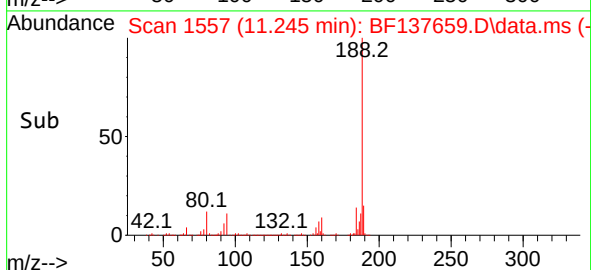
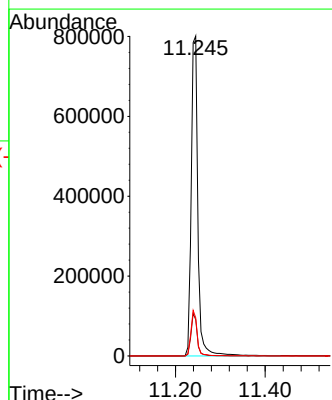
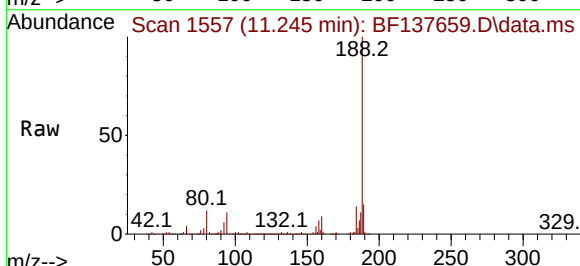
Tgt Ion:188 Resp: 821502

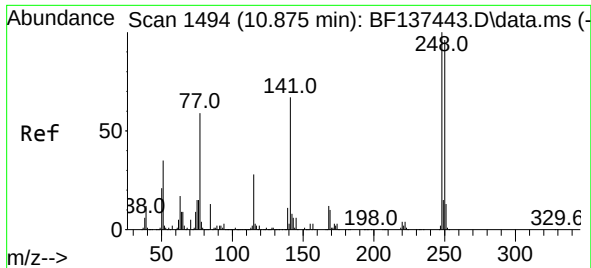
Ion Ratio Lower Upper

188 100

94 11.4 10.6 15.8

80 12.0 11.5 17.3

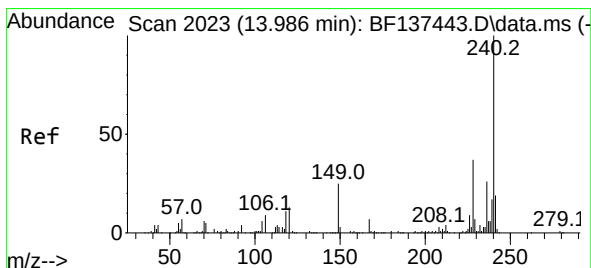
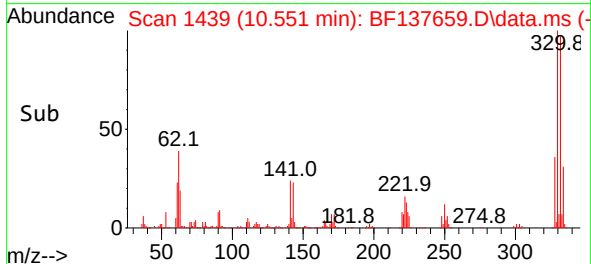
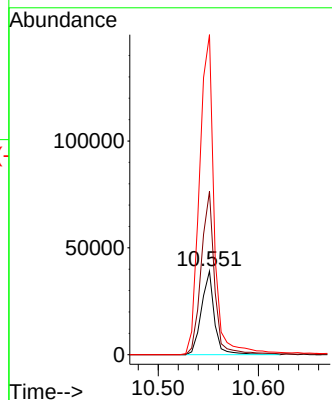
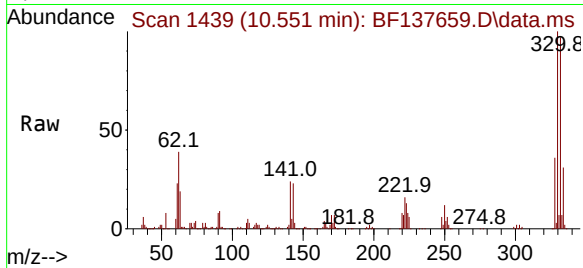




#67
4-Bromophenyl-phenylether
Concen: 3.953 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

