

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052224\
 Data File : BF138009.D
 Acq On : 22 May 2024 17:22
 Operator : CG\JU
 Sample : P2531-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Quant Time: May 22 17:59:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

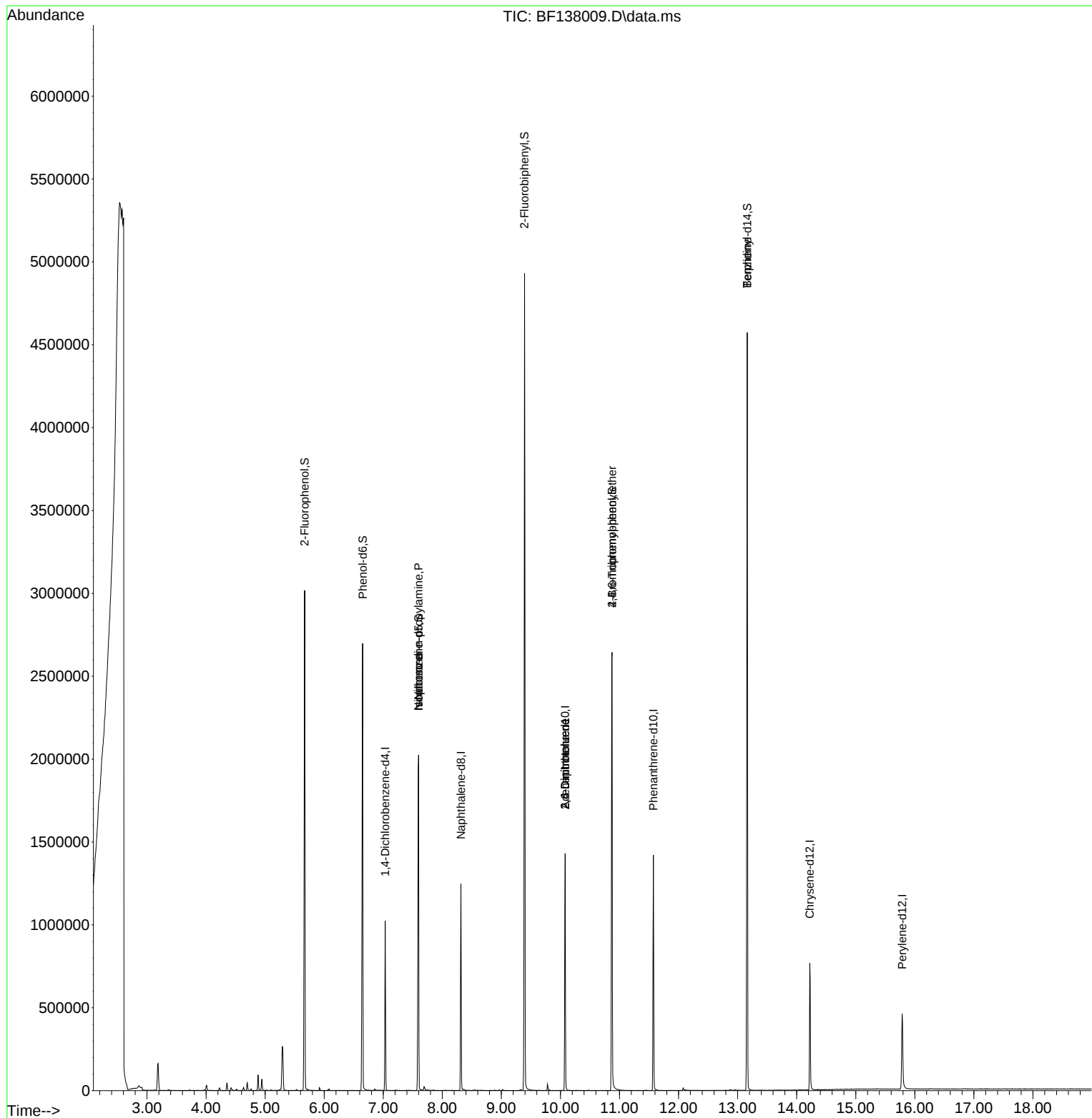
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	134235	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	526018	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	297403	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	501017	20.000	ng	0.00
76) Chrysene-d12	14.221	240	279217	20.000	ng	0.00
86) Perylene-d12	15.786	264	254013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	889964	112.618	ng	0.00
7) Phenol-d6	6.651	99	996746	102.392	ng	0.00
23) Nitrobenzene-d5	7.598	82	718987	80.440	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	398384	132.852	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1571959	81.419	ng	0.00
79) Terphenyl-d14	13.163	244	1596306	84.258	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	94842	17.341	ng	# 74
25) Isophorone	7.598	82	718981	46.347	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	37572	8.778	ng	# 29
57) 2,4-Dinitrotoluene	10.080	165	37572	6.790	ng	# 32
67) 4-Bromophenyl-phenylether	10.875	248	25491	4.641	ng	# 1
77) Benzidine	13.163	184	19401	5.317	ng	# 91

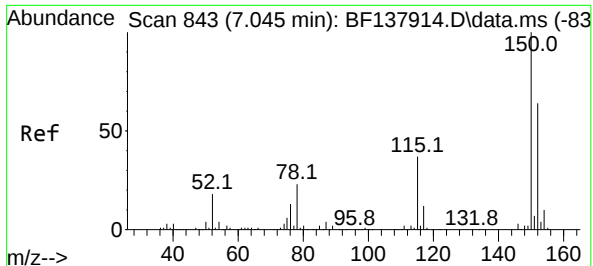
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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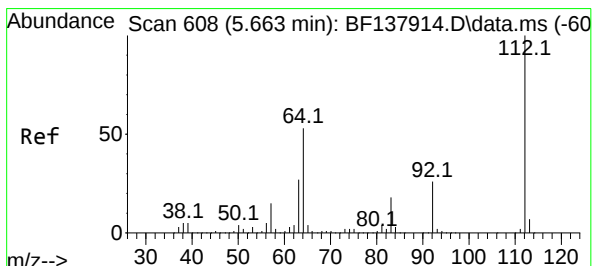
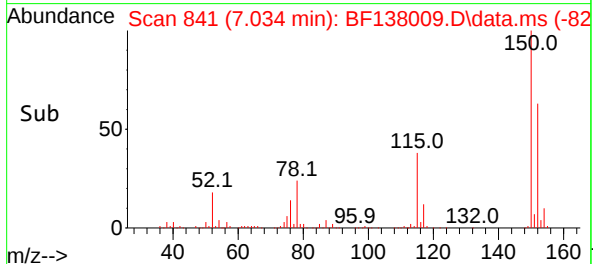
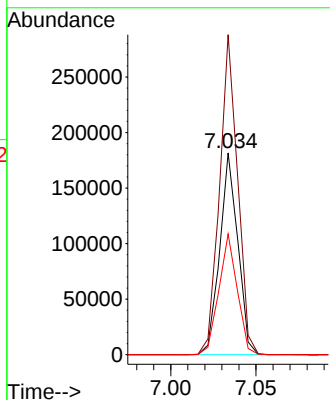
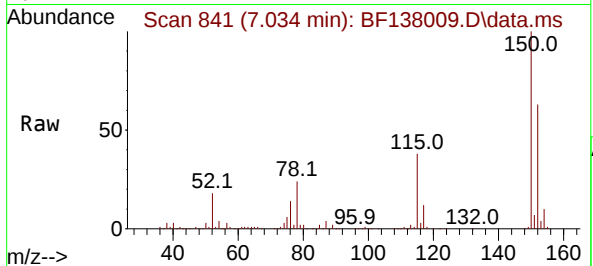




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

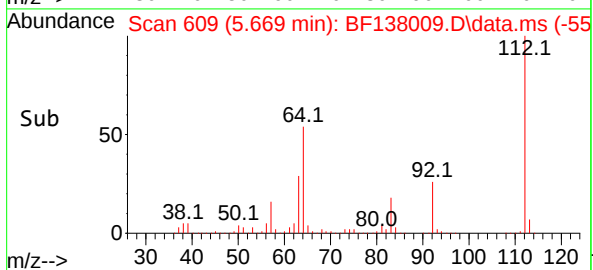
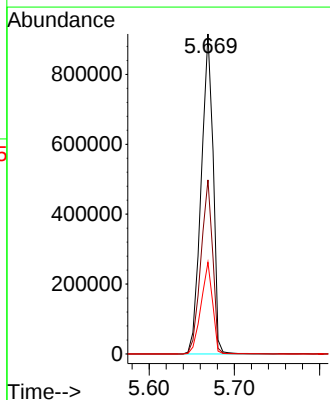
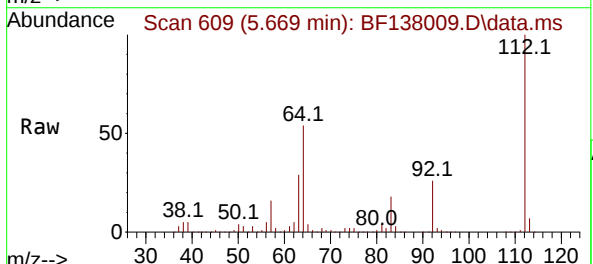
Instrument :
BNA_F
ClientSampleId :
MH-B

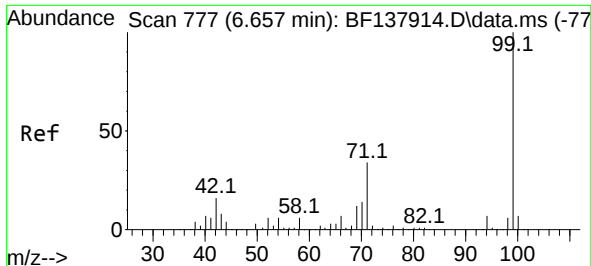
Tgt Ion:152 Resp: 134235
Ion Ratio Lower Upper
152 100
150 158.6 125.7 188.5
115 59.9 47.0 70.6



#5
2-Fluorophenol
Concen: 112.618 ng
RT: 5.669 min Scan# 609
Delta R.T. 0.006 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

Tgt Ion:112 Resp: 889964
Ion Ratio Lower Upper
112 100
64 54.4 42.4 63.6
63 28.7 21.4 32.2