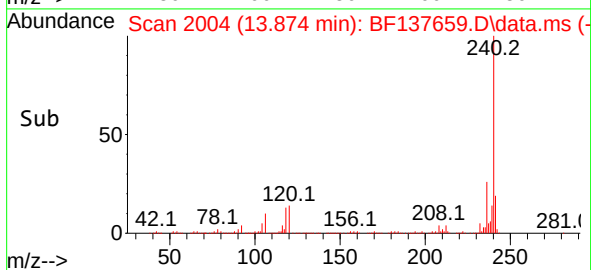
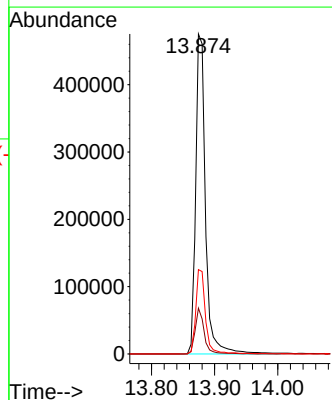
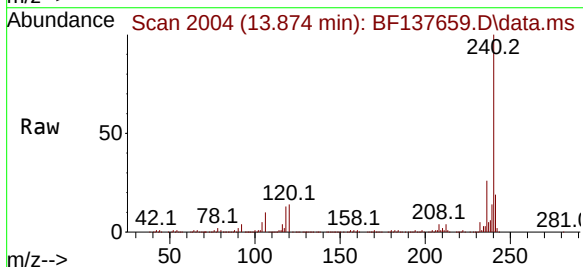
Instrument :
BNA_F
ClientSampleId :
PB159682BL

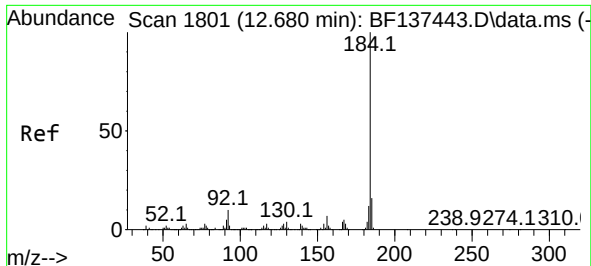
Tgt Ion:248 Resp: 35367
Ion Ratio Lower Upper
248 100
250 195.5 76.8 115.2#
141 383.1 53.4 80.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion:240 Resp: 513318
Ion Ratio Lower Upper
240 100
120 14.3 10.4 15.6
236 26.3 20.9 31.3

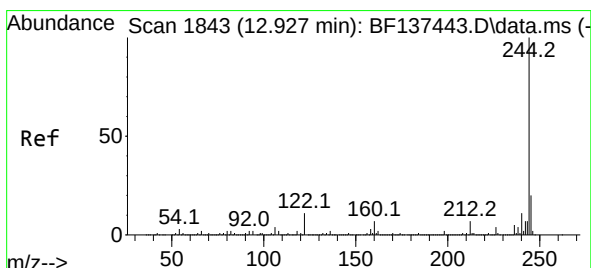
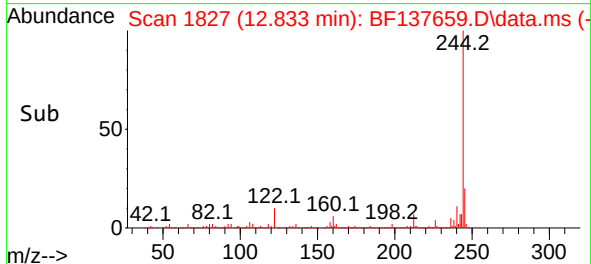
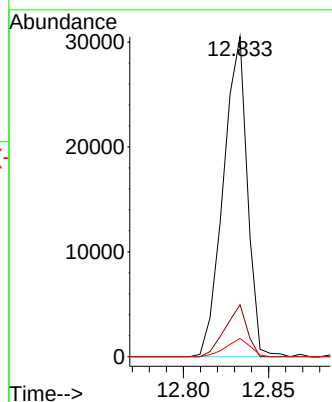
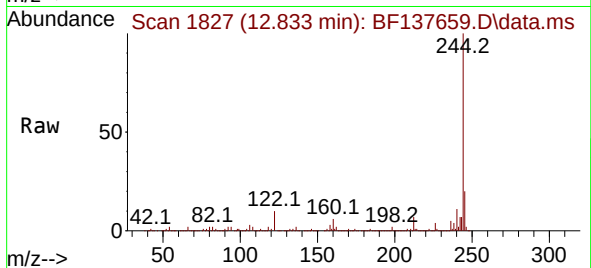




#77
Benzidine
Concen: 2.382 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.253 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