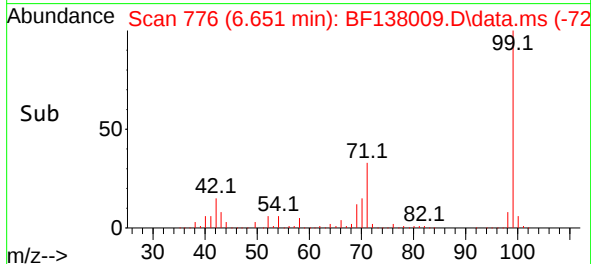
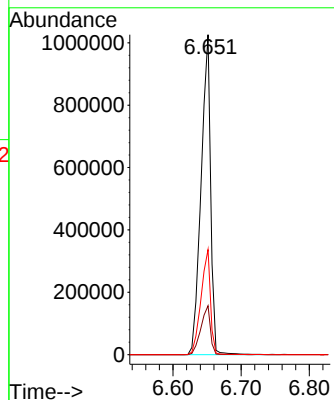
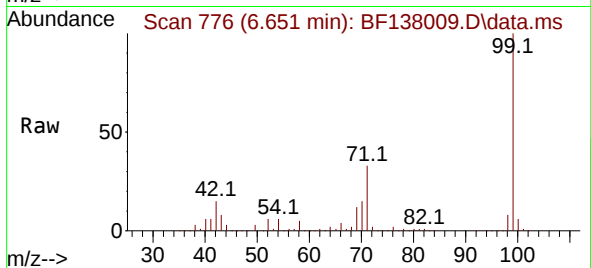




#7
Phenol-d6
Concen: 102.392 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

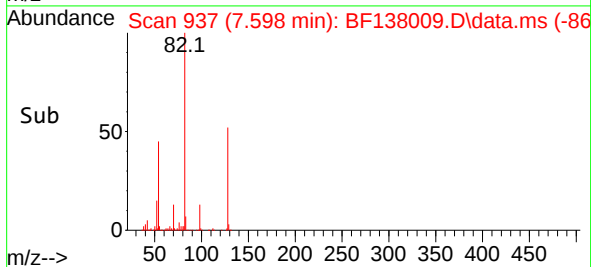
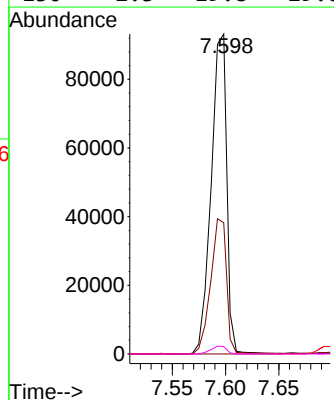
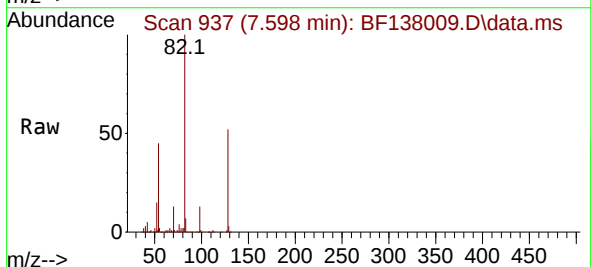
Instrument :
BNA_F
ClientSampleId :
MH-B

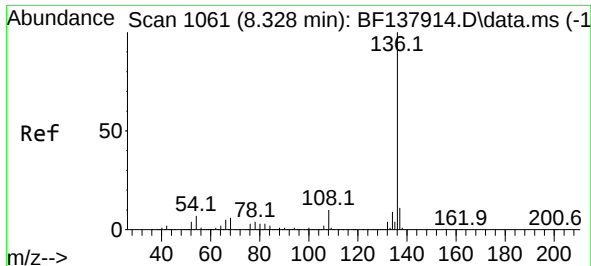
Tgt Ion: 99 Resp: 996746
Ion Ratio Lower Upper
99 100
42 15.3 12.6 18.8
71 32.9 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.341 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

Tgt Ion: 70 Resp: 94842
Ion Ratio Lower Upper
70 100
42 41.0 42.2 63.4#
101 0.0 8.8 13.2#
130 2.3 19.8 29.8#

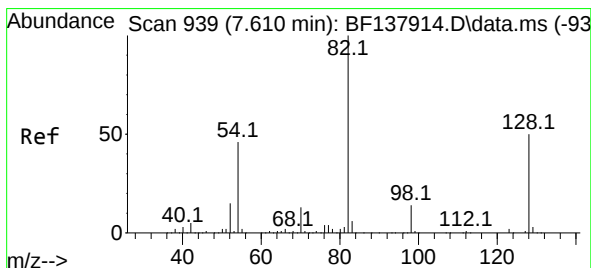
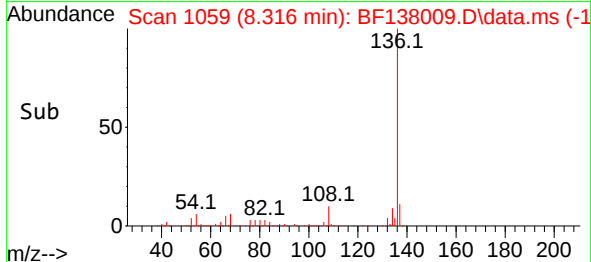
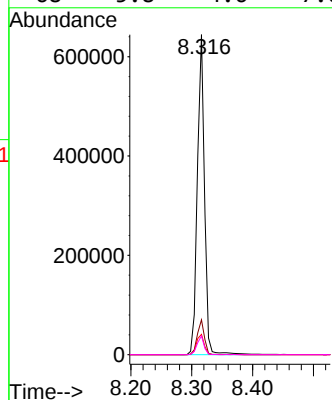
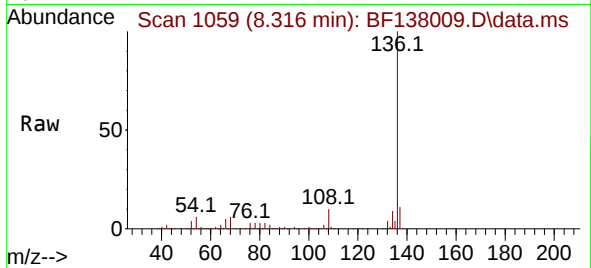




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

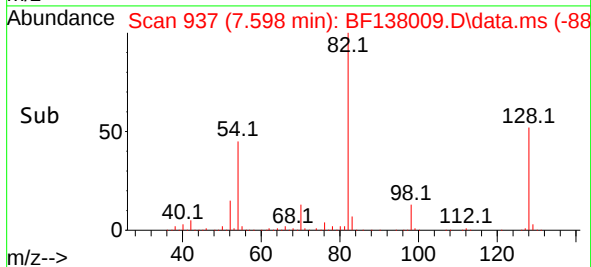
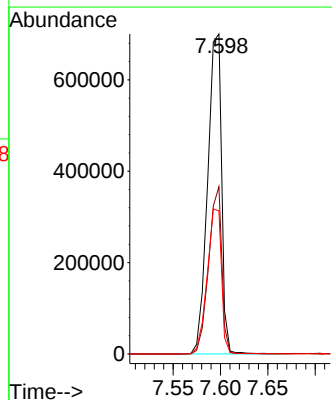
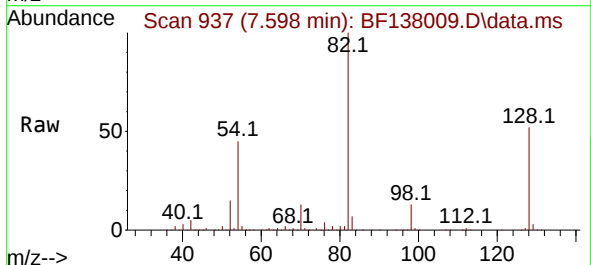
Instrument :
BNA_F
ClientSampleId :
MH-B

Tgt Ion:	136	Resp:	526018
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.3	5.4	8.2
68	5.8	4.6	7.0



#23
Nitrobenzene-d5
Concen: 80.440 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

Tgt Ion:	82	Resp:	718987
Ion	Ratio	Lower	Upper
82	100		
128	52.2	40.3	60.5
54	44.8	36.8	55.2

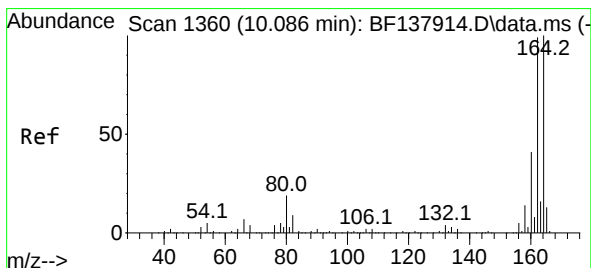
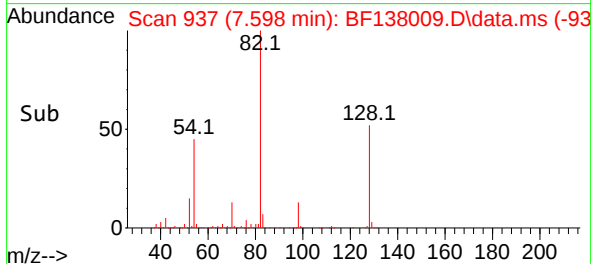
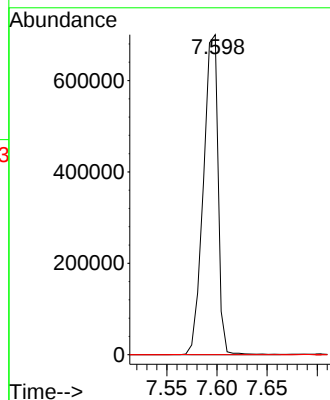
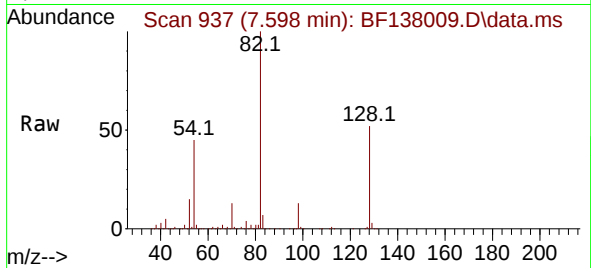




#25
Isophorone
Concen: 46.347 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

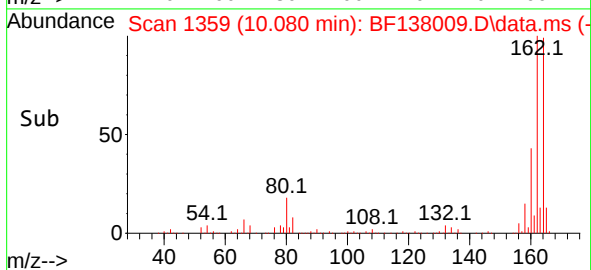
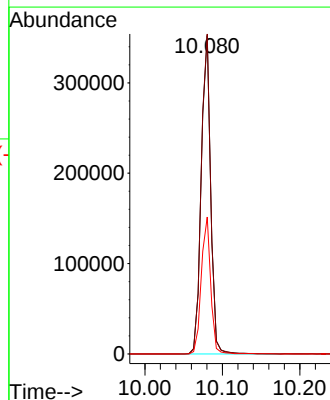
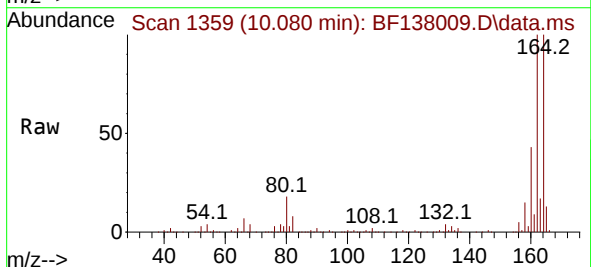
Instrument :
BNA_F
ClientSampleId :
MH-B