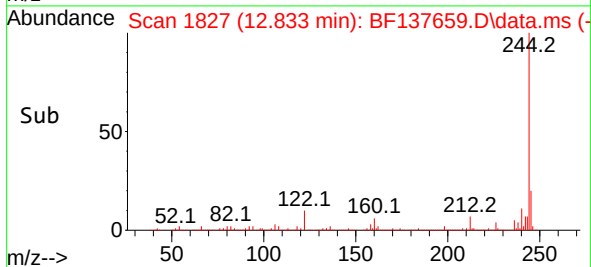
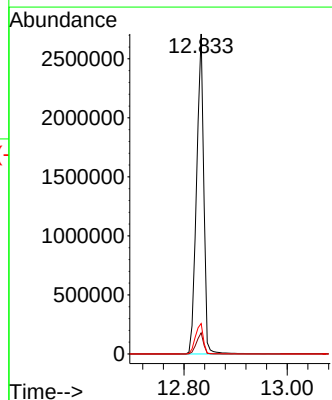
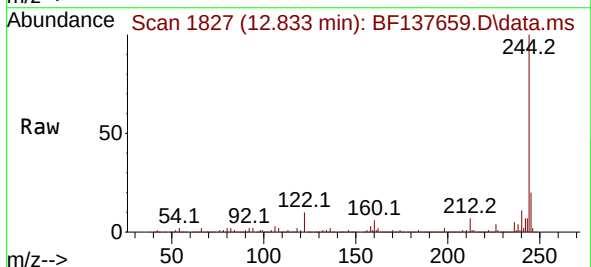
Instrument :
BNA_F
ClientSampleId :
PB159682BL

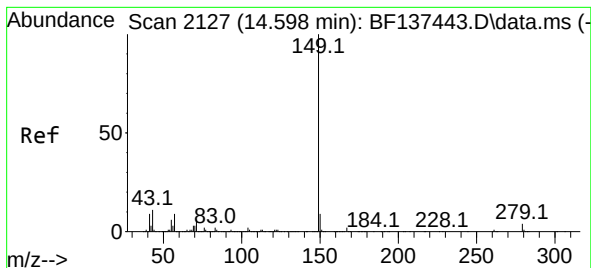
Tgt Ion:184 Resp: 29920
Ion Ratio Lower Upper
184 100
185 16.3 13.2 19.8
183 5.7 9.3 13.9#



#79
Terphenyl-d14
Concen: 70.115 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF137659.D
Acq: 21 Mar 2024 14:16

Tgt Ion:244 Resp: 2617341
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 9.5 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 5.615 ng

RT: 14.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

Instrument :

BNA_F

ClientSampleId :

PB159682BL

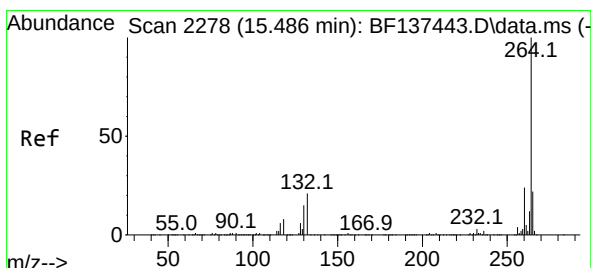
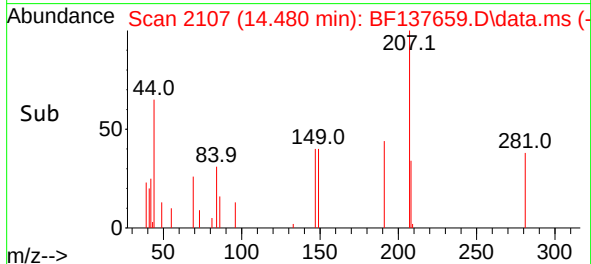
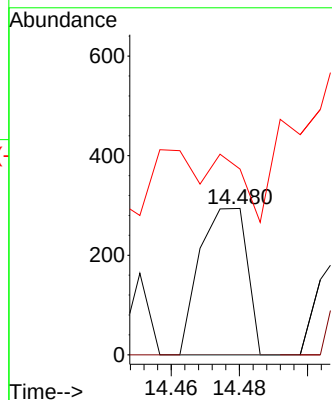
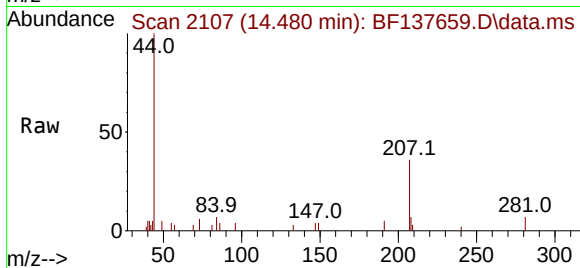
Tgt Ion:149 Resp: 283

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.006 min

Lab File: BF137659.D

Acq: 21 Mar 2024 14:16

Tgt Ion:264 Resp: 453295

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 21.3 17.4 26.0