Tgt Ion: 82 Resp: 718981
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

Tgt Ion:164 Resp: 297403
Ion Ratio Lower Upper
164 100
162 100.5 79.4 119.2
160 43.0 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 132.852 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF138009.D

Acq: 22 May 2024 17:22

Instrument :

BNA_F

ClientSampleId :

MH-B

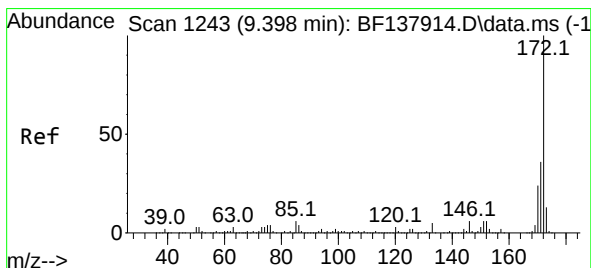
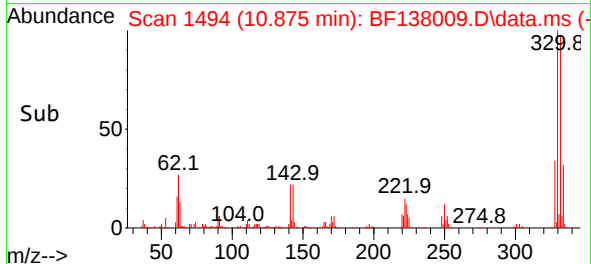
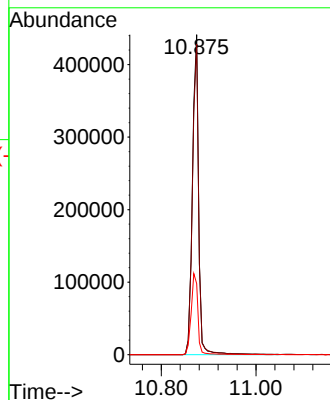
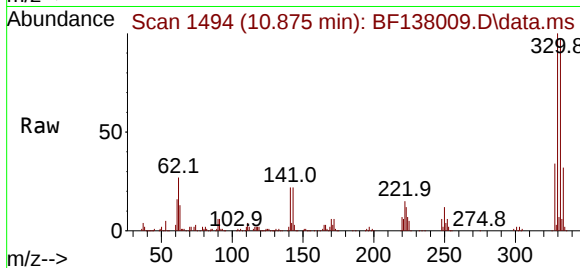
Tgt Ion:330 Resp: 398384

Ion Ratio Lower Upper

330 100

332 96.9 75.8 113.8

141 27.5 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 81.419 ng

RT: 9.392 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF138009.D

Acq: 22 May 2024 17:22

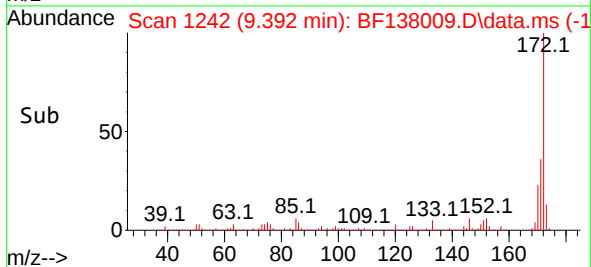
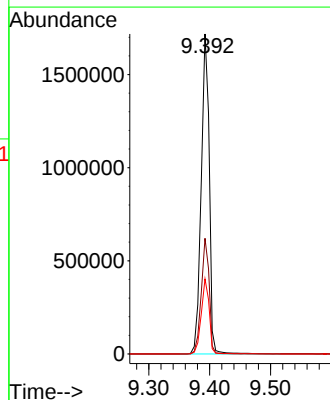
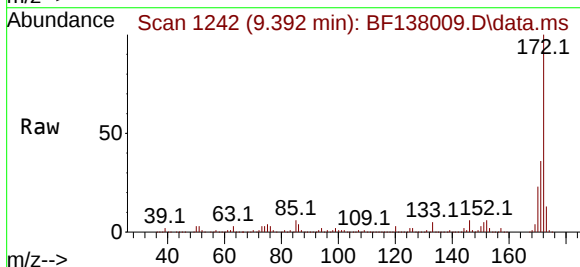
Tgt Ion:172 Resp: 1571959

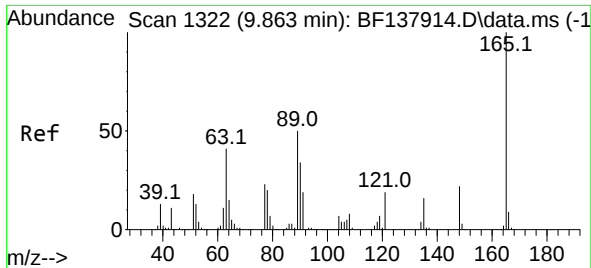
Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 23.5 18.9 28.3

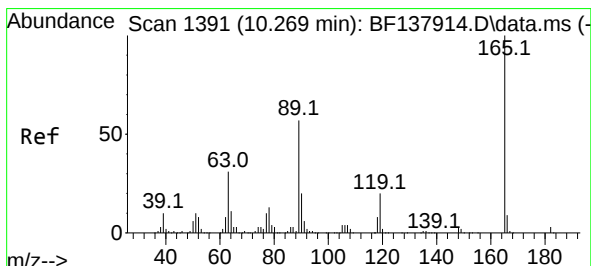
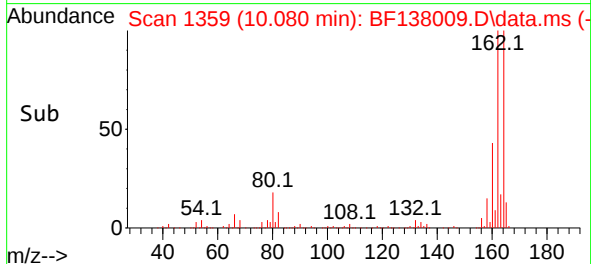
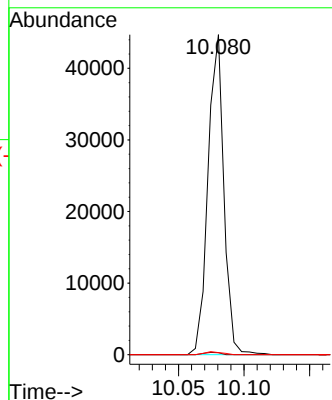
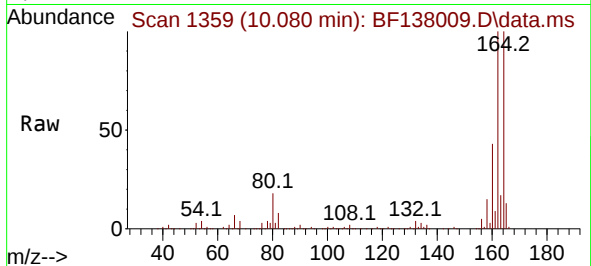




#51
2,6-Dinitrotoluene
Concen: 8.778 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

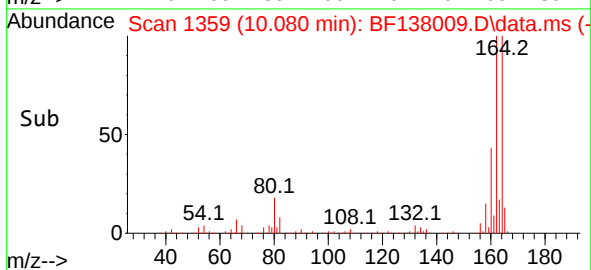
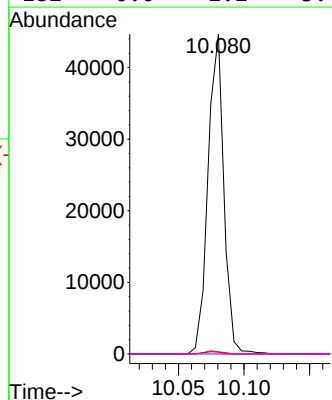
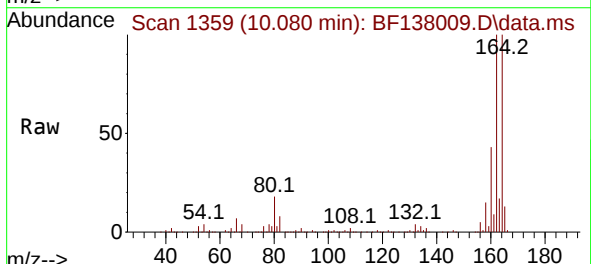
Instrument :
BNA_F
ClientSampleId :
MH-B

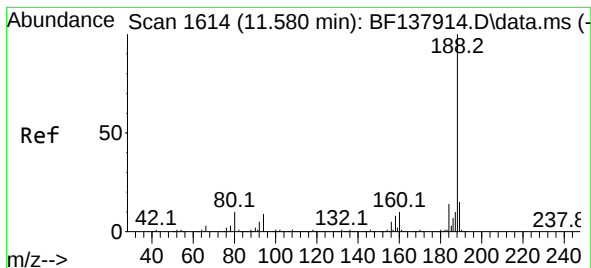
Tgt Ion:165 Resp: 37572
Ion Ratio Lower Upper
165 100
63 0.6 38.9 58.3#
89 0.6 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.790 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

Tgt Ion:165 Resp: 37572
Ion Ratio Lower Upper
165 100
63 0.6 25.3 37.9#
89 0.6 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138009.D

Acq: 22 May 2024 17:22

Instrument :

BNA_F

ClientSampleId :

MH-B

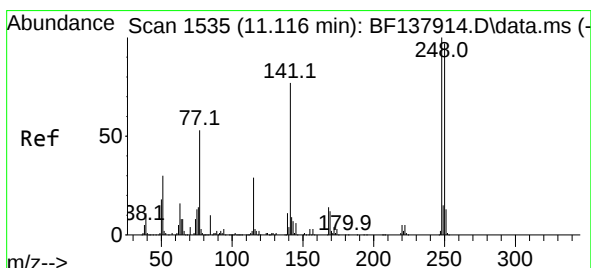
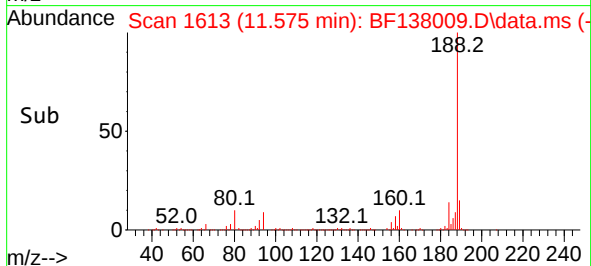
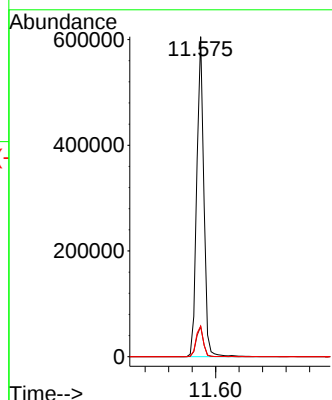
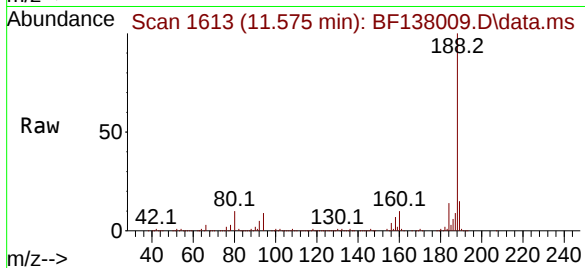
Tgt Ion:188 Resp: 501017

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.4

80 9.6 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.641 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF138009.D

Acq: 22 May 2024 17:22

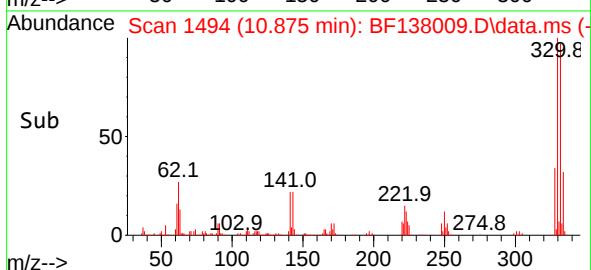
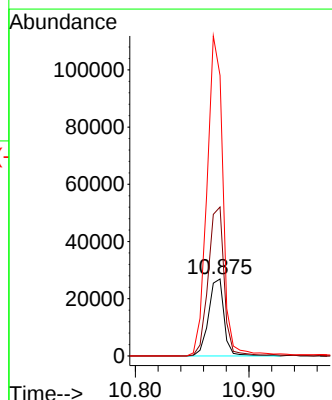
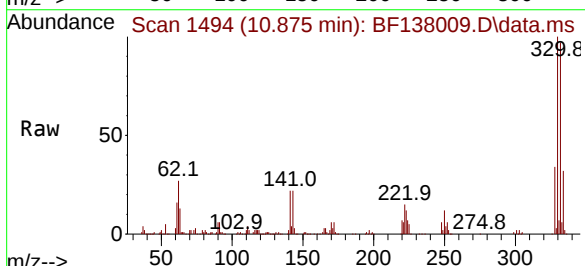
Tgt Ion:248 Resp: 25491

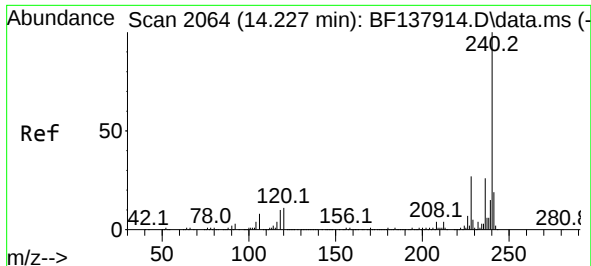
Ion Ratio Lower Upper

248 100

250 193.6 77.6 116.4#

141 364.5 61.4 92.2#

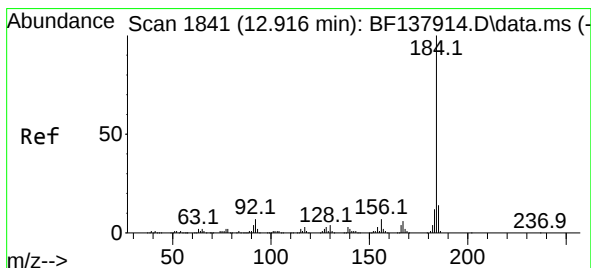
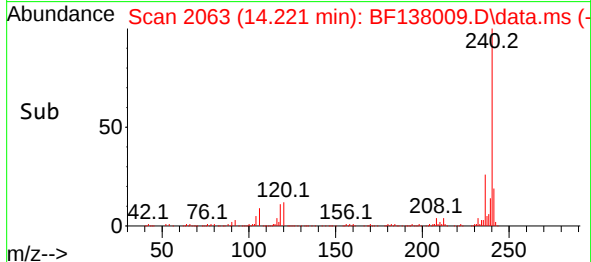
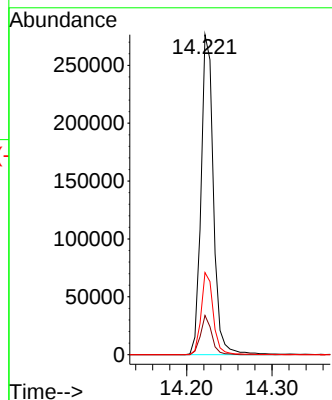
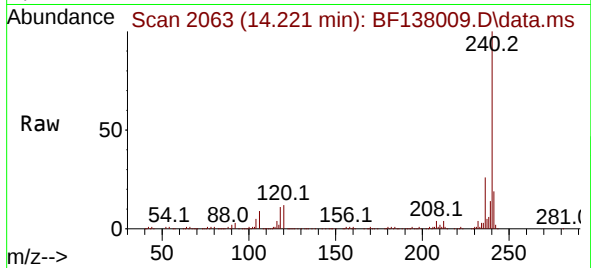




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

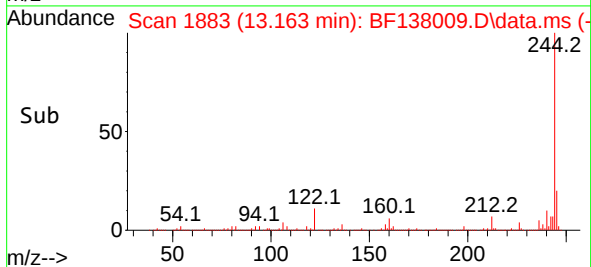
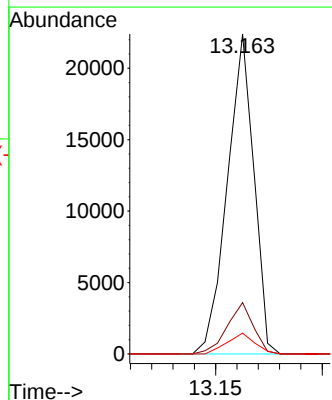
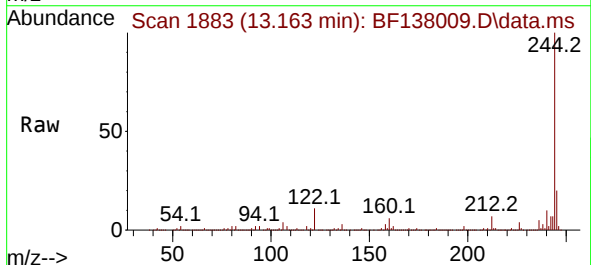
Instrument :
BNA_F
ClientSampleId :
MH-B

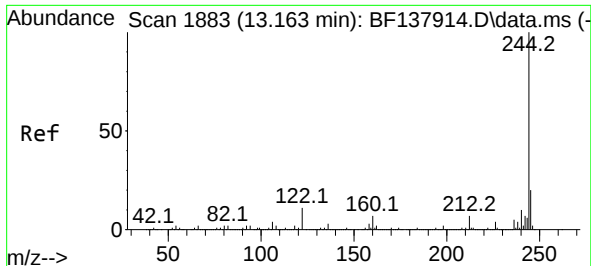
Tgt Ion:240 Resp: 279217
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.7 21.0 31.4



#77
Benzidine
Concen: 5.317 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF138009.D
Acq: 22 May 2024 17:22

Tgt Ion:184 Resp: 19401
Ion Ratio Lower Upper
184 100
185 16.0 11.4 17.2
183 6.5 9.5 14.3#

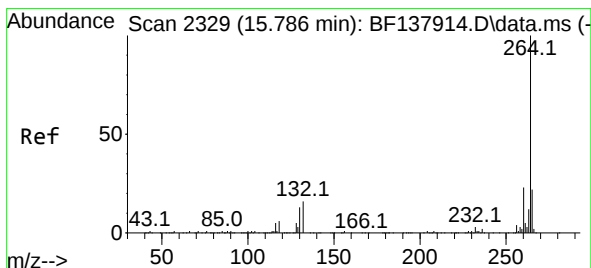
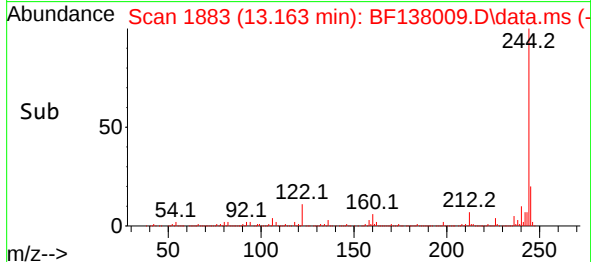
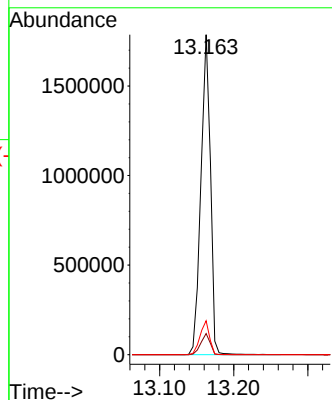
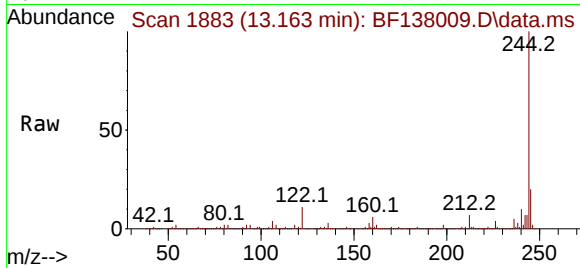




#79
 Terphenyl-d14
 Concen: 84.258 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF138009.D
 Acq: 22 May 2024 17:22

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Tgt Ion:244 Resp: 1596306
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.6 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.786 min Scan# 2329
 Delta R.T. 0.000 min
 Lab File: BF138009.D
 Acq: 22 May 2024 17:22

Tgt Ion:264 Resp: 254013
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.3 27.5
 265 21.3 17.6 26.4

